

# **Report for the Standardized Readmission Ratio NQF #2496**

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## Introduction

In 2013, the Centers for Medicare and Medicaid Services (CMS) rolled out a new approach to ensuring safe and adequate health care delivery to its patients: the CMS Quality Strategy (CMS, 2013). The CMS strategy is designed to align with the six goals of the Department of Health and Human Services' (HHS) National Quality Strategy. The CMS strategy is framed in the following way: "To improve, a broad-based and seamless reform approach is necessary to address challenges in our healthcare system—escalating costs, inadequate coverage and inefficient care of variable quality" (CMS, 2013).

Dialysis patients are a population particularly affected by such issues. Relative to the general population, they experience much higher levels of mortality (de Jager et al., 2009) and morbidity (e.g., hospital readmission; MedPAC, 2007). Both hospitalization and readmission rates reflect morbidity and quality of life of dialysis patients as well as medical costs. For example, in 2011 dialysis patients were admitted to the hospital twice on average and spent an average of 12 days in the hospital, accounting for approximately 38% of Medicare expenditures for ESRD patients (USRDS, 2013). Furthermore, 36% of hemodialysis patients discharged from the hospital had an unplanned readmission within 30 days (USRDS, 2013). In other settings (e.g., cardiovascular disease, cancer), some studies show that about 25% of unplanned readmissions are preventable, that preventability vary widely across diagnoses, and that readmissions were more likely to be preventable for patients with more severe conditions (van Walraven et al., 2011).

In the dialysis setting, care coordination strategies, including appropriate hand-off and timely pre- and post-discharge communication among care providers, have emerged as a potentially effective means to reduce unplanned readmission among the ESRD patients. A recent study in the ESRD population found that certain post-discharge assessments and changes in treatment at the dialysis facility may be associated with a reduced risk of readmission (Chan et al., 2009). A recent multi-unit qualitative study by Reilly et al. (2013) found that a lack of care coordination between in- and outpatient dialysis units post-discharge is associated with increased readmission rates. Other articles concerning the dialysis setting (e.g. Castner, 2011; Wish, 2014) discuss the importance of dialysis facility and physician communication with the discharging hospital in order to ensure appropriate coordination of care such as reconciliation of post-discharge medications and treatment orders.

Clinical studies in the non-ESRD populations have also demonstrated that improved care coordination and discharge planning can reduce readmission rates (e.g., Dunn et al., 1994; Bostrom et al., 1996; Dudas et al., 2001; Azevedo et al., 2002; Coleman et al., 2004; Coleman et al., 2006; Balaban et al., 2008; Braun et al., 2009) or a combination of pre- and post-discharge interventions (e.g., Naylor et al., 1994; McDonald et al., 2001; Creason, 2001; Ahmed et al., 2004; Anderson et al., 2005; Jack et al., 2009; Koehler et al., 2009; Parry et al., 2009). Readmission measures have been developed in various care settings, including hospitals and skilled nursing facilities.

With the U.S. healthcare system moving toward a paradigm of shared accountability across providers from different care settings, a readmission measure that is particularly applicable to ESRD patients will not only encourage improvement in transition of care across various settings, but will also serve as a strong motivation for facilities to coordinate treatment with the discharging hospital to reduce readmission rates. Such a measure should also encourage facilities to review readmission practices and identify potential problems. Moreover, measures of the frequency of unplanned readmissions are essential for controlling escalating medical costs in that they can help facilities identify problems and potentially improve care and reduce costs.

In 2011, CMS added a measure of 30-day readmission to the Dialysis Facility Reports (DFRs), which have been used by dialysis facilities and ESRD Networks for quality improvement, and by ESRD state surveyors for monitoring and surveillance of dialysis facilities. During 2011 – 2015, CMS developed a standardized, risk-adjusted measure of 30-day readmission called the Standardized Readmission Ratio (SRR). It was first publicly reported on the April 2015 refresh of the Dialysis Facility Compare (DFC) website, then was endorsed by NQF during the summer of 2015. In October 2015, CMS replaced the unadjusted readmission measure with the SRR on the FY2016 DFR.

## Methods

### Overview

The SRR is a measure of 30-day unplanned hospital readmission for dialysis patients discharged from any acute care hospital in the U.S. (He et al., 2013). The event of interest is an unplanned readmission within 4–30 days following an initiating hospitalization, termed an *index hospital discharge*, identified through the Medicare administrative data. To properly adjust for patient characteristics that may make unplanned readmission more likely, we used Medicare administrative data to characterize each patient’s comorbidity history, which we derived from inpatient, outpatient institutional, home health, hospice and skilled nursing facility claims.

The SRR reflects the number of readmission events for the patients at a facility, relative to the number of readmission events that would be expected based on overall national rates and the characteristics of the patients at that facility as well as the number of discharges. Specifically, the SRR is calculated as the ratio of two numbers; the numerator (“observed”) is the actual number of readmission events over a specified time period, and the denominator (“expected”) is the number of readmission events that would be expected if patients at that facility experienced readmission events at the national median rate for patients with similar characteristics. Where it was considered appropriate, the SRR was developed to be consistent with the (NQF# 1789) Hospital-Wide Readmission Measure (HWR) for hospitals, and incorporates a number of similar elements, including planned readmissions exclusions (YNHHSC/CORE, 2013) as well as similar denominator exclusion criteria. Taken in concert, the SRR and HWR are intended to bring excess readmissions to the attention of both the dialysis facility and the hospital of discharge.

As the denominator of the SRR estimates the expected number of readmissions given the observed number of discharges, the SRR may suggest a very high rate of readmissions even though the facility in question has a relatively low overall hospitalization rate. To avoid this situation, it has been suggested that the SRR should take as a reference the set of all patients in the facility rather than the set of hospital discharges. The Standardized Hospitalization Ratio (SHR) is an overall measure of hospital usage by patients at a dialysis facility and evaluates the overall rate of hospitalizations taking account of the number and characteristics of patients in the facility. Consideration of the SHR and the SRR together may prove useful in this respect. They measure two distinct aspects of the hospital usage by patients at a dialysis facility. As indicated, the SHR measures the effectiveness of care for chronically ill patients who frequently have multiple comorbidities, whereas the SRR focuses on communication and care coordination as patients return from acute hospitalization. A facility with a low SHR and high SRR is one where the overall frequency of hospitalization is relatively low, but where there may still be advantage in reviewing the processes associated with hospital discharge and readmission.

## Measure Development

In April 2012, a CMS Technical Expert Panel (TEP) reviewed a preliminary version of the measure and suggested refinements. In response to suggestions, several changes were made to the SRR, which then was released for public comment in April 2013. However, some TEP members expressed concern about the measure, mainly regarding the lack of adjustment for physician(s) associated with the discharge and the readmission, and a related concern regarding facilities' not having full control over the implementation of changes that would address readmissions. CMS' position on both issues is detailed in the Risk Adjustment section of this document. Another concern raised during the TEP meeting was the use of index discharges, instead of patients, as defining the denominator. This is commented on briefly in the previous paragraph.

In July 2015, the National Quality Forum (NQF) endorsed this measure conditional on the removal of index discharges that resulted in a readmission within three days. This change will be implemented in the SRR reported in the October 2016 release of Dialysis Facility Compare. The analyses presented in this report were revised in September 2016 to incorporate this exclusion.

## Data Sources

Data are derived from an extensive national ESRD patient database, which is primarily based on the CMS Consolidated Renal Operations in a Web-enabled Network (CROWN) system. The CROWN data include the Renal Management Information System (REMIS), CROWNWeb facility-reported clinical and administrative data (including CMS-2728 Medical Evidence Form, CMS-2746 Death Notification Form, and CMS-2744 Annual Facility Survey Form data), the historical Standard Information Management System (SIMS) database (formerly maintained by the 18 ESRD Networks until replaced by CROWNWeb in May 2012), Medicare dialysis and hospital payment records, transplant data from the Organ Procurement and Transplant Network (OPTN), the Dialysis Facility Compare (DFC) and the Social Security Death Master File. The database is comprehensive for Medicare patients.

CROWNWeb provides patient tracking by dialysis provider and treatment modality for non-Medicare patients. During time periods in which CROWNWeb does not have information for a dialysis patient, outpatient claims data (NCH claim type 40) are used to supplement tracking. Although claims data are used for a small percentage of dialysis patient treatment history, their use sometimes results in a patient being assigned to a non-dialysis facility (e.g., an outpatient hospital submitting an outpatient claim) for these non-CROWNWeb time periods. Eligible index discharges for any patient assigned to a non-dialysis facility at the time of hospital discharge are included in the model; however, because the SRR measure is limited to dialysis facilities on the quarterly DFC list, these hospitalizations are neither publicly reported nor distributed to non-dialysis facilities.

Information on index discharges and readmissions is obtained from Part A Medicare Inpatient Claims Standard Analysis Files (SAFs). Information on each patient's comorbidity status during the 365 days preceding the index discharge is obtained from multiple Part A types (inpatient, home health, hospice, skilled nursing facility claims) and Part B outpatient types of Medicare Claims SAFs.

## Outcome Definition

The event is defined to be an unplanned readmission to an acute care hospital for any cause within 4–30 days of the discharge date for the index hospitalization.

## Cohort Definition and Inclusion/Exclusion

Index discharges are restricted to Medicare-covered hospitalizations for inpatient care at short-term acute care hospitals and critical access hospitals. Discharges from skilled nursing facilities (SNFs), long-term care hospitals (LTCHs), rehabilitation hospitals and PPS-exempt cancer hospitals—as well as those from separate dedicated units for hospice, rehabilitation and psychiatric care—are excluded. To be counted as an index discharge, the patient must be receiving dialysis treatment for ESRD at the time of discharge.

In addition, index discharges exclude hospitalizations:

- for patients who died during the hospitalization (because there was no opportunity for readmission);
- for patients who were discharged against medical advice (AMA);
- that are followed in 30 days by the patient's death (and no readmission);
- that ended in a transfer to another acute care facility (for patients who are transferred between one acute care hospital and another, the measure considers these multiple contiguous hospitalizations as a single acute episode of care, and readmission for transferred patients is attributed to the hospital that ultimately discharges the patient to a non-acute care setting);
- that took place at Prospective Payment System (PPS)-exempt cancer hospitals;
- that occur after a patient's 12<sup>th</sup> hospital admission in the time period;
- with a primary diagnosis of medical treatment of cancer (CCS: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45), certain psychiatric conditions (CCS: 650, 651, 652, 654, 655, 656, 657, 658, 659, 662, 670) or rehabilitation for prosthesis (CCS 254); and
- that result in a readmission (unplanned) within 3 days of discharge.

Index discharges are attributed to the dialysis provider to which the patient is discharged at the end of the hospital stay. In other words, the facility to which the patient is discharged is held responsible for any unplanned readmissions occurring within 4–30 days of the index discharge, regardless of whether the patient is still being treated at the facility associated with the index discharge at the time of readmission.

Please refer to the SRR Flowchart in the appendix for a visual overview of how index discharges are included in the model.

## Capping Readmissions

Facility size is a major factor in the decision to restrict “frequent flyers” from the measure. During the TEP's review of the measure, members were concerned that, especially for small facilities, allowing a patient at high risk of readmission (e.g., an HIV-positive patient) to contribute without limit to the denominator and numerator could unfairly skew that facility's measure. In response to this concern, we removed hospitalizations following an individual patient's 12<sup>th</sup> discharge in the time period. Sensitivity analyses excluding this cap (representing 0.8% of 2012 hospital discharges) led to only small changes in the flagging rate for smaller facilities.

## Early Readmissions

One concern raised throughout the NQF review of this measure is the appropriateness of attributing readmissions to a dialysis facility within 0-3 days post hospital discharge. It was noted by the community that it is likely that these readmissions would occur during a period where the dialysis facility may not

have had an opportunity to see the patient. Further, stakeholders were concerned that the dialysis facilities do not systematically receive data about their patients from the hospital when they are readmitted, and potentially limiting quality improvement efforts.

As part of the NQF endorsement process, CMS agreed that a phased approach could be undertaken to include these patients in the measure. CMS has initially excluded patients who are readmitted within 0-3 days, but is working with the renal community to monitor the care experience for this population, with the intent of including them in the measure in the future. The endorsed measure (NQF #2496) reported on DFC and in the ESRD QIP incorporates this exclusion.

## Risk Adjustment

### Adjustment in SRR

We adapted the risk adjustment approach used in the model for CMS' Standardized Hospitalization Ratio (SHR) in the calculation of the SRR. The regression model used to compute a facility's "expected" number of readmissions for the SRR measure contains many factors thought to be associated with readmission event rates. Specifically, the model adjusts for age, sex, diabetes, duration of end-stage renal disease (ESRD), body mass index (BMI) at start of dialysis, past-year comorbidities, length of the index hospital stay, and the presence of a high-risk diagnosis at index discharge. In addition, the model adjusts for the effect of the discharging hospital (via random effects).

CMS decided to adjust for hospital since the dialysis facilities have relatively little control over hospitals, and this adjustment helps avoid the possibility of dialysis providers' selective acceptance of patients based on the referring hospital at discharge. There is also a natural association between a unique hospital and a dialysis facility at the time of discharge. The adjustment using random effects avoids technical issues arising when a dialysis facility is associated with a unique hospital, and also retains an incentive for the dialysis facility to seek coordination of care with the hospital with the aim of reducing readmission rates.

Among the dialysis patient population, the total variance in readmission rates attributable to the dialysis facility is comparable to the variance attributable to the hospital, which suggests a strong shared accountability between dialysis facility and the discharging hospital (Turenne et al., 2012; He et al., 2013). The inclusion of hospitals as random effects in the SRR model is consistent with the HWR measure for hospitals, but here the purpose is to adjust the measure for facilities, taking into account the overall distribution of hospital effects, and not to identify individual extreme outcomes for hospitals. By including an adjustment for discharging hospital, we aim to determine the true effect of a facility, despite the quality of the hospital from which it receives patients. Adding this adjustment to the model has a relatively small effect on the distribution of SRRs. The inclusion of the random effect for hospital does not greatly alter the overall categorization of facilities as worse than expected, as expected or better than expected, although it does affect the categorization of some facilities.

Below are details on the SRR's risk adjusters:

- **Sex:** We determine each patient's sex from his/her CMS Form 2728. Sex is never missing for patients in the ESRD database.
- **Age:** We determine each patient's age from the birth date provided in the SIMS and REMIS databases. Date of birth is never missing for patients in the ESRD database.

- **Years on ESRD:** We determine each patient’s length of time on dialysis using the first service date from his/her CMS 2728, claims history (all claim types), the SIMS database and the SRTR database. First service date is never missing for patients in the ESRD database.
- **Diabetes as cause of ESRD:** We determine each patient’s primary cause of ESRD from his/her CMS 2728. When cause of ESRD is missing, we assume diabetes is not the cause of ESRD.
- **BMI at incidence:** We calculate each patient’s BMI based on the height and weight provided on his/her CMS 2728. When height and/or weight are missing, we impute a BMI for the patient based on the average BMI of all patients—specific to sex, race, diabetic status and age at ESRD incidence—with at least one eligible index discharge in the calendar year.
- **Days hospitalized during index hospitalization:** Each hospitalization’s length is determined by taking the difference between the date of admission and the date of discharge available on the inpatient claim. For patients who are transferred between one acute care hospital and another, the measure considers these multiple contiguous hospitalizations as a single acute episode of care, and the length is calculated by taking the difference between the date of admission for the first hospitalization and the date of discharge from the last hospitalization included.
- **Past-year comorbidities (risk variables):** We identify all unique ICD diagnosis codes for each patient reported on Medicare claims in the 365 days preceding (and inclusive of) the index discharge date. We examine five available claim types for codes: inpatient, outpatient, skilled nursing facility [SNF], hospice and home health claims. We group these diagnosis codes by diagnosis area using CMS’ Condition Categories (CCs; see [https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/downloads/evaluation\\_risk\\_adj\\_model\\_2011.pdf](https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/downloads/evaluation_risk_adj_model_2011.pdf)). The HWR measure has determined that a subset of these diagnosis areas is appropriate to use in accounting for case mix; the Appendix lists the CCs included in these areas.
- **Discharged with high-risk condition:** We define a *high-risk* diagnosis as any diagnosis area (grouped by the AHRQ Clinical Classification Software (CCS)) that was rare in our population but had a 30-day readmission rate of at least 40%. Note that high-risk diagnosis groups related to cancer or mental health are not index discharges, and so such diagnoses are not included. The CCS areas identified as high-risk are:
  - CCS 5: HIV infection
  - CCS 6: Hepatitis
  - CCS 56: Cystic fibrosis
  - CCS 57: Immunity disorders
  - CCS 61: Sickle cell anemia
  - CCS 190: Fetal distress and abnormal forces of labor
  - CCS 151: Other liver diseases
  - CCS 182: Hemorrhage during pregnancy; abruptio placenta; placenta previa
  - CCS 186: Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium
  - CCS 210: Systemic lupus erythematosus and connective tissue disorders
  - CCS 243: Poisoning by nonmedicinal substances

In summary, the SRR indicates whether a facility experienced higher or lower readmission rates than the national average after accounting for differences that could be attributed to the patient characteristics listed above, as well as the discharging hospital. It should also be noted that the process of identifying



comorbidities using ICD codes over the past year could introduce some biases in that comorbidities will be more frequently found among patients who are more frequently hospitalized or are using the health system in other ways.

### Adjustor Selection

We developed the model to align with CMS’s existing measures of hospitalization currently used for public reporting: the National Quality Forum (NQF)-endorsed Hospital-Wide Readmission (HWR) measure, NQF# 1789, (YNHHSC/CORE, 2013)—and of hospitalization amongst dialysis patients—the NQF-endorsed SHR, NQF# 1463 (Liu, Schaubel and Kalbfleisch, 2012). The first iteration of the SRR included the following adjustors:

- To align with the HWR measure:
  - at index discharge, patient age
  - at index discharge, comorbidity status—that is, 36 separate indicators for a select set of comorbidities in the year leading up to the index discharge
- To align with the SHR measure:
  - patient sex and age
  - hypertension as the primary cause of ESRD
  - diabetes mellitus as the primary cause of ESRD
  - at incidence of ESRD, comorbidity status
  - at incidence of ESRD, BMI
  - at index discharge, time on dialysis

In addition to the patient- and discharge-level adjustors used in the SHR and HWR measures, we include two variables as adjustors in the SRR model that are not included in either the SHR or HWR measure:

1. An indicator for whether a patient was discharged with a “high-risk” diagnosis using the AHRQ CCS grouping described above. Inclusion of this variable recognizes the very high readmission rates associated with these diagnoses.
2. The length of stay for the index discharge. We selected this adjustor initially because it has face validity from the clinical perspective and is supported in the literature (e.g., Chan et al., 2009 found a negative relationship between length of stay and hemoglobin levels, albumin levels and weight among hemodialysis patients).

### *Nephrologist/Physician*

The SRR does not include an adjustment for a patient’s physician, although there has interest voiced by the dialysis community and the Technical Expert Panel that developed the measures in such an adjustment. The rationale motivating this request is the view that the decision to admit a patient is a physician decision, and not directly under the control of the dialysis facility.

It is a CMS policy decision not to adjust for physician in the model for the following reasons. First, implementation and harmonization of such adjustment would affect many CMS measures and would raise many questions as to which physicians should be adjusted for. Second, the facilities have a legal obligation to oversee the quality of care provided by the interdisciplinary team, including physicians working in the dialysis unit.

Measuring readmissions at the dialysis facility level encourages facility management to seek opportunities for coordination of care among hospitals, patients, nephrologists and other dialysis facility staff. The measure provides a direct indication of how the dialysis facility’s outcomes fare in comparison

to the national norm, taking account of important patient characteristics and the discharging hospital. Dialysis facilities have an explicit responsibility defined in current regulations to oversee the provision of care by an interdisciplinary team (IDT), which includes the nephrologist treating the patient. Oversight of individual staff nephrologist care, ensuring adherence to dialysis facility policies and Medicare regulations is primarily the responsibility of the site Medical Director, a paid employee of the dialysis facility, and, additionally, the responsibility of the dialysis facility governing body (Conditions for Coverage [CfCs] 494.150 and 494.180; CMS 2008). The IDT is responsible for assessing dialysis patients in a timely manner and developing a plan of care specific to that patient, per Medicare regulation. (CfCs 494.80 and 494.90; CMS 2008) The assessment and plan of care developed by this team includes aspects of dialysis care that are frequently the cause of hospital admission and, plausibly, readmission, including fluid management, dialysis vascular access management, anemia management, dialysis prescription.

The overall effectiveness of patient care provided by the IDT(s) at any given facility is monitored by the Quality Assurance and Performance Improvement Committee, specified by the current CMS regulations at 494.110 (CMS 2008). The scope of this oversight includes the performance of all professional members of the facility's IDT(s), and Interpretive Guidance for this regulation specifies that the QAPI Committee be chaired by the facility's medical director. Failure of the dialysis facility's IDT to evaluate the medical results of hospitalization and to revise the patient's plan of care in a timely manner is entirely the responsibility of the facility. If the ability of the IDT is hampered by poorly trained staff, systemic problems with the facility operations or lack of nephrologist engagement, the failure remains the responsibility of the facility, through the authority of the facility's governing body and medical director. Whether facilities choose to act on this responsibility is a matter of policy, and therefore properly belongs within the purview of quality assessment for the facility. Risk adjusting for physician would place CMS in the position of suggesting that a dialysis facility is not responsible for health consequences experienced by patients as the result of business or policy decisions by the facility administration.

### *Evaluation of Patient-level and Area-level Sociodemographic (SDS) and Socioeconomic (SES) factors and hospitalization*

The SDS/SES adjusters included in the SRR are limited to patient age and sex only. Using hierarchical binary logistic regression we fit three additional models for readmissions to 2014 hospitalization data (Medicare claims), to evaluate additional patient and area-level SDS and SES factors (race, ethnicity; insurance status, employment status, and area-level deprivation indicators) and assess their impacts on readmissions. A summary of the results based on the full model, with both patient and area level factors included, is described below.

**Patient-level SDS:** Hispanics were less likely to be readmitted to the hospital (Beta= -0.0659; p=0.001) than non-Hispanics. Compared with white patients, Asian/Pacific Islander (Beta= -0.0832, p<0.001), Native American (Beta= -0.0737, p<0.001) and black (Beta= -0.005, p<0.001) patients were less likely to be readmitted to the hospital.

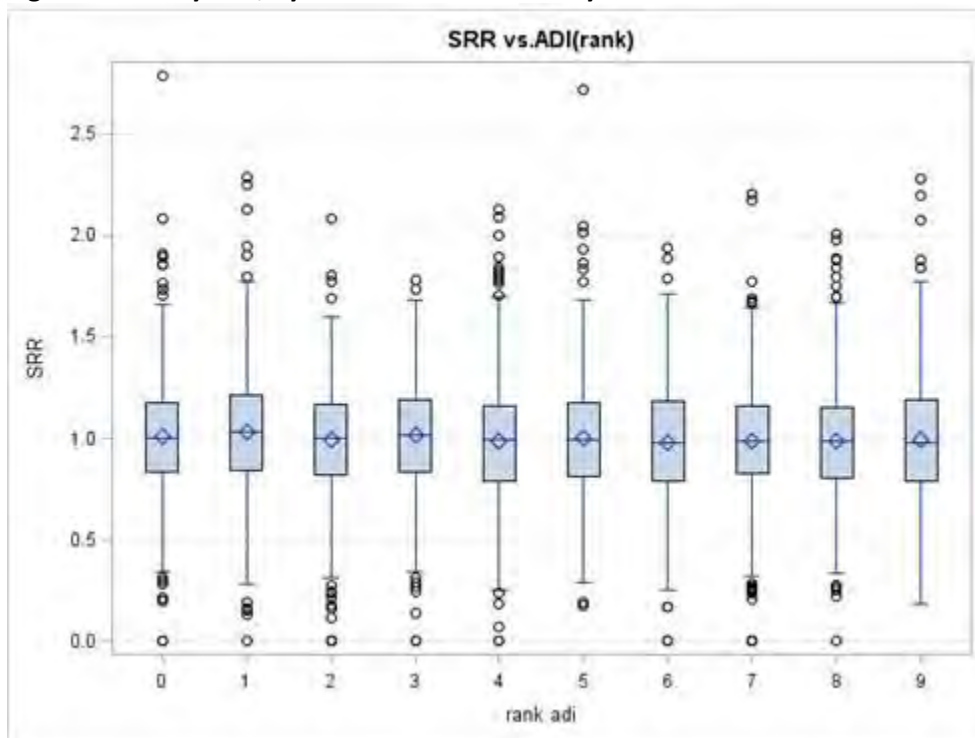
**Patient-level SES:** Compared with Medicare-primary patients, patients with both Medicare and Medicaid (dually eligible patients) (Beta = 0.0303; p<0.001) were more likely to be readmitted to the hospital; patients with Medicare as secondary/Medicare HMO (Beta = 0.0006, p=0.4375) were not significantly different on readmission. The result for dually eligible patients being more likely to be readmitted is consistent with the observation that patients in this insurance category, on average, represent a higher at-risk group. Further examination is needed to understand the higher likelihood of readmission for patients with Medicare as secondary payer or HMO. It is possible that these patients

represent a larger portion of incident ESRD patients, which have a known higher risk of complications in the first year of ESRD. Patients who were unemployed prior to ESRD incidence were less likely to be readmitted to the hospital (Beta = -0.0596;  $p < 0.0001$ ) than employed patients.

**Area-level SES:** We applied the publicly available Area Deprivation Index (ADI) developed by Singh and colleagues. The ADI reflects a full set of SES characteristics, including measures of income, education, and employment status, measured at the ZIP code level. Singh (2003) has applied the index in a variety of contexts, including analysis of county-level mortality rates. Singh found area differences in mortality associated with low area level deprivation. Over their period studied, mortality differences widened because of slower mortality reductions in more deprived areas. More recently, the ADI has been applied to the calculation of risk-adjusted rates of hospital readmission (Kind et al 2014).

The coefficient for ADI in the full model was very small, and not significant (0.0003,  $p = 0.9387$ ). Additionally, we find that there are many facilities serving disadvantaged populations that are able to achieve SRR levels in the range of SRRs achieved by facilities serving patients in higher SES areas (see Figure 1 below).

**Figure 1. Facility SRR, by decile of median facility ADI**



**Conclusions:** Several patient-level SDS/SES factors are significantly predictive of readmissions (being unemployed, being dually eligible for Medicare and Medicaid; patient race, and Hispanic ethnicity). Perhaps unsurprisingly, the ZIP-code level ADI is not predictive of readmissions, given its less direct relationship with patients' socioeconomic status. Finally, after including all these SDS/SES covariates, the resulting SRRs remain highly correlated. The SRRs based on the original SRR model are highly correlated with the SRR model that included all the additional SDS/SES covariates (correlation coefficient  $> 0.99$  for

all models). Additionally, outlier facilities are flagged at a nearly identical rate between the original and sensitivity models with all the additional patient and area-level SDS/SES covariates (kappa statistic > 0.96 for all models). These results show that facility profiling changes very little with the addition of these selected patient- or area-level SDS/SES factors.

**Table 1. Facility performance on 2014 SRR, with and without adjusting for all selected SES/SDS factors\* (weighted kappa = 0.96)**

| Original SRR         | With all factors     |                     |                     | Total               |
|----------------------|----------------------|---------------------|---------------------|---------------------|
|                      | Better than Expected | As Expected         | Worse than Expected |                     |
| Better than Expected | 108                  | 7                   | 0                   | <b>115 (1.9%)</b>   |
| As Expected          | 7                    | 5798                | 14                  | <b>5819 (95.5%)</b> |
| Worse than Expected  | 0                    | 20                  | 137                 | <b>157 (2.6%)</b>   |
| <b>Total</b>         | <b>115 (1.9%)</b>    | <b>5825 (95.6%)</b> | <b>151 (2.5%)</b>   | —                   |

\*Patient factors are Medicare coverage at index discharge, employment status 6 months prior to ESRD onset, race and ethnicity.

These empirical results demonstrate very minimal differences. Additionally, these results, coupled with a concern that adjustment for SES could justify differing levels of care quality for these higher risk subpopulations and thereby reduce patients' access to high quality care, indicate it would not be appropriate to adjust SRR with these additional SDS/SES factors.

## Readmission Model and SRR Calculation

### Overview

The expected number of readmissions in the denominator of the SRR is calculated based on a statistical model for the probability that a given hospital discharge will give rise to an unplanned readmission within the next 4–30 days. This model is technically termed a hierarchical logistic model and takes into account the patient characteristics or covariates discussed above. In addition, our model includes a random effect term for hospital of discharge and so makes an adjustment in patient outcomes for the potential effect of the care received at the hospital. This adjustment acknowledges the fact that there is a shared responsibility between the dialysis facility and the discharging hospital for patient care. At the same time, the model retains an incentive for facilities and hospitals to coordinate care in order improve outcomes with respect to readmissions. Facility effects are also estimated in the model, and the number of readmissions in each facility is compared to the number that would be expected at an 'average' facility (actually the median facility) given the patient characteristics. There are a number of technical details associated with this computation that are not dealt with in this summary. The interested reader is referred to He et al. (2013).

In general, we aim to adjust for patient characteristics that affect the endpoint of interest. These include such factors as age, BMI and comorbidities as measured at the time origin or baseline. For SRR, the relevant time origin is the index discharge, and so we adjust for most of the patient's characteristics around the time of that discharge.

In assessing the effects of patient covariates or characteristics, we estimate the within facility differences in outcomes that can be attributed to that covariate. To do this, we estimate the regression coefficients for the covariate while adjusting for potential facility effects through inclusion of facilities in the model as fixed effects. It is important in estimating covariate effects to take this approach since otherwise there is a potential confounding between the effects of facilities and patient characteristics.

For example, suppose that older patients are associated with poorer outcomes and that older patients tended to attend facilities that provided better care and that, as a result, tended to have better outcomes. If the effect of the covariates were estimated without adjusting for facilities, either by ignoring possible facility effects or including facilities as random effects, the age effect would be incorrectly estimated. In effect, we would underestimate the negative effect of older age on the outcome.

From a technical perspective, fixed effects provide more precise estimation of the true effects for those facilities with extreme outcomes, as opposed to random effects, which result in shrinkage estimators (where the estimate for each facility is shifted toward the overall mean). The shrinkage becomes substantial for smaller facilities, making identification of poor performance in smaller facilities even more difficult. Issues associated with this choice are described in some detail in Kalbfleisch and Wolfe (2013) and He et al. (2013).

In what follows we give a brief overview of the approach taken in a more technical framework for any reader who would like to have a more specific summary of the approach. The section can, however, be omitted by the reader who is not interested in such detail.

### Calculation of SRR

The equations used in the measure calculation are as follows:

1. The main model, which produces the estimates used to calculate SRR, takes the form:

$$\log \frac{p_{ijk}}{1 - p_{ijk}} = \gamma_i + \alpha_j + \beta^T Z_{ijk}, \quad (1)$$

Where  $p_{ijk}$  represents the probability of an unplanned readmission for the  $k^{\text{th}}$  discharge among patients from the  $i^{\text{th}}$  facility who are discharged from  $j^{\text{th}}$  hospital, and  $Z_{ijk}$  represents the set of patient-level characteristics. Here,  $\gamma_i$  is the fixed effect for facility and  $\alpha_j$  is the random effect for hospital  $j$ . It is assumed that the  $\alpha_j$ s arise as independent normal variables (i.e.,  $\alpha_j \sim N(0, \sigma^2)$ .)

2. We use the estimates from this model to calculate the  $i^{\text{th}}$  facility's SRR:

$$SRR_i = \frac{O_i}{E_i} = \frac{O_i}{\sum_{j \in \mathcal{H}(i)} \sum_{k=1}^{n_{ij}} \hat{p}_{ijk}}, \quad (2)$$

where, for the  $i^{\text{th}}$  facility,  $O_i$  is the number of observed unplanned readmissions,  $E_i$  is the expected number of unplanned readmissions,  $\mathcal{H}(i)$  is the collection of indices of hospitals from which patients are discharged to the  $i^{\text{th}}$  facility, and  $\hat{p}_{ijk}$  is the estimated probability of an unplanned readmission under the national norm for each discharge. More specifically,

$$\hat{p}_{ijk} = \frac{\exp(\hat{\gamma}_M + \hat{\alpha}_j + \hat{\beta}^T Z_{ijk})}{1 + \exp(\hat{\gamma}_M + \hat{\alpha}_j + \hat{\beta}^T Z_{ijk})}, \quad (3)$$

estimates the probability that a discharge from hospital  $j$  to facility  $i$  of a patient with characteristics  $Z_{ijk}$  would result in an unplanned readmission; this probability is being estimated assuming that the facility's effect corresponds to the median of national facility

effects, denoted by  $\hat{\gamma}_M$ . Here,  $\hat{\alpha}_i$  and  $\hat{\beta}$  are estimates from model (1). The sum of these probabilities is the expected number of unplanned readmissions  $E_i$  at facility  $i$ , adjusting for patient mix and under the national norm.

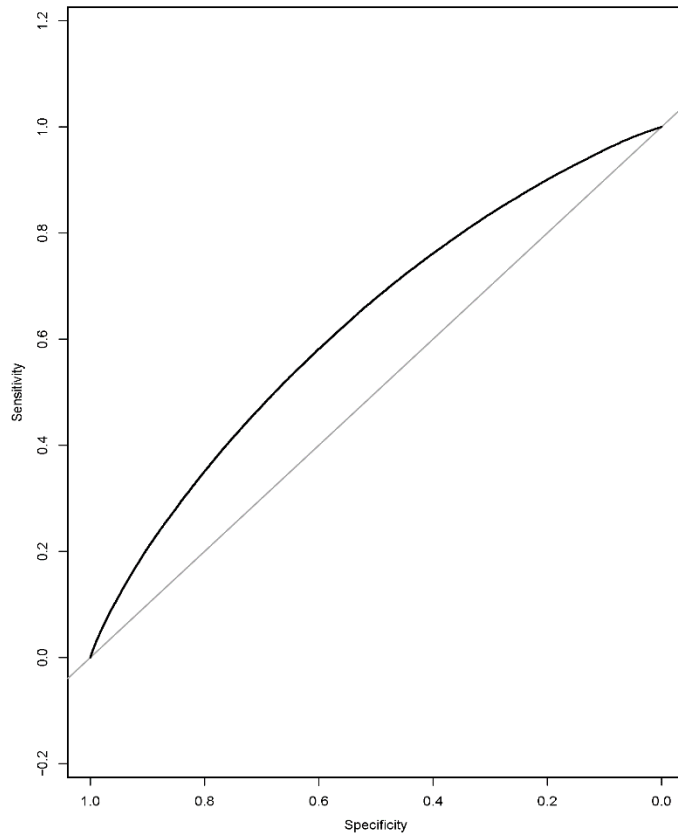
### Properties of the Hierarchical Logistic Model

In the model, we aim to formulate shared responsibilities among hospitals and facilities, while encouraging cooperation and communication between them.

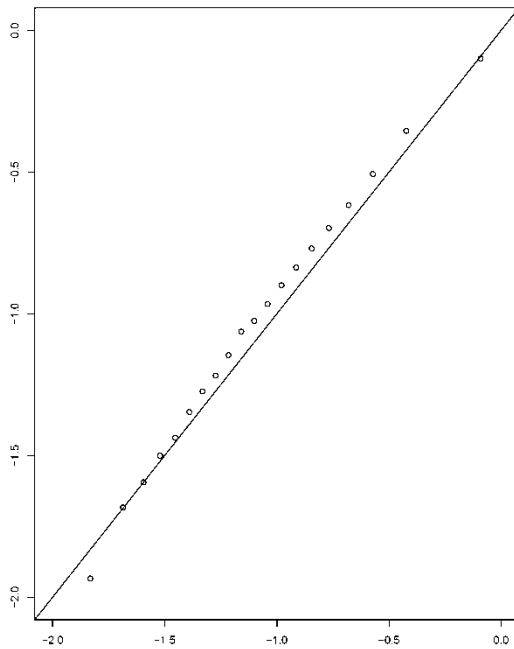
The inclusion of hospitals as random effects avoids the non-identifiability issue that apparently arises when a single hospital is associated with a single facility. Also, the random effects tend to smooth the effect of the hospital by “shrinking” the estimates toward a national average for hospitals serving dialysis patients. Thus, for example, if a given facility-hospital combination has a much higher readmission rate than the national median rate, the explanation for this outcome would be shared between the facility and the hospital. The hospital effect is estimated to be somewhat higher than the national average to reflect the high rates, but the estimated hospital effect will be ‘shrunk’ toward the overall national rate for hospitals. In this sense, facilities as well as hospitals will benefit from coordination of care.

We also use fixed effects to make inferences about dialysis facilities. Fixed effects models treat individual facilities separately and provide more precise estimation of the true effects for facilities with outcomes that are substantially worse (or better) than expected. We utilize an “exact” method to calculate the  $p$ -values associated for each facility. This method assesses the probability that the facility would experience a number of readmissions more extreme than that observed if readmission rates at that facility were identical to those of the national average. This method also works even if there are no readmissions observed or if all or nearly all discharges result in a readmission. Furthermore, in cases where a facility experiences no readmissions, the facility effect becomes undefined in the model, causing a numerical problem. To overcome this, we add a continuity correction (e.g., 0.1 divided by the number of patients in that facility) for such facilities. Note that when we calculate SRRs, we use the national median facility effect as the population norm, which is robust to these extreme values.

The model consistently demonstrates fair accuracy, with an average C statistic of 0.6265 for 2014, which is comparable to CMS’ measure of readmission for hospitals (HWR; YNHHS/CORE, 2013; C statistic range: 0.62–0.67). The C statistic measures the predictive power of the regression model. An alternative interpretation of the C statistic is obtained by considering the set of all pairs of index discharges where one discharge in the pair leads to a readmission and the other leads to no readmission. The C statistic is then the proportion of the pairs for which the model would correctly identify which discharge was more likely to lead to a readmission. A purely random assignment of readmission likelihood would yield a C statistic of 0.5, whereas a perfect measure would yield a C statistic of 1.0.

**Figure 2. ROC Curve for Original SRR Model (c-statistic = 0.6265)**

The 2014 model's fit is demonstrated in Figure 3, which compares the observed rates with the model-based predictions. We categorize all observations into 20 groups based on their model-based predicted values and compute the observed readmission proportion for each group. We then logit-transform each group's observed readmission proportion and plot it against the same group's average linear prediction. In Figure 3, if all the plotted points fell along the 45-degree line, this would represent a perfect match between the observed values and the model-based predictions. In general, the closer the observed values are to this line the better the model fit. As Figure X shows, the observed values are spaced fairly equally and lie very close to the 45-degree line, indicating an overall good fit.

**Figure 3. Proportion of readmissions to the estimated probability of readmission, 2014.**

### Creating Interval Estimates

Measuring or assessing significance of a large SRR (i.e., an SRR greater than 1) is based on the  $p$ -value. To calculate the  $p$ -value, we use an exact method that assesses the probability that the facility would experience a number of readmissions as extreme as that observed if the null hypothesis were true; this calculation accounts for each facility's patient mix. For instance, to test the hypothesis that a facility's true SRR is 1.0, we calculate the positive one-tailed  $p$ -value or significance level ( $SL^+$ ) for each facility as the probability that the number of readmissions in that facility would be at least as large as that observed under the assumption that this facility has readmission rates corresponding to the median facility and given the patient characteristics or covariates. The negative one-tailed  $p$ -value ( $SL^-$ ) is defined correspondingly (e.g., as small as). The two-tailed  $p$ -value is then defined as  $p = 2 * \min(SL^+, SL^-)$ . We use a "mid- $p$ " value to avoid two-tailed  $p$ -values greater than 1. Approaches for flagging are based on converting the  $p$ -values to z-statistics and using methods based on the empirical null hypothesis, which accounts for overdispersion in the data (Efron, 2004; Kalbfleisch and Wolfe, 2013). In effect, this method takes into account the natural variation observed between facilities and that cannot be accounted for by the model. To implement the empirical null methods, we stratify facilities into three groups based on the number of eligible discharges within each facility. We then plot the histograms of Z-scores for each strata along with normal curves fitted to the center of the histograms using a robust M-estimation method. We use these empirical null distributions to assess outlier facilities. This empirical null method makes appropriate adjustment in each of the strata and yields fairly consistent flagging rates across all strata.

To calculate the 95% interval estimate for SRR, we use an exact method that assesses the range of facility effects, such that the probability the facility would experience a number of readmissions more



extreme than that observed under the assumed facility effect is non-significant (e.g.,  $p > 0.05$ ). To account for natural facility variation not explained by the model, evaluation of significance is based on the empirical null distribution, instead of the standard normal density.

## Results

**Table 2. Effects from SRR: 2014**

| <b>Risk Factor</b>                                 | <b>Beta</b> | <b>p</b> |
|--|-------------|----------|
| <b>Age (y)</b>                                     |             |          |
| <25  | 0.2721      | <.0001   |
| 25–45  | 0.2403      | <.0001   |
| 45–60 (ref)  |             |          |
| 60–75  | -0.0033     | 0.4386   |
| >75  | 0.0564      | <.0001   |
| <b>BMI</b>   |             |          |
| Underweight  | -0.0178     | 0.2699   |
| Normal Weight (ref)                                |             |          |
| Overweight   | -0.0382     | <.0001   |
| Obese  | -0.1098     | <.0001   |
| Cause of ESRD: Diabetes                            | 0.0193      | 0.0427   |
| <b>Comorbidity (past year)</b>                     |             |          |
| Severe infection                                   | 0.0974      | <.0001   |
| Other infectious disease & pneumonias              | 0.1739      | <.0001   |
| Metastatic cancer/acute leukemia                   | 0.2839      | <.0001   |
| Severe cancer                                      | 0.1873      | <.0001   |
| Other major cancers                                | 0.0935      | <.0001   |
| End-Stage Liver Disease                            | 0.3017      | <.0001   |
| Other hematological disorders                      | 0.1939      | <.0001   |
| Drug and alcohol disorders                         | 0.3023      | <.0001   |
| Psychiatric comorbidity                            | 0.2404      | <.0001   |
| Hemiplegia/paraplegia/paralysis                    | 0.0693      | <.0001   |
| Functional disability                              | 0.0299      | 0.0243   |
| Seizure disorders and convulsions                  | 0.1560      | <.0001   |
| COPD   | 0.2228      | <.0001   |
| Fibrosis of lung or other chronic lung d           | 0.0675      | <.0001   |
| Ulcers   | 0.1757      | <.0001   |
| Septicemia/shock                                   | 0.0857      | <.0001   |
| Cardiorespiratory failure/shock                    | 0.2226      | <.0001   |
| Pancreatic disease                                 | 0.2262      | <.0001   |
| Rheumatoid arthritis and inflammatory co           | 0.0757      | <.0001   |
| Respirator dependence/tracheostomy statu           | -0.0687     | 0.0657   |
| Major organ transplants - excl kidney              | 0.0663      | 0.0335   |
| Coagulation defects and other specified            | 0.1629      | <.0001   |
| Hip fracture/dislocation                           | 0.0181      | 0.7228   |
| <b>Length of Index Hospitalization (days)</b>      |             |          |
| <2   |             |          |
| 2-4  | 0.0460      | <.0001   |
| 4-7  | 0.1134      | <.0001   |
| >7   | 0.2394      | <.0001   |
| Presence of high-risk diagnosis at index discharge | 0.4071      | <.0001   |
| Sex: Female  | 0.0444      | <.0001   |
| <b>Time on ESRD (y)</b>                            |             |          |

| Risk Factor | Beta   | p      |
|-------------|--------|--------|
| <1 (ref)    |        |        |
| 1-2         | 0.0780 | <.0001 |
| 2-3         | 0.0861 | <.0001 |
| 3-6         | 0.0722 | <.0001 |
| >6          | 0.0433 | 0.0001 |

**Note.** Discharge diagnoses that were relatively rare but led to a 30-day unplanned readmission in at least 40% of cases.

### Reliability Testing

To assess the SRR’s reliability, we evaluated the SRR derived from data on dialysis patient hospital discharges in 2012. If the measure were a simple average across individuals in the facility, the usual approach for determining measure reliability would be a one-way analysis of variance (ANOVA), in which the between- and within-facility variation in the measure is determined (HSAG, 2012). The inter-unit reliability (IUR) measures the proportion of the measure variability that is attributable to the between-facility variance. The SRR, however, is not a simple average, and we instead estimate the IUR using a bootstrap approach, which uses a resampling scheme to estimate the within-facility variation.

Here we describe our approach to calculating IUR. Suppose that there are  $N$  facilities with at least 11 discharges in the year. Let  $T_1, \dots, T_N$  be the SRR for these facilities. Within each facility, select at random and with replacement  $B = 100$  bootstrap samples. That is, if the  $i$ th facility has  $n_i$  subjects, randomly draw with replacement  $n_i$  subjects from those in the same facility, find their corresponding  $SRR_i$ , and repeat the process 100 times. Thus, for the  $i$ th facility, we have bootstrapped SRRs of  $T_{i1}^*, \dots, T_{i100}^*$ . Let  $S_i^*$  be the sample variance of this bootstrap sample. From this it can be seen that

$$s_{t,w}^2 = \frac{\sum_{i=1}^N [(n_i - 1)S_i^{*2}]}{\sum_{i=1}^N (n_i - 1)}$$

is a bootstrap estimate of the within-facility variance in the SRR, namely  $\sigma_{t,w}^2$ . Calling on formulas from the one way analysis of variance, an estimate of the overall variance of  $T_i$  is

$$s_t^2 = \frac{1}{n'(N - 1)} \sum_{i=1}^N n_i (T_i - \bar{T})^2$$

where

$$\bar{T} = \sum n_i T_i / \sum n_i$$

is the weighted mean of the observed SRR and

$$n' = \frac{1}{N-1} \left( \sum n_i - \frac{\sum n_i^2}{\sum n_i} \right)$$

is approximately the average facility size (number of patients per facility). Note that  $s_t^2$  is an estimate of  $\sigma_b^2 + \sigma_{t,w}^2$  where  $\sigma_b^2$  is the between-facility variance, the true signal reflecting the differences across facilities. Thus, the IUR, which is defined by

$$IUR = \frac{\sigma_b^2}{\sigma_b^2 + \sigma_{t,w}^2}$$

can be estimated with  $(s_t^2 - s_{t,w}^2)/s_t^2$

Overall, IURs for the SRR ranged from 0.49–0.54 (F-statistic: 1.96–2.17;  $p < 0.0001$ ) across the years 2009, 2010, 2011 and 2012, which indicates that about half of the variation in the SRR can be attributed to the between-facility differences and half to within-facility variation. This value of IUR indicates a moderate degree of reliability. When stratified by facility size, we find that, as expected, larger facilities have larger IURs (see Table 3).

**Table 3. SRR Inter-Unit Reliability Measures, by Facility Size: 2012–2015**

| Facility Size<br>(N patients) | 2012 |      | 2013 |      | 2014 |      | 2015 |      |
|-------------------------------|------|------|------|------|------|------|------|------|
|                               | IUR  | N    | IUR  | N    | IUR  | N    | IUR  | N    |
| All                           | .51  | 5698 | .48  | 5882 | .47  | 6089 | .47  | 6298 |
| Small                         | .45  | 1882 | .44  | 1942 | .39  | 2062 | .44  | 2111 |
| Medium                        | .51  | 1951 | .45  | 2006 | .47  | 2043 | .48  | 2114 |
| Large                         | .55  | 1865 | .52  | 1934 | .53  | 1984 | .48  | 2073 |

## Validity Testing

We assessed the validity of the measure through various comparisons of this measure with other quality measures in use, and in May 2012 presented a preliminary version of the SRR to a CMS Technical Expert Panel (TEP) for assessment of clinical validity.

The SRR is a measure of hospital use, comprising many causes of hospitalization. The TEP considered devising cause-specific SRRs but recommended the use of overall SRR measures due to various reasons, including the lack of clear consensus on which causes are modifiable by the dialysis facility and concerns about gaming the system if certain conditions are identified. This decision was consistent with the HWR measure.

As hospitalization is a major cost factor in the management of ESRD patients, there is a strong case for face validity of the SRR measure. This face validity of the SRR measure is also supported by its association with other known quality measures, which include both dialysis facility outcomes and practices.

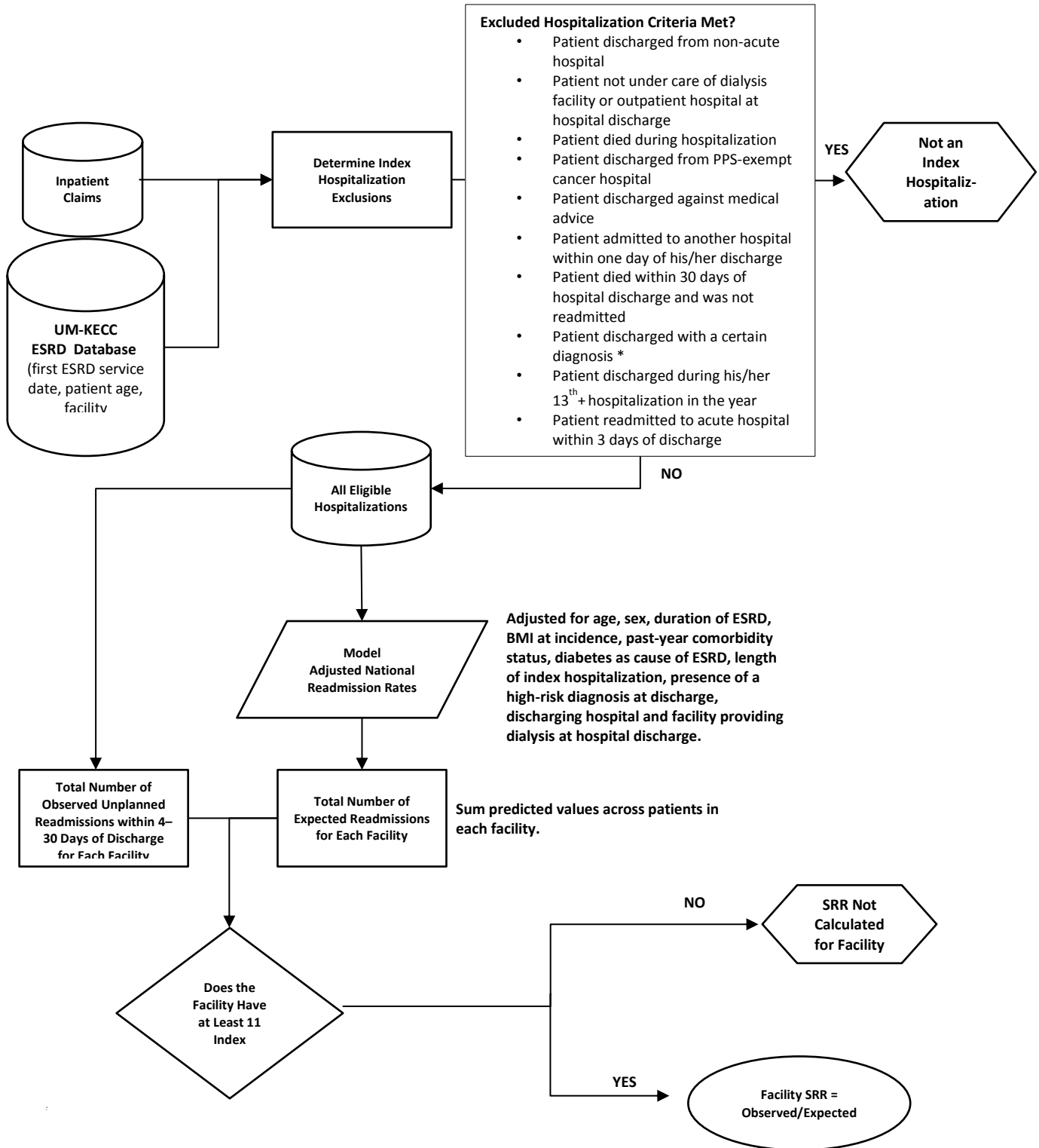
Also for 2013, the SHR and SMR was correlated with the Standardized Readmission Ratio (SRR) as expected (SHR rho =0.43, p<0.0001; SMR rho = 0.16, p<.0001).

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## Flowchart



**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|----------------------------|--------------------|---------------------------|
| 9                     | 179                  | MALIG NEOPL UTERUS NOS     | 25                 | Uterus cancr              |
| 9                     | 181                  | MALIGNANT NEOPL PLACENTA   | 28                 | Fem genit ca              |
| 9                     | 185                  | MALIG NEOPL PROSTATE       | 29                 | Prostate can              |
| 9                     | 193                  | MALIG NEOPL THYROID        | 36                 | Thyroid cancr             |
| 9                     | 1400                 | MAL NEO UPPER VERMILION    | 11                 | Hd/nck cancr              |
| 9                     | 1401                 | MAL NEO LOWER VERMILION    | 11                 | Hd/nck cancr              |
| 9                     | 1403                 | MAL NEO UPPER LIP- INNER   | 11                 | Hd/nck cancr              |
| 9                     | 1404                 | MAL NEO LOWER LIP- INNER   | 11                 | Hd/nck cancr              |
| 9                     | 1405                 | MAL NEO LIP- INNER NOS     | 11                 | Hd/nck cancr              |
| 9                     | 1406                 | MAL NEO LIP- COMMISSURE    | 11                 | Hd/nck cancr              |
| 9                     | 1408                 | MAL NEO LIP NEC            | 11                 | Hd/nck cancr              |
| 9                     | 1409                 | MAL NEO LIP/VERMIL NOS     | 11                 | Hd/nck cancr              |
| 9                     | 1410                 | MAL NEO TONGUE BASE        | 11                 | Hd/nck cancr              |
| 9                     | 1411                 | MAL NEO DORSAL TONGUE      | 11                 | Hd/nck cancr              |
| 9                     | 1412                 | MAL NEO TIP/LAT TONGUE     | 11                 | Hd/nck cancr              |
| 9                     | 1413                 | MAL NEO VENTRAL TONGUE     | 11                 | Hd/nck cancr              |
| 9                     | 1414                 | MAL NEO ANT 2/3 TONGUE     | 11                 | Hd/nck cancr              |
| 9                     | 1415                 | MAL NEO TONGUE JUNCTION    | 11                 | Hd/nck cancr              |
| 9                     | 1416                 | MAL NEO LINGUAL TONSIL     | 11                 | Hd/nck cancr              |
| 9                     | 1418                 | MALIG NEO TONGUE NEC       | 11                 | Hd/nck cancr              |
| 9                     | 1419                 | MALIG NEO TONGUE NOS       | 11                 | Hd/nck cancr              |
| 9                     | 1420                 | MALIG NEO PAROTID          | 11                 | Hd/nck cancr              |
| 9                     | 1421                 | MALIG NEO SUBMANDIBULAR    | 11                 | Hd/nck cancr              |
| 9                     | 1422                 | MALIG NEO SUBLINGUAL       | 11                 | Hd/nck cancr              |
| 9                     | 1428                 | MAL NEO MAJ SALIVARY NEC   | 11                 | Hd/nck cancr              |
| 9                     | 1429                 | MAL NEO SALIVARY NOS       | 11                 | Hd/nck cancr              |
| 9                     | 1430                 | MALIG NEO UPPER GUM        | 11                 | Hd/nck cancr              |
| 9                     | 1431                 | MALIG NEO LOWER GUM        | 11                 | Hd/nck cancr              |
| 9                     | 1438                 | MALIG NEO GUM NEC          | 11                 | Hd/nck cancr              |
| 9                     | 1439                 | MALIG NEO GUM NOS          | 11                 | Hd/nck cancr              |
| 9                     | 1440                 | MAL NEO ANT FLOOR MOUTH    | 11                 | Hd/nck cancr              |
| 9                     | 1441                 | MAL NEO LAT FLOOR MOUTH    | 11                 | Hd/nck cancr              |
| 9                     | 1448                 | MAL NEO MOUTH FLOOR NEC    | 11                 | Hd/nck cancr              |
| 9                     | 1449                 | MAL NEO MOUTH FLOOR NOS    | 11                 | Hd/nck cancr              |
| 9                     | 1450                 | MAL NEO CHEEK MUCOSA       | 11                 | Hd/nck cancr              |
| 9                     | 1451                 | MAL NEO MOUTH VESTIBULE    | 11                 | Hd/nck cancr              |
| 9                     | 1452                 | MALIG NEO HARD PALATE      | 11                 | Hd/nck cancr              |
| 9                     | 1453                 | MALIG NEO SOFT PALATE      | 11                 | Hd/nck cancr              |
| 9                     | 1454                 | MALIGNANT NEOPLASM UVULA   | 11                 | Hd/nck cancr              |
| 9                     | 1455                 | MALIGNANT NEO PALATE NOS   | 11                 | Hd/nck cancr              |
| 9                     | 1456                 | MALIG NEO RETROMOLAR       | 11                 | Hd/nck cancr              |
| 9                     | 1458                 | MALIG NEOPLASM MOUTH NEC   | 11                 | Hd/nck cancr              |
| 9                     | 1459                 | MALIG NEOPLASM MOUTH NOS   | 11                 | Hd/nck cancr              |
| 9                     | 1460                 | MALIGNANT NEOPL TONSIL     | 11                 | Hd/nck cancr              |
| 9                     | 1461                 | MAL NEO TONSILLAR FOSSA    | 11                 | Hd/nck cancr              |
| 9                     | 1462                 | MAL NEO TONSIL PILLARS     | 11                 | Hd/nck cancr              |
| 9                     | 1463                 | MALIG NEOPL VALLECULA      | 11                 | Hd/nck cancr              |
| 9                     | 1464                 | MAL NEO ANT EPIGLOTTIS     | 11                 | Hd/nck cancr              |
| 9                     | 1465                 | MAL NEO EPIGLOTTIS JUNCT   | 11                 | Hd/nck cancr              |
| 9                     | 1466                 | MAL NEO LAT OROPHARYNX     | 11                 | Hd/nck cancr              |
| 9                     | 1467                 | MAL NEO POST OROPHARYNX    | 11                 | Hd/nck cancr              |
| 9                     | 1468                 | MAL NEO OROPHARYNX NEC     | 11                 | Hd/nck cancr              |
| 9                     | 1469                 | MALIG NEO OROPHARYNX NOS   | 11                 | Hd/nck cancr              |
| 9                     | 1470                 | MAL NEO SUPER NASOPHARYNX  | 11                 | Hd/nck cancr              |
| 9                     | 1471                 | MAL NEO POST NASOPHARYNX   | 11                 | Hd/nck cancr              |
| 9                     | 1472                 | MAL NEO LAT NASOPHARYNX    | 11                 | Hd/nck cancr              |
| 9                     | 1473                 | MAL NEO ANT NASOPHARYNX    | 11                 | Hd/nck cancr              |
| 9                     | 1478                 | MAL NEO NASOPHARYNX NEC    | 11                 | Hd/nck cancr              |
| 9                     | 1479                 | MAL NEO NASOPHARYNX NOS    | 11                 | Hd/nck cancr              |
| 9                     | 1480                 | MAL NEO POSTCRICOID        | 11                 | Hd/nck cancr              |
| 9                     | 1481                 | MAL NEO PYRIFORM SINUS     | 11                 | Hd/nck cancr              |
| 9                     | 1482                 | MAL NEO ARYEPIGLOTT FOLD   | 11                 | Hd/nck cancr              |
| 9                     | 1483                 | MAL NEO POST HYPOPHARYNX   | 11                 | Hd/nck cancr              |
| 9                     | 1488                 | MAL NEO HYPOPHARYNX NEC    | 11                 | Hd/nck cancr              |
| 9                     | 1489                 | MAL NEO HYPOPHARYNX NOS    | 11                 | Hd/nck cancr              |
| 9                     | 1490                 | MAL NEO PHARYNX NOS        | 11                 | Hd/nck cancr              |
| 9                     | 1491                 | MAL NEO WALDEYER-S RING    | 11                 | Hd/nck cancr              |
| 9                     | 1498                 | MAL NEO ORAL/PHARYNX NEC   | 11                 | Hd/nck cancr              |
| 9                     | 1499                 | MAL NEO OROPHARYNX ILL-DEF | 11                 | Hd/nck cancr              |
| 9                     | 1500                 | MAL NEO CERVICAL ESOPHAG   | 12                 | Esoph cancer              |
| 9                     | 1501                 | MAL NEO THORACIC ESOPHAG   | 12                 | Esoph cancer              |
| 9                     | 1502                 | MAL NEO ABDOMIN ESOPHAG    | 12                 | Esoph cancer              |
| 9                     | 1503                 | MAL NEO UPPER 3RD ESOPH    | 12                 | Esoph cancer              |
| 9                     | 1504                 | MAL NEO MIDDLE 3RD ESOPH   | 12                 | Esoph cancer              |
| 9                     | 1505                 | MAL NEO LOWER 3RD ESOPH    | 12                 | Esoph cancer              |
| 9                     | 1508                 | MAL NEO ESOPHAGUS NEC      | 12                 | Esoph cancer              |
| 9                     | 1509                 | MAL NEO ESOPHAGUS NOS      | 12                 | Esoph cancer              |
| 9                     | 1510                 | MAL NEO STOMACH CARDIA     | 13                 | Stomch cancr              |
| 9                     | 1511                 | MALIGNANT NEO PYLORUS      | 13                 | Stomch cancr              |
| 9                     | 1512                 | MAL NEO PYLORIC ANTRUM     | 13                 | Stomch cancr              |
| 9                     | 1513                 | MAL NEO STOMACH FUNDUS     | 13                 | Stomch cancr              |
| 9                     | 1514                 | MAL NEO STOMACH BODY       | 13                 | Stomch cancr              |
| 9                     | 1515                 | MAL NEO STOM LESSER CURV   | 13                 | Stomch cancr              |
| 9                     | 1516                 | MAL NEO STOM GREAT CURV    | 13                 | Stomch cancr              |
| 9                     | 1518                 | MALIG NEOPL STOMACH NEC    | 13                 | Stomch cancr              |
| 9                     | 1519                 | MALIG NEOPL STOMACH NOS    | 13                 | Stomch cancr              |
| 9                     | 1520                 | MALIGNANT NEOPL DUODENUM   | 18                 | GI/perit can              |
| 9                     | 1521                 | MALIGNANT NEOPL JEJUNUM    | 18                 | GI/perit can              |
| 9                     | 1522                 | MALIGNANT NEOPLASM ILEUM   | 18                 | GI/perit can              |
| 9                     | 1523                 | MAL NEO MECKEL-S DIVERT    | 18                 | GI/perit can              |
| 9                     | 1528                 | MAL NEO SMALL BOWEL NEC    | 18                 | GI/perit can              |
| 9                     | 1529                 | MAL NEO SMALL BOWEL NOS    | 18                 | GI/perit can              |
| 9                     | 1530                 | MAL NEO HEPATIC FLEXURE    | 14                 | Colon cancer              |
| 9                     | 1531                 | MAL NEO TRANSVERSE COLON   | 14                 | Colon cancer              |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b> | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|------------------------------|---------------------------|----------------------------------|
| 9                            | 1532                        | MAL NEO DESCEND COLON        | 14                        | Colon cancer                     |
| 9                            | 1533                        | MAL NEO SIGMOID COLON        | 14                        | Colon cancer                     |
| 9                            | 1534                        | MALIGNANT NEOPLASM CECUM     | 14                        | Colon cancer                     |
| 9                            | 1535                        | MALIGNANT NEO APPENDIX       | 14                        | Colon cancer                     |
| 9                            | 1536                        | MALIG NEO ASCEND COLON       | 14                        | Colon cancer                     |
| 9                            | 1537                        | MAL NEO SPLENIC FLEXURE      | 14                        | Colon cancer                     |
| 9                            | 1538                        | MALIGNANT NEO COLON NEC      | 14                        | Colon cancer                     |
| 9                            | 1539                        | MALIGNANT NEO COLON NOS      | 14                        | Colon cancer                     |
| 9                            | 1540                        | MAL NEO RECTOSIGMOID JCT     | 15                        | Rctm/anus ca                     |
| 9                            | 1541                        | MALIGNANT NEOPL RECTUM       | 15                        | Rctm/anus ca                     |
| 9                            | 1542                        | MALIG NEOPL ANAL CANAL       | 15                        | Rctm/anus ca                     |
| 9                            | 1543                        | MALIGNANT NEO ANUS NOS       | 15                        | Rctm/anus ca                     |
| 9                            | 1548                        | MAL NEO RECTUM/ANUS NEC      | 15                        | Rctm/anus ca                     |
| 9                            | 1550                        | MAL NEO LIVER- PRIMARY       | 16                        | Liver/ibd ca                     |
| 9                            | 1551                        | MAL NEO INTRAHEPAT DUCTS     | 16                        | Liver/ibd ca                     |
| 9                            | 1552                        | MALIGNANT NEO LIVER NOS      | 16                        | Liver/ibd ca                     |
| 9                            | 1560                        | MALIG NEO GALLBLADDER        | 18                        | GI/perit can                     |
| 9                            | 1561                        | MAL NEO EXTRAHEPAT DUCTS     | 18                        | GI/perit can                     |
| 9                            | 1562                        | MAL NEO AMPULLA OF VATER     | 18                        | GI/perit can                     |
| 9                            | 1568                        | MALIG NEO BILIARY NEC        | 18                        | GI/perit can                     |
| 9                            | 1569                        | MALIG NEO BILIARY NOS        | 18                        | GI/perit can                     |
| 9                            | 1570                        | MAL NEO PANCREAS HEAD        | 17                        | Pancreas can                     |
| 9                            | 1571                        | MAL NEO PANCREAS BODY        | 17                        | Pancreas can                     |
| 9                            | 1572                        | MAL NEO PANCREAS TAIL        | 17                        | Pancreas can                     |
| 9                            | 1573                        | MAL NEO PANCREATIC DUCT      | 17                        | Pancreas can                     |
| 9                            | 1574                        | MAL NEO ISLET LANGERHANS     | 17                        | Pancreas can                     |
| 9                            | 1578                        | MALIG NEO PANCREAS NEC       | 17                        | Pancreas can                     |
| 9                            | 1579                        | MALIG NEO PANCREAS NOS       | 17                        | Pancreas can                     |
| 9                            | 1580                        | MAL NEO RETROPERITONEUM      | 18                        | GI/perit can                     |
| 9                            | 1588                        | MAL NEO PERITONEUM NEC       | 18                        | GI/perit can                     |
| 9                            | 1589                        | MAL NEO PERITONEUM NOS       | 18                        | GI/perit can                     |
| 9                            | 1590                        | MALIG NEO INTESTINE NOS      | 14                        | Colon cancer                     |
| 9                            | 1591                        | MALIGNANT NEO SPLEEN NEC     | 18                        | GI/perit can                     |
| 9                            | 1598                        | MAL NEO GI/INTRA-ABD NEC     | 18                        | GI/perit can                     |
| 9                            | 1599                        | MAL NEO GI TRACT ILL-DEF     | 18                        | GI/perit can                     |
| 9                            | 1600                        | MAL NEO NASAL CAVITIES       | 11                        | Hd/nck cancr                     |
| 9                            | 1601                        | MALIG NEO MIDDLE EAR         | 11                        | Hd/nck cancr                     |
| 9                            | 1602                        | MAL NEO MAXILLARY SINUS      | 11                        | Hd/nck cancr                     |
| 9                            | 1603                        | MAL NEO ETHMOIDAL SINUS      | 11                        | Hd/nck cancr                     |
| 9                            | 1604                        | MALIG NEO FRONTAL SINUS      | 11                        | Hd/nck cancr                     |
| 9                            | 1605                        | MAL NEO SPHENOID SINUS       | 11                        | Hd/nck cancr                     |
| 9                            | 1608                        | MAL NEO ACCESS SINUS NEC     | 11                        | Hd/nck cancr                     |
| 9                            | 1609                        | MAL NEO ACCESS SINUS NOS     | 11                        | Hd/nck cancr                     |
| 9                            | 1610                        | MALIGNANT NEO GLOTTIS        | 11                        | Hd/nck cancr                     |
| 9                            | 1611                        | MALIG NEO SUPRAGLOTTIS       | 11                        | Hd/nck cancr                     |
| 9                            | 1612                        | MALIG NEO SUBGLOTTIS         | 11                        | Hd/nck cancr                     |
| 9                            | 1613                        | MAL NEO CARTILAGE LARYNX     | 11                        | Hd/nck cancr                     |
| 9                            | 1618                        | MALIGNANT NEO LARYNX NEC     | 11                        | Hd/nck cancr                     |
| 9                            | 1619                        | MALIGNANT NEO LARYNX NOS     | 11                        | Hd/nck cancr                     |
| 9                            | 1620                        | MALIGNANT NEO TRACHEA        | 20                        | Ot respir ca                     |
| 9                            | 1622                        | MALIG NEO MAIN BRONCHUS      | 19                        | Brnch/Ing ca                     |
| 9                            | 1623                        | MAL NEO UPPER LOBE LUNG      | 19                        | Brnch/Ing ca                     |
| 9                            | 1624                        | MAL NEO MIDDLE LOBE LUNG     | 19                        | Brnch/Ing ca                     |
| 9                            | 1625                        | MAL NEO LOWER LOBE LUNG      | 19                        | Brnch/Ing ca                     |
| 9                            | 1628                        | MAL NEO BRONCH/LUNG NEC      | 19                        | Brnch/Ing ca                     |
| 9                            | 1629                        | MAL NEO BRONCH/LUNG NOS      | 19                        | Brnch/Ing ca                     |
| 9                            | 1630                        | MAL NEO PARIETAL PLEURA      | 20                        | Ot respir ca                     |
| 9                            | 1631                        | MAL NEO VISCERAL PLEURA      | 20                        | Ot respir ca                     |
| 9                            | 1638                        | MALIG NEOPL PLEURA NEC       | 20                        | Ot respir ca                     |
| 9                            | 1639                        | MALIG NEOPL PLEURA NOS       | 20                        | Ot respir ca                     |
| 9                            | 1640                        | MALIGNANT NEOPL THYMUS       | 41                        | Ot primry ca                     |
| 9                            | 1641                        | MALIGNANT NEOPL HEART        | 41                        | Ot primry ca                     |
| 9                            | 1642                        | MAL NEO ANT MEDIASTINUM      | 41                        | Ot primry ca                     |
| 9                            | 1643                        | MAL NEO POST MEDIASTINUM     | 41                        | Ot primry ca                     |
| 9                            | 1648                        | MAL NEO MEDIASTINUM NEC      | 41                        | Ot primry ca                     |
| 9                            | 1649                        | MAL NEO MEDIASTINUM NOS      | 41                        | Ot primry ca                     |
| 9                            | 1650                        | MAL NEO UPPER RESP NOS       | 20                        | Ot respir ca                     |
| 9                            | 1658                        | MAL NEO THORAX/RESP NEC      | 20                        | Ot respir ca                     |
| 9                            | 1659                        | MAL NEO RESP SYSTEM NOS      | 20                        | Ot respir ca                     |
| 9                            | 1700                        | MAL NEO SKULL/FACE BONE      | 21                        | Bone/ct cncr                     |
| 9                            | 1701                        | MALIGNANT NEO MANDIBLE       | 21                        | Bone/ct cncr                     |
| 9                            | 1702                        | MALIG NEO VERTEBRAE          | 21                        | Bone/ct cncr                     |
| 9                            | 1703                        | MAL NEO RIBS/STERN/CLAV      | 21                        | Bone/ct cncr                     |
| 9                            | 1704                        | MAL NEO LONG BONES ARM       | 21                        | Bone/ct cncr                     |
| 9                            | 1705                        | MAL NEO BONES WRIST/HAND     | 21                        | Bone/ct cncr                     |
| 9                            | 1706                        | MAL NEO PELVIC GIRDLE        | 21                        | Bone/ct cncr                     |
| 9                            | 1707                        | MAL NEO LONG BONES LEG       | 21                        | Bone/ct cncr                     |
| 9                            | 1708                        | MAL NEO BONES ANKLE/FOOT     | 21                        | Bone/ct cncr                     |
| 9                            | 1709                        | MALIG NEOPL BONE NOS         | 21                        | Bone/ct cncr                     |
| 9                            | 1710                        | MAL NEO SOFT TISSUE HEAD     | 21                        | Bone/ct cncr                     |
| 9                            | 1712                        | MAL NEO SOFT TISSUE ARM      | 21                        | Bone/ct cncr                     |
| 9                            | 1713                        | MAL NEO SOFT TISSUE LEG      | 21                        | Bone/ct cncr                     |
| 9                            | 1714                        | MAL NEO SOFT TIS THORAX      | 21                        | Bone/ct cncr                     |
| 9                            | 1715                        | MAL NEO SOFT TIS ABDOMEN     | 21                        | Bone/ct cncr                     |
| 9                            | 1716                        | MAL NEO SOFT TIS PELVIS      | 21                        | Bone/ct cncr                     |
| 9                            | 1717                        | MAL NEOPL TRUNK NOS          | 21                        | Bone/ct cncr                     |
| 9                            | 1718                        | MAL NEO SOFT TISSUE NEC      | 21                        | Bone/ct cncr                     |
| 9                            | 1719                        | MAL NEO SOFT TISSUE NOS      | 21                        | Bone/ct cncr                     |
| 9                            | 1720                        | MALIG MELANOMA LIP           | 22                        | Skin melanom                     |
| 9                            | 1721                        | MALIG MELANOMA EYELID        | 22                        | Skin melanom                     |
| 9                            | 1722                        | MALIG MELANOMA EAR           | 22                        | Skin melanom                     |
| 9                            | 1723                        | MAL MELANOM FACE NEC/NOS     | 22                        | Skin melanom                     |
| 9                            | 1724                        | MAL MELANOMA SCALP/NECK      | 22                        | Skin melanom                     |
| 9                            | 1725                        | MALIG MELANOMA TRUNK         | 22                        | Skin melanom                     |



**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>          | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---------------------------------------|---------------------------|----------------------------------|
| 9                            | 1726                        | MALIG MELANOMA ARM                    | 22                        | Skin melanom                     |
| 9                            | 1727                        | MALIG MELANOMA LEG                    | 22                        | Skin melanom                     |
| 9                            | 1728                        | MALIG MELANOMA SKIN NEC               | 22                        | Skin melanom                     |
| 9                            | 1729                        | MALIG MELANOMA SKIN NOS               | 22                        | Skin melanom                     |
| 9                            | 1730                        | MALIG NEO SKIN LIP (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1731                        | MALIG NEO SKIN EYELID (end 2011)      | 23                        | Non-epith ca                     |
| 9                            | 1732                        | MALIG NEO SKIN EAR (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1733                        | MAL NEO SKIN FACE NEC (end 2011)      | 23                        | Non-epith ca                     |
| 9                            | 1734                        | MAL NEO SCALP/SKIN NECK (end 2011)    | 23                        | Non-epith ca                     |
| 9                            | 1735                        | MALIG NEO SKIN TRUNK (end 2011)       | 23                        | Non-epith ca                     |
| 9                            | 1736                        | MALIG NEO SKIN ARM (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1737                        | MALIG NEO SKIN LEG (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1738                        | MALIG NEO SKIN NEC (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1739                        | MALIG NEO SKIN NOS (end 2011)         | 23                        | Non-epith ca                     |
| 9                            | 1740                        | MALIG NEO NIPPLE                      | 24                        | Breast cancr                     |
| 9                            | 1741                        | MAL NEO BREAST-CENTRAL                | 24                        | Breast cancr                     |
| 9                            | 1742                        | MAL NEO BREAST UP-INNER               | 24                        | Breast cancr                     |
| 9                            | 1743                        | MAL NEO BREAST LOW-INNER              | 24                        | Breast cancr                     |
| 9                            | 1744                        | MAL NEO BREAST UP-OUTER               | 24                        | Breast cancr                     |
| 9                            | 1745                        | MAL NEO BREAST LOW-OUTER              | 24                        | Breast cancr                     |
| 9                            | 1746                        | MAL NEO BREAST-AXILLARY               | 24                        | Breast cancr                     |
| 9                            | 1748                        | MALIGN NEOPL BREAST NEC               | 24                        | Breast cancr                     |
| 9                            | 1749                        | MALIGN NEOPL BREAST NOS               | 24                        | Breast cancr                     |
| 9                            | 1750                        | MAL NEO MALE NIPPLE                   | 24                        | Breast cancr                     |
| 9                            | 1759                        | MAL NEO MALE BREAST NEC               | 24                        | Breast cancr                     |
| 9                            | 1760                        | SKIN - KAPOSI-S SARCOMA (Begin 1991)  | 41                        | Ot primry ca                     |
| 9                            | 1761                        | SFT TISUE - KPSI-S SRCMA (Begin 1991) | 41                        | Ot primry ca                     |
| 9                            | 1762                        | PALATE - KPSI-S SARCOMA (Begin 1991)  | 41                        | Ot primry ca                     |
| 9                            | 1763                        | GI SITES - KPSI-S SRCOMA (Begin 1991) | 41                        | Ot primry ca                     |
| 9                            | 1764                        | LUNG - KAPOSI-S SARCOMA (Begin 1991)  | 41                        | Ot primry ca                     |
| 9                            | 1765                        | LYM NDS - KPSI-S SARCOMA (Begin 1991) | 41                        | Ot primry ca                     |
| 9                            | 1768                        | SPF STS - KPSI-S SARCOMA (Begin 1991) | 41                        | Ot primry ca                     |
| 9                            | 1769                        | KAPOSI-S SARCOMA NOS (Begin 1991)     | 41                        | Ot primry ca                     |
| 9                            | 1800                        | MALIG NEO ENDOCERVIX                  | 26                        | Cervix cancr                     |
| 9                            | 1801                        | MALIG NEO EXOCERVIX                   | 26                        | Cervix cancr                     |
| 9                            | 1808                        | MALIG NEO CERVIX NEC                  | 26                        | Cervix cancr                     |
| 9                            | 1809                        | MAL NEO CERVIX UTERI NOS              | 26                        | Cervix cancr                     |
| 9                            | 1820                        | MALIG NEO CORPUS UTERI                | 25                        | Uterus cancr                     |
| 9                            | 1821                        | MAL NEO UTERINE ISTHMUS               | 25                        | Uterus cancr                     |
| 9                            | 1828                        | MAL NEO BODY UTERUS NEC               | 25                        | Uterus cancr                     |
| 9                            | 1830                        | MALIGN NEOPL OVARY                    | 27                        | Ovary cancer                     |
| 9                            | 1832                        | MAL NEO FALLOPIAN TUBE                | 28                        | Fem genit ca                     |
| 9                            | 1833                        | MAL NEO BROAD LIGAMENT                | 28                        | Fem genit ca                     |
| 9                            | 1834                        | MALIG NEO PARAMETRIUM                 | 28                        | Fem genit ca                     |
| 9                            | 1835                        | MAL NEO ROUND LIGAMENT                | 28                        | Fem genit ca                     |
| 9                            | 1838                        | MAL NEO ADNEXA NEC                    | 28                        | Fem genit ca                     |
| 9                            | 1839                        | MAL NEO ADNEXA NOS                    | 28                        | Fem genit ca                     |
| 9                            | 1840                        | MALIGN NEOPL VAGINA                   | 28                        | Fem genit ca                     |
| 9                            | 1841                        | MAL NEO LABIA MAJORA                  | 28                        | Fem genit ca                     |
| 9                            | 1842                        | MAL NEO LABIA MINORA                  | 28                        | Fem genit ca                     |
| 9                            | 1843                        | MALIGN NEOPL CLITORIS                 | 28                        | Fem genit ca                     |
| 9                            | 1844                        | MALIGN NEOPL VULVA NOS                | 28                        | Fem genit ca                     |
| 9                            | 1848                        | MAL NEO FEMALE GENIT NEC              | 28                        | Fem genit ca                     |
| 9                            | 1849                        | MAL NEO FEMALE GENIT NOS              | 28                        | Fem genit ca                     |
| 9                            | 1860                        | MAL NEO UNDESCEND TESTIS              | 30                        | Testis cancr                     |
| 9                            | 1869                        | MALIG NEO TESTIS NEC                  | 30                        | Testis cancr                     |
| 9                            | 1871                        | MALIGN NEOPL PREPUCE                  | 31                        | Mal genit ca                     |
| 9                            | 1872                        | MALIG NEO GLANS PENIS                 | 31                        | Mal genit ca                     |
| 9                            | 1873                        | MALIG NEO PENIS BODY                  | 31                        | Mal genit ca                     |
| 9                            | 1874                        | MALIG NEO PENIS NOS                   | 31                        | Mal genit ca                     |
| 9                            | 1875                        | MALIG NEO EPIDIDYMIS                  | 31                        | Mal genit ca                     |
| 9                            | 1876                        | MAL NEO SPERMATIC CORD                | 31                        | Mal genit ca                     |
| 9                            | 1877                        | MALIGN NEOPL SCROTUM                  | 31                        | Mal genit ca                     |
| 9                            | 1878                        | MAL NEO MALE GENITAL NEC              | 31                        | Mal genit ca                     |
| 9                            | 1879                        | MAL NEO MALE GENITAL NOS              | 31                        | Mal genit ca                     |
| 9                            | 1880                        | MAL NEO BLADDER-TRIGONE               | 32                        | Bladder cncr                     |
| 9                            | 1881                        | MAL NEO BLADDER-DOME                  | 32                        | Bladder cncr                     |
| 9                            | 1882                        | MAL NEO BLADDER-LATERAL               | 32                        | Bladder cncr                     |
| 9                            | 1883                        | MAL NEO BLADDER-ANTERIOR              | 32                        | Bladder cncr                     |
| 9                            | 1884                        | MAL NEO BLADDER-POST                  | 32                        | Bladder cncr                     |
| 9                            | 1885                        | MAL NEO BLADDER NECK                  | 32                        | Bladder cncr                     |
| 9                            | 1886                        | MAL NEO URETERIC ORIFICE              | 32                        | Bladder cncr                     |
| 9                            | 1887                        | MALIG NEO URACHUS                     | 32                        | Bladder cncr                     |
| 9                            | 1888                        | MALIG NEO BLADDER NEC                 | 32                        | Bladder cncr                     |
| 9                            | 1889                        | MALIG NEO BLADDER NOS                 | 32                        | Bladder cncr                     |
| 9                            | 1890                        | MALIG NEOPL KIDNEY                    | 33                        | Kidny/rnl ca                     |
| 9                            | 1891                        | MALIG NEO RENAL PELVIS                | 33                        | Kidny/rnl ca                     |
| 9                            | 1892                        | MALIGN NEOPL URETER                   | 34                        | Uriny org ca                     |
| 9                            | 1893                        | MALIGN NEOPL URETHRA                  | 34                        | Uriny org ca                     |
| 9                            | 1894                        | MAL NEO PARAURETHRAL                  | 34                        | Uriny org ca                     |
| 9                            | 1898                        | MAL NEO URINARY NEC                   | 34                        | Uriny org ca                     |
| 9                            | 1899                        | MAL NEO URINARY NOS                   | 34                        | Uriny org ca                     |
| 9                            | 1900                        | MALIGN NEOPL EYEBALL                  | 41                        | Ot primry ca                     |
| 9                            | 1901                        | MALIGN NEOPL ORBIT                    | 41                        | Ot primry ca                     |
| 9                            | 1902                        | MAL NEO LACRIMAL GLAND                | 41                        | Ot primry ca                     |
| 9                            | 1903                        | MAL NEO CONJUNCTIVA                   | 41                        | Ot primry ca                     |
| 9                            | 1904                        | MALIGN NEOPL CORNEA                   | 41                        | Ot primry ca                     |
| 9                            | 1905                        | MALIGN NEOPL RETINA                   | 41                        | Ot primry ca                     |
| 9                            | 1906                        | MALIGN NEOPL CHOROID                  | 41                        | Ot primry ca                     |
| 9                            | 1907                        | MAL NEO LACRIMAL DUCT                 | 41                        | Ot primry ca                     |
| 9                            | 1908                        | MALIGN NEOPL EYE NEC                  | 41                        | Ot primry ca                     |
| 9                            | 1909                        | MALIGN NEOPL EYE NOS                  | 41                        | Ot primry ca                     |
| 9                            | 1910                        | MALIGN NEOPL CEREBRUM                 | 35                        | Brain/ns can                     |
| 9                            | 1911                        | MALIG NEO FRONTAL LOBE                | 35                        | Brain/ns can                     |

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|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 9                            | 1912                        | MAL NEO TEMPORAL LOBE                           | 35                        | Brain/ns can                     |
| 9                            | 1913                        | MAL NEO PARIETAL LOBE                           | 35                        | Brain/ns can                     |
| 9                            | 1914                        | MAL NEO OCCIPITAL LOBE                          | 35                        | Brain/ns can                     |
| 9                            | 1915                        | MAL NEO CEREB VENTRICLE                         | 35                        | Brain/ns can                     |
| 9                            | 1916                        | MAL NEO CEREBELLUM NOS                          | 35                        | Brain/ns can                     |
| 9                            | 1917                        | MAL NEO BRAIN STEM                              | 35                        | Brain/ns can                     |
| 9                            | 1918                        | MALIG NEO BRAIN NEC                             | 35                        | Brain/ns can                     |
| 9                            | 1919                        | MALIG NEO BRAIN NOS                             | 35                        | Brain/ns can                     |
| 9                            | 1920                        | MAL NEO CRANIAL NERVES                          | 35                        | Brain/ns can                     |
| 9                            | 1921                        | MAL NEO CEREBRAL MENING                         | 35                        | Brain/ns can                     |
| 9                            | 1922                        | MAL NEO SPINAL CORD                             | 35                        | Brain/ns can                     |
| 9                            | 1923                        | MAL NEO SPINAL MENINGES                         | 35                        | Brain/ns can                     |
| 9                            | 1928                        | MAL NEO NERVOUS SYST NEC                        | 35                        | Brain/ns can                     |
| 9                            | 1929                        | MAL NEO NERVOUS SYST NOS                        | 35                        | Brain/ns can                     |
| 9                            | 1940                        | MALIGN NEOPL ADRENAL                            | 41                        | Ot primry ca                     |
| 9                            | 1941                        | MALIG NEO PARATHYROID                           | 41                        | Ot primry ca                     |
| 9                            | 1943                        | MALIG NEO PITUITARY                             | 41                        | Ot primry ca                     |
| 9                            | 1944                        | MALIGN NEO PINEAL GLAND                         | 41                        | Ot primry ca                     |
| 9                            | 1945                        | MAL NEO CAROTID BODY                            | 41                        | Ot primry ca                     |
| 9                            | 1946                        | MAL NEO PARAGANGLIA NEC                         | 41                        | Ot primry ca                     |
| 9                            | 1948                        | MAL NEO ENDOCRINE NEC                           | 41                        | Ot primry ca                     |
| 9                            | 1949                        | MAL NEO ENDOCRINE NOS                           | 41                        | Ot primry ca                     |
| 9                            | 1950                        | MAL NEO HEAD/FACE/NECK                          | 11                        | Hd/nck cancr                     |
| 9                            | 1951                        | MALIGN NEOPL THORAX                             | 41                        | Ot primry ca                     |
| 9                            | 1952                        | MALIG NEO ABDOMEN                               | 41                        | Ot primry ca                     |
| 9                            | 1953                        | MALIGN NEOPL PELVIS                             | 41                        | Ot primry ca                     |
| 9                            | 1954                        | MALIGN NEOPL ARM                                | 41                        | Ot primry ca                     |
| 9                            | 1955                        | MALIGN NEOPL LEG                                | 41                        | Ot primry ca                     |
| 9                            | 1958                        | MALIG NEO SITE NEC                              | 41                        | Ot primry ca                     |
| 9                            | 1960                        | MAL NEO LYMPH-HEAD/NECK                         | 42                        | 2ndary malig                     |
| 9                            | 1961                        | MAL NEO LYMPH-INTRATHOR                         | 42                        | 2ndary malig                     |
| 9                            | 1962                        | MAL NEO LYMPH INTRA-ABD                         | 42                        | 2ndary malig                     |
| 9                            | 1963                        | MAL NEO LYMPH-AXILLA/ARM                        | 42                        | 2ndary malig                     |
| 9                            | 1965                        | MAL NEO LYMPH-INGUIN/LEG                        | 42                        | 2ndary malig                     |
| 9                            | 1966                        | MAL NEO LYMPH-INTRAPELV                         | 42                        | 2ndary malig                     |
| 9                            | 1968                        | MAL NEO LYMPH NODE-MULT                         | 42                        | 2ndary malig                     |
| 9                            | 1969                        | MAL NEO LYMPH NODE NOS                          | 42                        | 2ndary malig                     |
| 9                            | 1970                        | SECONDARY MALIG NEO LUNG                        | 42                        | 2ndary malig                     |
| 9                            | 1971                        | SEC MAL NEO MEDIASTINUM                         | 42                        | 2ndary malig                     |
| 9                            | 1972                        | SECOND MALIG NEO PLEURA                         | 42                        | 2ndary malig                     |
| 9                            | 1973                        | SEC MALIG NEO RESP NEC                          | 42                        | 2ndary malig                     |
| 9                            | 1974                        | SEC MALIG NEO SM BOWEL                          | 42                        | 2ndary malig                     |
| 9                            | 1975                        | SEC MALIG NEO LG BOWEL                          | 42                        | 2ndary malig                     |
| 9                            | 1976                        | SEC MAL NEO PERITONEUM                          | 42                        | 2ndary malig                     |
| 9                            | 1977                        | SECOND MALIG NEO LIVER                          | 42                        | 2ndary malig                     |
| 9                            | 1978                        | SEC MAL NEO GI NEC                              | 42                        | 2ndary malig                     |
| 9                            | 1980                        | SECOND MALIG NEO KIDNEY                         | 42                        | 2ndary malig                     |
| 9                            | 1981                        | SEC MALIG NEO URIN NEC                          | 42                        | 2ndary malig                     |
| 9                            | 1982                        | SECONDARY MALIG NEO SKIN                        | 42                        | 2ndary malig                     |
| 9                            | 1983                        | SEC MAL NEO BRAIN/SPINE                         | 42                        | 2ndary malig                     |
| 9                            | 1984                        | SEC MALIG NEO NERVE NEC                         | 42                        | 2ndary malig                     |
| 9                            | 1985                        | SECONDARY MALIG NEO BONE                        | 42                        | 2ndary malig                     |
| 9                            | 1986                        | SECOND MALIG NEO OVARY                          | 42                        | 2ndary malig                     |
| 9                            | 1987                        | SECOND MALIG NEO ADRENAL                        | 42                        | 2ndary malig                     |
| 9                            | 1990                        | MALIG NEO DISSEMINATED                          | 43                        | Malig neopls                     |
| 9                            | 1991                        | MALIGNANT NEOPLASM NOS                          | 43                        | Malig neopls                     |
| 9                            | 1992                        | MALIG NEOPL-TRANSP ORGAN (Begin 2008)           | 43                        | Malig neopls                     |
| 9                            | 2030                        | MULTIPLE MYELOMA (Begin 1980 End 1991)          | 40                        | Mult myeloma                     |
| 9                            | 2031                        | PLASMA CELL LEUKEMIA (Begin 1980 End 1991)      | 39                        | Leukemias                        |
| 9                            | 2038                        | IMMUNOPROLIFERAT NEO NEC (Begin 1980 End 1991)  | 40                        | Mult myeloma                     |
| 9                            | 2040                        | ACUTE LYMPHOID LEUKEMIA (Begin 1980 End 1991)   | 39                        | Leukemias                        |
| 9                            | 2041                        | CHR LYMPHOID LEUKEMIA (Begin 1980 End 1991)     | 39                        | Leukemias                        |
| 9                            | 2042                        | SUBAC LYMPHOID LEUKEMIA (Begin 1980 End 1991)   | 39                        | Leukemias                        |
| 9                            | 2048                        | LYMPHOID LEUKEMIA NEC (Begin 1980 End 1991)     | 39                        | Leukemias                        |
| 9                            | 2049                        | LYMPHOID LEUKEMIA NOS (Begin 1980 End 1991)     | 39                        | Leukemias                        |
| 9                            | 2050                        | ACUTE MYELOID LEUKEMIA (Begin 1980 End 1991)    | 39                        | Leukemias                        |
| 9                            | 2051                        | CHRONIC MYELOID LEUKEMIA (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2052                        | SUBACUT MYELOID LEUKEMIA (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2053                        | MYELOID SARCOMA (Begin 1980 End 1991)           | 39                        | Leukemias                        |
| 9                            | 2058                        | MYELOID LEUKEMIA NEC (Begin 1980 End 1991)      | 39                        | Leukemias                        |
| 9                            | 2059                        | MYELOID LEUKEMIA NOS (Begin 1980 End 1991)      | 39                        | Leukemias                        |
| 9                            | 2060                        | ACUTE MONOCYTTIC LEUKEMIA (Begin 1980 End 1991) | 39                        | Leukemias                        |
| 9                            | 2061                        | CHR MONOCYTTIC LEUKEMIA (Begin 1980 End 1991)   | 39                        | Leukemias                        |
| 9                            | 2062                        | SUBAC MONOCYTTIC LEUKEMIA (Begin 1980 End 1991) | 39                        | Leukemias                        |
| 9                            | 2068                        | MONOCYTTIC LEUKEMIA NEC (Begin 1980 End 1991)   | 39                        | Leukemias                        |
| 9                            | 2069                        | MONOCYTTIC LEUKEMIA NOS (Begin 1980 End 1991)   | 39                        | Leukemias                        |
| 9                            | 2070                        | ACUTE ERYTHREMIA (Begin 1980 End 1991)          | 39                        | Leukemias                        |
| 9                            | 2071                        | CHRONIC ERYTHREMIA (Begin 1980 End 1991)        | 39                        | Leukemias                        |
| 9                            | 2072                        | MEGAKARYOCYTTIC LEUKEMIA (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2078                        | SPECIFIED LEUKEMIA NEC (Begin 1980 End 1991)    | 39                        | Leukemias                        |
| 9                            | 2080                        | ACT LEUK UNS CL W/O RMSN (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2081                        | CHRONIC LEUKEMIA NOS (Begin 1980 End 1991)      | 39                        | Leukemias                        |
| 9                            | 2082                        | SUBACUTE LEUKEMIA NOS (Begin 1980 End 1991)     | 39                        | Leukemias                        |
| 9                            | 2088                        | LEUKEMIA-UNSPEC CELL NEC (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2089                        | LEUKEMIA-UNSPEC CELL NOS (Begin 1980 End 1991)  | 39                        | Leukemias                        |
| 9                            | 2300                        | CA IN SITU ORAL CAV/PHAR                        | 11                        | Hd/nck cancr                     |
| 9                            | 2301                        | CA IN SITU ESOPHAGUS                            | 12                        | Esoph cancer                     |
| 9                            | 2302                        | CA IN SITU STOMACH                              | 13                        | Stomch cancr                     |
| 9                            | 2303                        | CA IN SITU COLON                                | 14                        | Colon cancer                     |
| 9                            | 2304                        | CA IN SITU RECTUM                               | 15                        | Rctm/anus ca                     |
| 9                            | 2305                        | CA IN SITU ANAL CANAL                           | 15                        | Rctm/anus ca                     |
| 9                            | 2306                        | CA IN SITU ANUS NOS                             | 15                        | Rctm/anus ca                     |
| 9                            | 2307                        | CA IN SITU BOWEL NEC/NOS                        | 18                        | GI/perit can                     |
| 9                            | 2308                        | CA IN SITU LIVER/BILIARY                        | 16                        | Liver/ibd ca                     |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>            | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 9                            | 2309                        | CA IN SITU GI NEC/NOS                   | 18                        | GI/perit can                     |
| 9                            | 2310                        | CA IN SITU LARYNX                       | 11                        | Hd/nck cancr                     |
| 9                            | 2311                        | CA IN SITU TRACHEA                      | 20                        | Ot respir ca                     |
| 9                            | 2312                        | CA IN SITU BRONCHUS/LUNG                | 19                        | Brrnch/Ing ca                    |
| 9                            | 2318                        | CA IN SITU RESP SYS NEC                 | 20                        | Ot respir ca                     |
| 9                            | 2319                        | CA IN SITU RESP SYS NOS                 | 20                        | Ot respir ca                     |
| 9                            | 2320                        | CA IN SITU SKIN LIP                     | 23                        | Non-epith ca                     |
| 9                            | 2321                        | CA IN SITU EYELID                       | 23                        | Non-epith ca                     |
| 9                            | 2322                        | CA IN SITU SKIN EAR                     | 23                        | Non-epith ca                     |
| 9                            | 2323                        | CA IN SITU SKIN FACE NEC                | 23                        | Non-epith ca                     |
| 9                            | 2324                        | CA IN SITU SCALP                        | 23                        | Non-epith ca                     |
| 9                            | 2325                        | CA IN SITU SKIN TRUNK                   | 23                        | Non-epith ca                     |
| 9                            | 2326                        | CA IN SITU SKIN ARM                     | 23                        | Non-epith ca                     |
| 9                            | 2327                        | CA IN SITU SKIN LEG                     | 23                        | Non-epith ca                     |
| 9                            | 2328                        | CA IN SITU SKIN NEC                     | 23                        | Non-epith ca                     |
| 9                            | 2329                        | CA IN SITU SKIN NOS                     | 23                        | Non-epith ca                     |
| 9                            | 2330                        | CA IN SITU BREAST                       | 24                        | Breast cancr                     |
| 9                            | 2331                        | CA IN SITU CERVIX UTERI                 | 26                        | Cervix cancr                     |
| 9                            | 2332                        | CA IN SITU UTERUS NEC                   | 25                        | Uterus cancr                     |
| 9                            | 2333                        | CA IN SITU FEM GEN NEC (end 2007)       | 28                        | Fem genit ca                     |
| 9                            | 2334                        | CA IN SITU PROSTATE                     | 29                        | Prostate can                     |
| 9                            | 2335                        | CA IN SITU PENIS                        | 31                        | Mal genit ca                     |
| 9                            | 2336                        | CA IN SITU MALE GEN NEC                 | 31                        | Mal genit ca                     |
| 9                            | 2337                        | CA IN SITU BLADDER                      | 32                        | Bladder cancr                    |
| 9                            | 2339                        | CA IN SITU URINARY NEC                  | 34                        | Urinry org ca                    |
| 9                            | 2340                        | CA IN SITU EYE                          | 41                        | Ot primry ca                     |
| 9                            | 2348                        | CA IN SITU NEC                          | 41                        | Ot primry ca                     |
| 9                            | 2349                        | CA IN SITU NOS                          | 41                        | Ot primry ca                     |
| 9                            | 2350                        | UNC BEHAV NEO SALIVARY                  | 44                        | Neoplsm unsp                     |
| 9                            | 2351                        | UNC BEHAV NEO ORAL/PHAR                 | 44                        | Neoplsm unsp                     |
| 9                            | 2352                        | UNC BEHAV NEO INTESTINE                 | 44                        | Neoplsm unsp                     |
| 9                            | 2353                        | UNC BEHAV NEO LIVER                     | 44                        | Neoplsm unsp                     |
| 9                            | 2354                        | UNC BEHAV NEO PERITONEUM                | 44                        | Neoplsm unsp                     |
| 9                            | 2355                        | UNC BEHAV NEO GI NEC                    | 44                        | Neoplsm unsp                     |
| 9                            | 2356                        | UNC BEHAV NEO LARYNX                    | 44                        | Neoplsm unsp                     |
| 9                            | 2357                        | UNC BEHAV NEO LUNG                      | 44                        | Neoplsm unsp                     |
| 9                            | 2358                        | UNC BEHAV NEO PLEURA                    | 44                        | Neoplsm unsp                     |
| 9                            | 2359                        | UNC BEHAV NEO RESP NEC                  | 44                        | Neoplsm unsp                     |
| 9                            | 2360                        | UNCERT BEHAV NEO UTERUS                 | 44                        | Neoplsm unsp                     |
| 9                            | 2361                        | UNC BEHAV NEO PLACENTA                  | 44                        | Neoplsm unsp                     |
| 9                            | 2362                        | UNC BEHAV NEO OVARY                     | 44                        | Neoplsm unsp                     |
| 9                            | 2363                        | UNC BEHAV NEO FEMALE NEC                | 44                        | Neoplsm unsp                     |
| 9                            | 2364                        | UNC BEHAV NEO TESTIS                    | 44                        | Neoplsm unsp                     |
| 9                            | 2365                        | UNC BEHAV NEO PROSTATE                  | 44                        | Neoplsm unsp                     |
| 9                            | 2366                        | UNC BEHAV NEO MALE NEC                  | 44                        | Neoplsm unsp                     |
| 9                            | 2367                        | UNC BEHAV NEO BLADDER                   | 44                        | Neoplsm unsp                     |
| 9                            | 2370                        | UNC BEHAV NEO PITUITARY                 | 44                        | Neoplsm unsp                     |
| 9                            | 2371                        | UNC BEHAV NEO PINEAL                    | 44                        | Neoplsm unsp                     |
| 9                            | 2372                        | UNC BEHAV NEO ADRENAL                   | 44                        | Neoplsm unsp                     |
| 9                            | 2373                        | UNC BEHAV NEO PARAGANG                  | 44                        | Neoplsm unsp                     |
| 9                            | 2374                        | UNCER NEO ENDOCRINE NEC                 | 44                        | Neoplsm unsp                     |
| 9                            | 2375                        | UNC BEH NEO BRAIN/SPINAL                | 44                        | Neoplsm unsp                     |
| 9                            | 2376                        | UNC BEHAV NEO MENINGES                  | 44                        | Neoplsm unsp                     |
| 9                            | 2377                        | NEUROFIBROMATOSIS (Begin 1980 End 1990) | 44                        | Neoplsm unsp                     |
| 9                            | 2379                        | UNC BEH NEO NERV SYS NEC                | 44                        | Neoplsm unsp                     |
| 9                            | 2380                        | UNC BEHAV NEO BONE                      | 44                        | Neoplsm unsp                     |
| 9                            | 2381                        | UNC BEHAV NEO SOFT TISSU                | 44                        | Neoplsm unsp                     |
| 9                            | 2382                        | UNC BEHAV NEO SKIN                      | 44                        | Neoplsm unsp                     |
| 9                            | 2383                        | UNC BEHAV NEO BREAST                    | 44                        | Neoplsm unsp                     |
| 9                            | 2384                        | POLYCYTHEMIA VERA                       | 44                        | Neoplsm unsp                     |
| 9                            | 2385                        | MASTOCYTOMA NOS                         | 44                        | Neoplsm unsp                     |
| 9                            | 2386                        | PLASMACYTOMA NOS                        | 44                        | Neoplsm unsp                     |
| 9                            | 2387                        | LYMPHOPROLIFERAT DIS NOS                | 44                        | Neoplsm unsp                     |
| 9                            | 2388                        | UNCERT BEHAVIOR NEO NEC                 | 44                        | Neoplsm unsp                     |
| 9                            | 2389                        | UNCERT BEHAVIOR NEO NOS                 | 44                        | Neoplsm unsp                     |
| 9                            | 2390                        | DIGESTIVE NEOPLASM NOS                  | 44                        | Neoplsm unsp                     |
| 9                            | 2391                        | RESPIRATORY NEOPLASM NOS                | 44                        | Neoplsm unsp                     |
| 9                            | 2392                        | BONE/SKIN NEOPLASM NOS                  | 44                        | Neoplsm unsp                     |
| 9                            | 2393                        | BREAST NEOPLASM NOS                     | 44                        | Neoplsm unsp                     |
| 9                            | 2394                        | BLADDER NEOPLASM NOS                    | 44                        | Neoplsm unsp                     |
| 9                            | 2395                        | OTHER GU NEOPLASM NOS                   | 44                        | Neoplsm unsp                     |
| 9                            | 2396                        | BRAIN NEOPLASM NOS                      | 44                        | Neoplsm unsp                     |
| 9                            | 2397                        | ENDOCRINE/NERV NEO NOS                  | 44                        | Neoplsm unsp                     |
| 9                            | 2398                        | NEOPLASM NOS- SITE NEC (end 2009)       | 44                        | Neoplsm unsp                     |
| 9                            | 2399                        | NEOPLASM NOS                            | 44                        | Neoplsm unsp                     |
| 9                            | 7950                        | ABN PAP SMEAR-CERVIX (End 2002)         | 26                        | Cervix cancr                     |
| 9                            | 7951                        | ABN PAP SMEAR-OTH SITE (end 2008)       | 41                        | Ot primry ca                     |
| 9                            | 17300                       | Malig neopl skin lip NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17301                       | Basal cell ca skin lip (Begin 2011)     | 23                        | Non-epith ca                     |
| 9                            | 17302                       | Squamous cell ca skin lip (Begin 2011)  | 23                        | Non-epith ca                     |
| 9                            | 17309                       | Malig neo skin lip NEC (Begin 2011)     | 23                        | Non-epith ca                     |
| 9                            | 17310                       | Mal neo eyelid/canth NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17311                       | Basal cell ca lid/canth (Begin 2011)    | 23                        | Non-epith ca                     |
| 9                            | 17312                       | Squam cell ca lid/canth (Begin 2011)    | 23                        | Non-epith ca                     |
| 9                            | 17319                       | Mal neo eyelid/canth NEC (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17320                       | Malig neo skin ear NOS (Begin 2011)     | 23                        | Non-epith ca                     |
| 9                            | 17321                       | Basal cell ca skin ear (Begin 2011)     | 23                        | Non-epith ca                     |
| 9                            | 17322                       | Squam cell ca skin ear (Begin 2011)     | 23                        | Non-epith ca                     |
| 9                            | 17329                       | Neo skin ear/ex canl NEC (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17330                       | Mal neo skn face NEC/NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17331                       | Bsl cel skn face NEC/NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17332                       | Sqm cel skn face NEC/NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17339                       | Mal neo skn face NEC/NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17340                       | Mal neo sclp/skn nck NOS (Begin 2011)   | 23                        | Non-epith ca                     |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

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|------------------------------|-----------------------------|---------------------------------------|---------------------------|----------------------------------|
| 9                            | 17341                       | Bsl cell ca scalp/skn nk (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17342                       | Sqam cell ca sclp/skn nk (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17349                       | Mal neo sclp/skn nck NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17350                       | Malig neo skin trunk NOS (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17351                       | Basal cell ca skin trunk (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17352                       | Squam cell ca skin trunk (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17359                       | Malig neo skin trunk NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17360                       | Mal neo skin up limb NOS (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17361                       | Basal cell ca skn up lmb (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17362                       | Squam cell ca skn up lmb (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17369                       | Malig neo skn up lmb NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17370                       | Mal neo skn low limb NOS (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17371                       | Basl cell ca skn low lmb (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17372                       | Sqam cell ca skn low lmb (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17379                       | Mal neo skin low lmb NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17380                       | Mal neo skn site NEC/NOS (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17381                       | Bsl cell ca skn site NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17382                       | Sqm cell ca skn site NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17389                       | Oth mal neo skn site NEC (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 17390                       | Malig neo skin site NOS (Begin 2011)  | 23                        | Non-epith ca                     |
| 9                            | 17391                       | Basal cell ca skin NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17392                       | Squam cell ca skin NOS (Begin 2011)   | 23                        | Non-epith ca                     |
| 9                            | 17399                       | Oth mal neo skn site NOS (Begin 2011) | 23                        | Non-epith ca                     |
| 9                            | 19881                       | SECOND MALIG NEO BREAST               | 42                        | 2ndary malig                     |
| 9                            | 19882                       | SECOND MALIG NEO GENITAL              | 42                        | 2ndary malig                     |
| 9                            | 19889                       | SECONDARY MALIG NEO NEC               | 42                        | 2ndary malig                     |
| 9                            | 20000                       | RETICULOSARCOMA UNSPEC                | 38                        | Non-Hodg lym                     |
| 9                            | 20001                       | RETICULOSARCOMA HEAD                  | 38                        | Non-Hodg lym                     |
| 9                            | 20002                       | RETICULOSARCOMA THORAX                | 38                        | Non-Hodg lym                     |
| 9                            | 20003                       | RETICULOSARCOMA ABDOM                 | 38                        | Non-Hodg lym                     |
| 9                            | 20004                       | RETICULOSARCOMA AXILLA                | 38                        | Non-Hodg lym                     |
| 9                            | 20005                       | RETICULOSARCOMA INGUIN                | 38                        | Non-Hodg lym                     |
| 9                            | 20006                       | RETICULOSARCOMA PELVIC                | 38                        | Non-Hodg lym                     |
| 9                            | 20007                       | RETICULOSARCOMA SPLEEN                | 38                        | Non-Hodg lym                     |
| 9                            | 20008                       | RETICULOSARCOMA MULT                  | 38                        | Non-Hodg lym                     |
| 9                            | 20010                       | LYMPHOSARCOMA UNSPEC                  | 38                        | Non-Hodg lym                     |
| 9                            | 20011                       | LYMPHOSARCOMA HEAD                    | 38                        | Non-Hodg lym                     |
| 9                            | 20012                       | LYMPHOSARCOMA THORAX                  | 38                        | Non-Hodg lym                     |
| 9                            | 20013                       | LYMPHOSARCOMA ABDOM                   | 38                        | Non-Hodg lym                     |
| 9                            | 20014                       | LYMPHOSARCOMA AXILLA                  | 38                        | Non-Hodg lym                     |
| 9                            | 20015                       | LYMPHOSARCOMA INGUIN                  | 38                        | Non-Hodg lym                     |
| 9                            | 20016                       | LYMPHOSARCOMA PELVIC                  | 38                        | Non-Hodg lym                     |
| 9                            | 20017                       | LYMPHOSARCOMA SPLEEN                  | 38                        | Non-Hodg lym                     |
| 9                            | 20018                       | LYMPHOSARCOMA MULT                    | 38                        | Non-Hodg lym                     |
| 9                            | 20020                       | BURKITT-s TUMOR UNSPEC                | 38                        | Non-Hodg lym                     |
| 9                            | 20021                       | BURKITT-s TUMOR HEAD                  | 38                        | Non-Hodg lym                     |
| 9                            | 20022                       | BURKITT-s TUMOR THORAX                | 38                        | Non-Hodg lym                     |
| 9                            | 20023                       | BURKITT-s TUMOR ABDOM                 | 38                        | Non-Hodg lym                     |
| 9                            | 20024                       | BURKITT-s TUMOR AXILLA                | 38                        | Non-Hodg lym                     |
| 9                            | 20025                       | BURKITT-s TUMOR INGUIN                | 38                        | Non-Hodg lym                     |
| 9                            | 20026                       | BURKITT-s TUMOR PELVIC                | 38                        | Non-Hodg lym                     |
| 9                            | 20027                       | BURKITT-s TUMOR SPLEEN                | 38                        | Non-Hodg lym                     |
| 9                            | 20028                       | BURKITT-s TUMOR MULT                  | 38                        | Non-Hodg lym                     |
| 9                            | 20030                       | MARGNL ZONE LYM XTRNDL (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20031                       | MARGIN ZONE LYM HEAD (Begin 2007)     | 38                        | Non-Hodg lym                     |
| 9                            | 20032                       | MARGIN ZONE LYM THORAX (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20033                       | MARGIN ZONE LYM ABDOM (Begin 2007)    | 38                        | Non-Hodg lym                     |
| 9                            | 20034                       | MARGIN ZONE LYM AXILLA (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20035                       | MARGIN ZONE LYM INGUIN (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20036                       | MARGIN ZONE LYM PELVIC (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20037                       | MARGIN ZONE LYMPH SPLEEN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20038                       | MARGIN ZONE LYMPH MULTIP (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20040                       | MANTLE CELL LYM XTRNDL (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20041                       | MANTLE CELL LYMPH HEAD (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20042                       | MANTLE CELL LYMPH THORAX (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20043                       | MANTLE CELL LYMPH ABDOM (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20044                       | MANTLE CELL LYMPH AXILLA (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20045                       | MANTLE CELL LYMPH INGUIN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20046                       | MANTLE CELL LYMPH PELVIC (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20047                       | MANTLE CELL LYMPH SPLEEN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20048                       | MANTLE CELL LYMPH MULTIP (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20050                       | PRIMARY CNS LYMPH XTRNDL (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20051                       | PRIMARY CNS LYMPH HEAD (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20052                       | PRIMARY CNS LYMPH THORAX (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20053                       | PRIMARY CNS LYMPH ABDOM (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20054                       | PRIMARY CNS LYMPH AXILLA (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20055                       | PRIMARY CNS LYM INGUIN (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20056                       | PRIMARY CNS LYMPH PELVIC (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20057                       | PRIMARY CNS LYMPH SPLEEN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20058                       | PRIMARY CNS LYMPH MULTIP (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20060                       | ANAPLASTIC LYMPH XTRNDL (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20061                       | ANAPLASTIC LYMPH HEAD (Begin 2007)    | 38                        | Non-Hodg lym                     |
| 9                            | 20062                       | ANAPLASTIC LYMPH THORAX (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20063                       | ANAPLASTIC LYMPH ABDOM (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20064                       | ANAPLASTIC LYMPH AXILLA (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20065                       | ANAPLASTIC LYMPH INGUIN (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20066                       | ANAPLASTIC LYMPH PELVIC (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20067                       | ANAPLASTIC LYMPH SPLEEN (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20068                       | ANAPLASTIC LYMPH MULTIP (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20070                       | LARGE CELL LYMPH XTRNDL (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20071                       | LARGE CELL LYMPHOMA HEAD (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20072                       | LARGE CELL LYMPH THORAX (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20073                       | LARGE CELL LYMPH ABDOM (Begin 2007)   | 38                        | Non-Hodg lym                     |
| 9                            | 20074                       | LARGE CELL LYMPH AXILLA (Begin 2007)  | 38                        | Non-Hodg lym                     |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>         | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--------------------------------------|---------------------------|----------------------------------|
| 9                            | 20075                       | LARGE CELL LYMPH INGUIN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20076                       | LARGE CELL LYMPH PELVIC (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20077                       | LARGE CELL LYMPH SPLEEN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20078                       | LARGE CELL LYMPH MULTIP (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20080                       | MIXED LYMPHOSARC UNSPEC              | 38                        | Non-Hodg lym                     |
| 9                            | 20081                       | MIXED LYMPHOSARC HEAD                | 38                        | Non-Hodg lym                     |
| 9                            | 20082                       | MIXED LYMPHOSARC THORAX              | 38                        | Non-Hodg lym                     |
| 9                            | 20083                       | MIXED LYMPHOSARC ABDOM               | 38                        | Non-Hodg lym                     |
| 9                            | 20084                       | MIXED LYMPHOSARC AXILLA              | 38                        | Non-Hodg lym                     |
| 9                            | 20085                       | MIXED LYMPHOSARC INGUIN              | 38                        | Non-Hodg lym                     |
| 9                            | 20086                       | MIXED LYMPHOSARC PELVIC              | 38                        | Non-Hodg lym                     |
| 9                            | 20087                       | MIXED LYMPHOSARC SPLEEN              | 38                        | Non-Hodg lym                     |
| 9                            | 20088                       | MIXED LYMPHOSARC MULT                | 38                        | Non-Hodg lym                     |
| 9                            | 20100                       | HODGKINS PARAGRAN UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20101                       | HODGKINS PARAGRAN HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20102                       | HODGKINS PARAGRAN THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20103                       | HODGKINS PARAGRAN ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20104                       | HODGKINS PARAGRAN AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20105                       | HODGKINS PARAGRAN INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20106                       | HODGKINS PARAGRAN PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20107                       | HODGKINS PARAGRAN SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20108                       | HODGKINS PARAGRAN MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20110                       | HODGKINS GRANULOM UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20111                       | HODGKINS GRANULOM HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20112                       | HODGKINS GRANULOM THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20113                       | HODGKINS GRANULOM ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20114                       | HODGKINS GRANULOM AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20115                       | HODGKINS GRANULOM INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20116                       | HODGKINS GRANULOM PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20117                       | HODGKINS GRANULOM SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20118                       | HODGKINS GRANULOM MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20120                       | HODGKINS SARCOMA UNSPEC              | 37                        | Hodgkin-s ds                     |
| 9                            | 20121                       | HODGKINS SARCOMA HEAD                | 37                        | Hodgkin-s ds                     |
| 9                            | 20122                       | HODGKINS SARCOMA THORAX              | 37                        | Hodgkin-s ds                     |
| 9                            | 20123                       | HODGKINS SARCOMA ABDOM               | 37                        | Hodgkin-s ds                     |
| 9                            | 20124                       | HODGKINS SARCOMA AXILLA              | 37                        | Hodgkin-s ds                     |
| 9                            | 20125                       | HODGKINS SARCOMA INGUIN              | 37                        | Hodgkin-s ds                     |
| 9                            | 20126                       | HODGKINS SARCOMA PELVIC              | 37                        | Hodgkin-s ds                     |
| 9                            | 20127                       | HODGKINS SARCOMA SPLEEN              | 37                        | Hodgkin-s ds                     |
| 9                            | 20128                       | HODGKINS SARCOMA MULT                | 37                        | Hodgkin-s ds                     |
| 9                            | 20140                       | HODG LYMPH-HISTIO UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20141                       | HODG LYMPH-HISTIO HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20142                       | HODG LYMPH-HISTIO THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20143                       | HODG LYMPH-HISTIO ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20144                       | HODG LYMPH-HISTIO AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20145                       | HODG LYMPH-HISTIO INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20146                       | HODG LYMPH-HISTIO PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20147                       | HODG LYMPH-HISTIO SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20148                       | HODG LYMPH-HISTIO MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20150                       | HODG NODUL SCLERO UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20151                       | HODG NODUL SCLERO HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20152                       | HODG NODUL SCLERO THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20153                       | HODG NODUL SCLERO ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20154                       | HODG NODUL SCLERO AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20155                       | HODG NODUL SCLERO INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20156                       | HODG NODUL SCLERO PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20157                       | HODG NODUL SCLERO SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20158                       | HODG NODUL SCLERO MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20160                       | HODGKINS MIX CELL UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20161                       | HODGKINS MIX CELL HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20162                       | HODGKINS MIX CELL THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20163                       | HODGKINS MIX CELL ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20164                       | HODGKINS MIX CELL AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20165                       | HODGKINS MIX CELL INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20166                       | HODGKINS MIX CELL PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20167                       | HODGKINS MIX CELL SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20168                       | HODGKINS MIX CELL MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20170                       | HODG LYMPH DEPLET UNSPEC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20171                       | HODG LYMPH DEPLET HEAD               | 37                        | Hodgkin-s ds                     |
| 9                            | 20172                       | HODG LYMPH DEPLET THORAX             | 37                        | Hodgkin-s ds                     |
| 9                            | 20173                       | HODG LYMPH DEPLET ABDOM              | 37                        | Hodgkin-s ds                     |
| 9                            | 20174                       | HODG LYMPH DEPLET AXILLA             | 37                        | Hodgkin-s ds                     |
| 9                            | 20175                       | HODG LYMPH DEPLET INGUIN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20176                       | HODG LYMPH DEPLET PELVIC             | 37                        | Hodgkin-s ds                     |
| 9                            | 20177                       | HODG LYMPH DEPLET SPLEEN             | 37                        | Hodgkin-s ds                     |
| 9                            | 20178                       | HODG LYMPH DEPLET MULT               | 37                        | Hodgkin-s ds                     |
| 9                            | 20190                       | HODGKINS DIS NOS UNSPEC              | 37                        | Hodgkin-s ds                     |
| 9                            | 20191                       | HODGKINS DIS NOS HEAD                | 37                        | Hodgkin-s ds                     |
| 9                            | 20192                       | HODGKINS DIS NOS THORAX              | 37                        | Hodgkin-s ds                     |
| 9                            | 20193                       | HODGKINS DIS NOS ABDOM               | 37                        | Hodgkin-s ds                     |
| 9                            | 20194                       | HODGKINS DIS NOS AXILLA              | 37                        | Hodgkin-s ds                     |
| 9                            | 20195                       | HODGKINS DIS NOS INGUIN              | 37                        | Hodgkin-s ds                     |
| 9                            | 20196                       | HODGKINS DIS NOS PELVIC              | 37                        | Hodgkin-s ds                     |
| 9                            | 20197                       | HODGKINS DIS NOS SPLEEN              | 37                        | Hodgkin-s ds                     |
| 9                            | 20198                       | HODGKINS DIS NOS MULT                | 37                        | Hodgkin-s ds                     |
| 9                            | 20200                       | NODULAR LYMPHOMA UNSPEC              | 38                        | Non-Hodg lym                     |
| 9                            | 20201                       | NODULAR LYMPHOMA HEAD                | 38                        | Non-Hodg lym                     |
| 9                            | 20202                       | NODULAR LYMPHOMA THORAX              | 38                        | Non-Hodg lym                     |
| 9                            | 20203                       | NODULAR LYMPHOMA ABDOM               | 38                        | Non-Hodg lym                     |
| 9                            | 20204                       | NODULAR LYMPHOMA AXILLA              | 38                        | Non-Hodg lym                     |
| 9                            | 20205                       | NODULAR LYMPHOMA INGUIN              | 38                        | Non-Hodg lym                     |
| 9                            | 20206                       | NODULAR LYMPHOMA PELVIC              | 38                        | Non-Hodg lym                     |
| 9                            | 20207                       | NODULAR LYMPHOMA SPLEEN              | 38                        | Non-Hodg lym                     |
| 9                            | 20208                       | NODULAR LYMPHOMA MULT                | 38                        | Non-Hodg lym                     |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>          | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---------------------------------------|---------------------------|----------------------------------|
| 9                            | 20210                       | MYCOSIS FUNGOIDES UNSPEC              | 38                        | Non-Hodg lym                     |
| 9                            | 20211                       | MYCOSIS FUNGOIDES HEAD                | 38                        | Non-Hodg lym                     |
| 9                            | 20212                       | MYCOSIS FUNGOIDES THORAX              | 38                        | Non-Hodg lym                     |
| 9                            | 20213                       | MYCOSIS FUNGOIDES ABDOM               | 38                        | Non-Hodg lym                     |
| 9                            | 20214                       | MYCOSIS FUNGOIDES AXILLA              | 38                        | Non-Hodg lym                     |
| 9                            | 20215                       | MYCOSIS FUNGOIDES INGUIN              | 38                        | Non-Hodg lym                     |
| 9                            | 20216                       | MYCOSIS FUNGOIDES PELVIC              | 38                        | Non-Hodg lym                     |
| 9                            | 20217                       | MYCOSIS FUNGOIDES SPLEEN              | 38                        | Non-Hodg lym                     |
| 9                            | 20218                       | MYCOSIS FUNGOIDES MULT                | 38                        | Non-Hodg lym                     |
| 9                            | 20220                       | SEZARY-S DISEASE UNSPEC               | 38                        | Non-Hodg lym                     |
| 9                            | 20221                       | SEZARY-S DISEASE HEAD                 | 38                        | Non-Hodg lym                     |
| 9                            | 20222                       | SEZARY-S DISEASE THORAX               | 38                        | Non-Hodg lym                     |
| 9                            | 20223                       | SEZARY-S DISEASE ABDOM                | 38                        | Non-Hodg lym                     |
| 9                            | 20224                       | SEZARY-S DISEASE AXILLA               | 38                        | Non-Hodg lym                     |
| 9                            | 20225                       | SEZARY-S DISEASE INGUIN               | 38                        | Non-Hodg lym                     |
| 9                            | 20226                       | SEZARY-S DISEASE PELVIC               | 38                        | Non-Hodg lym                     |
| 9                            | 20227                       | SEZARY-S DISEASE SPLEEN               | 38                        | Non-Hodg lym                     |
| 9                            | 20228                       | SEZARY-S DISEASE MULT                 | 38                        | Non-Hodg lym                     |
| 9                            | 20230                       | MAL HISTIOCYTOSIS UNSPEC              | 41                        | Ot primry ca                     |
| 9                            | 20231                       | MAL HISTIOCYTOSIS HEAD                | 41                        | Ot primry ca                     |
| 9                            | 20232                       | MAL HISTIOCYTOSIS THORAX              | 41                        | Ot primry ca                     |
| 9                            | 20233                       | MAL HISTIOCYTOSIS ABDOM               | 41                        | Ot primry ca                     |
| 9                            | 20234                       | MAL HISTIOCYTOSIS AXILLA              | 41                        | Ot primry ca                     |
| 9                            | 20235                       | MAL HISTIOCYTOSIS INGUIN              | 41                        | Ot primry ca                     |
| 9                            | 20236                       | MAL HISTIOCYTOSIS PELVIC              | 41                        | Ot primry ca                     |
| 9                            | 20237                       | MAL HISTIOCYTOSIS SPLEEN              | 41                        | Ot primry ca                     |
| 9                            | 20238                       | MAL HISTIOCYTOSIS MULT                | 41                        | Ot primry ca                     |
| 9                            | 20240                       | HAIRY-CELL LEUKEM UNSPEC              | 39                        | Leukemias                        |
| 9                            | 20241                       | HAIRY-CELL LEUKEM HEAD                | 39                        | Leukemias                        |
| 9                            | 20242                       | HAIRY-CELL LEUKEM THORAX              | 39                        | Leukemias                        |
| 9                            | 20243                       | HAIRY-CELL LEUKEM ABDOM               | 39                        | Leukemias                        |
| 9                            | 20244                       | HAIRY-CELL LEUKEM AXILLA              | 39                        | Leukemias                        |
| 9                            | 20245                       | HAIRY-CELL LEUKEM INGUIN              | 39                        | Leukemias                        |
| 9                            | 20246                       | HAIRY-CELL LEUKEM PELVIC              | 39                        | Leukemias                        |
| 9                            | 20247                       | HAIRY-CELL LEUKEM SPLEEN              | 39                        | Leukemias                        |
| 9                            | 20248                       | HAIRY-CELL LEUKEM MULT                | 39                        | Leukemias                        |
| 9                            | 20250                       | LETTERER-SIWE DIS UNSPEC              | 41                        | Ot primry ca                     |
| 9                            | 20251                       | LETTERER-SIWE DIS HEAD                | 41                        | Ot primry ca                     |
| 9                            | 20252                       | LETTERER-SIWE DIS THORAX              | 41                        | Ot primry ca                     |
| 9                            | 20253                       | LETTERER-SIWE DIS ABDOM               | 41                        | Ot primry ca                     |
| 9                            | 20254                       | LETTERER-SIWE DIS AXILLA              | 41                        | Ot primry ca                     |
| 9                            | 20255                       | LETTERER-SIWE DIS INGUIN              | 41                        | Ot primry ca                     |
| 9                            | 20256                       | LETTERER-SIWE DIS PELVIC              | 41                        | Ot primry ca                     |
| 9                            | 20257                       | LETTERER-SIWE DIS SPLEEN              | 41                        | Ot primry ca                     |
| 9                            | 20258                       | LETTERER-SIWE DIS MULT                | 41                        | Ot primry ca                     |
| 9                            | 20260                       | MAL MASTOCYTOSIS UNSPEC               | 41                        | Ot primry ca                     |
| 9                            | 20261                       | MAL MASTOCYTOSIS HEAD                 | 41                        | Ot primry ca                     |
| 9                            | 20262                       | MAL MASTOCYTOSIS THORAX               | 41                        | Ot primry ca                     |
| 9                            | 20263                       | MAL MASTOCYTOSIS ABDOM                | 41                        | Ot primry ca                     |
| 9                            | 20264                       | MAL MASTOCYTOSIS AXILLA               | 41                        | Ot primry ca                     |
| 9                            | 20265                       | MAL MASTOCYTOSIS INGUIN               | 41                        | Ot primry ca                     |
| 9                            | 20266                       | MAL MASTOCYTOSIS PELVIC               | 41                        | Ot primry ca                     |
| 9                            | 20267                       | MAL MASTOCYTOSIS SPLEEN               | 41                        | Ot primry ca                     |
| 9                            | 20268                       | MAL MASTOCYTOSIS MULT                 | 41                        | Ot primry ca                     |
| 9                            | 20270                       | PERIPH T CELL LYM XTRNDL (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20271                       | PERIPH T CELL LYMPH HEAD (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20272                       | PERIPH T CELL LYM THORAX (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20273                       | PERIPH T CELL LYM ABDOM (Begin 2007)  | 38                        | Non-Hodg lym                     |
| 9                            | 20274                       | PERIPH T CELL LYM AXILLA (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20275                       | PERIPH T CELL LYM INGUIN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20276                       | PERIPH T CELL LYM PELVIC (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20277                       | PERIPH T CELL LYM SPLEEN (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20278                       | PERIPH T CELL LYM MULTIP (Begin 2007) | 38                        | Non-Hodg lym                     |
| 9                            | 20280                       | LYMPHOMA NEC UNSPEC SITE              | 38                        | Non-Hodg lym                     |
| 9                            | 20281                       | LYMPHOMAS NEC HEAD                    | 38                        | Non-Hodg lym                     |
| 9                            | 20282                       | LYMPHOMAS NEC THORAX                  | 38                        | Non-Hodg lym                     |
| 9                            | 20283                       | LYMPHOMAS NEC ABDOM                   | 38                        | Non-Hodg lym                     |
| 9                            | 20284                       | LYMPHOMAS NEC AXILLA                  | 38                        | Non-Hodg lym                     |
| 9                            | 20285                       | LYMPHOMAS NEC INGUIN                  | 38                        | Non-Hodg lym                     |
| 9                            | 20286                       | LYMPHOMAS NEC PELVIC                  | 38                        | Non-Hodg lym                     |
| 9                            | 20287                       | LYMPHOMAS NEC SPLEEN                  | 38                        | Non-Hodg lym                     |
| 9                            | 20288                       | LYMPHOMAS NEC MULT                    | 38                        | Non-Hodg lym                     |
| 9                            | 20290                       | LYMPHOID MAL NEC UNSPEC               | 38                        | Non-Hodg lym                     |
| 9                            | 20291                       | LYMPHOID MAL NEC HEAD                 | 38                        | Non-Hodg lym                     |
| 9                            | 20292                       | LYMPHOID MAL NEC THORAX               | 38                        | Non-Hodg lym                     |
| 9                            | 20293                       | LYMPHOID MAL NEC ABDOM                | 38                        | Non-Hodg lym                     |
| 9                            | 20294                       | LYMPHOID MAL NEC AXILLA               | 38                        | Non-Hodg lym                     |
| 9                            | 20295                       | LYMPHOID MAL NEC INGUIN               | 38                        | Non-Hodg lym                     |
| 9                            | 20296                       | LYMPHOID MAL NEC PELVIC               | 38                        | Non-Hodg lym                     |
| 9                            | 20297                       | LYMPHOID MAL NEC SPLEEN               | 38                        | Non-Hodg lym                     |
| 9                            | 20298                       | LYMPHOID MAL NEC MULT                 | 38                        | Non-Hodg lym                     |
| 9                            | 20300                       | MULT MYELM W/O REMISSION (Begin 1991) | 40                        | Mult myeloma                     |
| 9                            | 20301                       | MULT MYELM W REMISSION (Begin 1991)   | 40                        | Mult myeloma                     |
| 9                            | 20302                       | MULT MYELOMA IN RELAPSE (Begin 2008)  | 40                        | Mult myeloma                     |
| 9                            | 20310                       | PLSM CELL LEUK W/O RMSON (Begin 1991) | 39                        | Leukemias                        |
| 9                            | 20311                       | PLSM CELL LEUK W RMSON (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20312                       | PLSM CEL LEUK IN RELAPSE (Begin 2008) | 39                        | Leukemias                        |
| 9                            | 20380                       | OTH IMNPRFL NPL W/O RMSN (Begin 1991) | 40                        | Mult myeloma                     |
| 9                            | 20381                       | OTH IMNPRFL NPL W RMSN (Begin 1991)   | 40                        | Mult myeloma                     |
| 9                            | 20382                       | OTH IMNPRFL NEO-RELAPSE (Begin 2008)  | 40                        | Mult myeloma                     |
| 9                            | 20400                       | ACT LYM LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20401                       | ACT LYM LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20402                       | ACT LYMP LEUK IN RELAPSE (Begin 2008) | 39                        | Leukemias                        |
| 9                            | 20410                       | CHR LYM LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |

**A list of ICD-9 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>           | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 9                            | 20411                       | CHR LYM LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20412                       | CHR LYMP LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20420                       | SBAC LYM LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20421                       | SBAC LYM LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20422                       | SBAC LYM LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20480                       | OTH LYM LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20481                       | OTH LYM LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20482                       | OTH LYM LEUK IN RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20490                       | UNS LYM LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20491                       | UNS LYM LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20492                       | LYMP LEUK NOS RELAPSE (Begin 2008)     | 39                        | Leukemias                        |
| 9                            | 20500                       | ACT MYL LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20501                       | ACT MYL LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20502                       | ACT MYEL LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20510                       | CHR MYL LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20511                       | CHR MYL LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20512                       | CHR MYEL LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20520                       | SBAC MYL LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20521                       | SBAC MYL LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20522                       | SBAC MYL LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20530                       | MYL SRCOMA W/O RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20531                       | MYL SRCOMA W RMSION (Begin 1991)       | 39                        | Leukemias                        |
| 9                            | 20532                       | MYEL SARCOMA IN RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20580                       | OTH MYL LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20581                       | OTH MYL LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20582                       | OTH MYEL LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20590                       | UNS MYL LEUK W/O RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20591                       | UNS MYL LEUK W RMSION (Begin 1991)     | 39                        | Leukemias                        |
| 9                            | 20592                       | MYEL LEUK NOS IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20600                       | ACT MONO LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20601                       | ACT MONO LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20602                       | ACT MONO LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20610                       | CHR MONO LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20611                       | CHR MONO LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20612                       | CHR MONO LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20620                       | SBAC MONO LEUK W/O RMSION (Begin 1991) | 39                        | Leukemias                        |
| 9                            | 20621                       | SBAC MONO LEUK W RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20622                       | SBAC MONO LEU IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20680                       | OTH MONO LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20681                       | OTH MONO LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20682                       | OTH MONO LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20690                       | UNS MONO LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20691                       | UNS MONO LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20692                       | MONO LEUK NOS RELAPSE (Begin 2008)     | 39                        | Leukemias                        |
| 9                            | 20700                       | ACT ERTH/ERYLK W/O RMSION (Begin 1991) | 39                        | Leukemias                        |
| 9                            | 20701                       | ACT ERTH/ERYLK W RMSION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20702                       | AC ERTH/ERYLK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20710                       | CHR ERYTHRM W/O REMISION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20711                       | CHR ERYTHRM W REMISION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20712                       | CHR ERYTHRMIA IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20720                       | MGKRYCYT LEUK W/O RMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20721                       | MGKRYCYT LEUK W RMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20722                       | MGKRYCYT LEUK IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20780                       | OTH SPF LEUK W/O REMSION (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20781                       | OTH SPF LEUK W REMSION (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20782                       | OTH SPF LEUK IN RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20800                       | ACT LEUK UNS CL W/O RMSN (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20801                       | ACT LEUK UNS CL W RMSN (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20802                       | AC LEUK UNS CL RELAPSE (Begin 2008)    | 39                        | Leukemias                        |
| 9                            | 20810                       | CHR LEUK UNS CL W/O RMSN (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20811                       | CHR LEUK UNS CL W RMSN (Begin 1991)    | 39                        | Leukemias                        |
| 9                            | 20812                       | CH LEU UNS CL IN RELAPSE (Begin 2008)  | 39                        | Leukemias                        |
| 9                            | 20820                       | SBAC LEUK UNS CL W/O RMS (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20821                       | SBAC LEUK UNS CL W RMSON (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20822                       | SBAC LEU UNS CL-RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20880                       | OTH LEUK UNS CL W/O RMSN (Begin 1991)  | 39                        | Leukemias                        |
| 9                            | 20881                       | OTH LEUK UNS CL W RMSON (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20882                       | OTH LEUK UNS CL-RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20890                       | LEUKEMIA NOS W/O REMISION (Begin 1991) | 39                        | Leukemias                        |
| 9                            | 20891                       | LEUKEMIA NOS W REMISION (Begin 1991)   | 39                        | Leukemias                        |
| 9                            | 20892                       | LEUKEMIA NOS IN RELAPSE (Begin 2008)   | 39                        | Leukemias                        |
| 9                            | 20900                       | MAL CRNCND SM INTST NOS (Begin 2008)   | 18                        | GI/perit can                     |
| 9                            | 20901                       | MALIG CARCINOID DUODENUM (Begin 2008)  | 18                        | GI/perit can                     |
| 9                            | 20902                       | MALIG CARCINOID JEJUNUM (Begin 2008)   | 18                        | GI/perit can                     |
| 9                            | 20903                       | MALIG CARCINOID ILEUM (Begin 2008)     | 18                        | GI/perit can                     |
| 9                            | 20910                       | MAL CRNCND LG INTST NOS (Begin 2008)   | 14                        | Colon cancer                     |
| 9                            | 20911                       | MALIG CARCINOID APPENDIX (Begin 2008)  | 14                        | Colon cancer                     |
| 9                            | 20912                       | MALIG CARCINOID CECUM (Begin 2008)     | 14                        | Colon cancer                     |
| 9                            | 20913                       | MAL CRNCND ASCEND COLON (Begin 2008)   | 14                        | Colon cancer                     |
| 9                            | 20914                       | MAL CRNCND TRANSV COLON (Begin 2008)   | 14                        | Colon cancer                     |
| 9                            | 20915                       | MAL CARCINOID DESC COLON (Begin 2008)  | 14                        | Colon cancer                     |
| 9                            | 20916                       | MAL CARCINOID SIG COLON (Begin 2008)   | 14                        | Colon cancer                     |
| 9                            | 20917                       | MALIG CARCINOID RECTUM (Begin 2008)    | 15                        | Rctm/anus ca                     |
| 9                            | 20920                       | MAL CRNCND PRIM SITE UNKN (Begin 2008) | 43                        | Malig neopls                     |
| 9                            | 20921                       | MAL CARCINOID BRONC/LUNG (Begin 2008)  | 19                        | Brnch/Ing ca                     |
| 9                            | 20922                       | MALIG CARCINOID THYMUS (Begin 2008)    | 41                        | Ot primry ca                     |
| 9                            | 20923                       | MALIG CARCINOID STOMACH (Begin 2008)   | 13                        | Stomch cancr                     |
| 9                            | 20924                       | MALIG CARCINOID KIDNEY (Begin 2008)    | 33                        | Kidny/rnl ca                     |
| 9                            | 20925                       | MAL CARCNOID FOREGUT NOS (Begin 2008)  | 41                        | Ot primry ca                     |
| 9                            | 20926                       | MAL CARCINOID MIDGUT NOS (Begin 2008)  | 41                        | Ot primry ca                     |
| 9                            | 20927                       | MAL CARCNOID HINDGUT NOS (Begin 2008)  | 41                        | Ot primry ca                     |
| 9                            | 20929                       | MALIG CARCINOID OTH SITE (Begin 2008)  | 43                        | Malig neopls                     |
| 9                            | 20930                       | MALIG NEUROENDO CA NOS (Begin 2008)    | 43                        | Malig neopls                     |
| 9                            | 20931                       | Merkel cell ca-face (Begin 2009)       | 23                        | Non-epith ca                     |

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| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                        | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 9                            | 20932                       | Merkel cell ca-sclp/neck (Begin 2009)               | 23                        | Non-epith ca                     |
| 9                            | 20933                       | Merkel cell ca-up limb (Begin 2009)                 | 23                        | Non-epith ca                     |
| 9                            | 20934                       | Merkel cell ca-low limb (Begin 2009)                | 23                        | Non-epith ca                     |
| 9                            | 20935                       | Merkel cell ca-trunk (Begin 2009)                   | 23                        | Non-epith ca                     |
| 9                            | 20936                       | Merkel cell ca-oth sites (Begin 2009)               | 23                        | Non-epith ca                     |
| 9                            | 20970                       | Sec neuroendo tumor NOS (Begin 2009)                | 43                        | Malig neopls                     |
| 9                            | 20971                       | Sec neuroendo tu dist lym (Begin 2009)              | 42                        | 2ndary malig                     |
| 9                            | 20972                       | Sec neuroendo tumor-liver (Begin 2009)              | 42                        | 2ndary malig                     |
| 9                            | 20973                       | Sec neuroendo tumor-bone (Begin 2009)               | 42                        | 2ndary malig                     |
| 9                            | 20974                       | Sec neuroendo tu-periton (Begin 2009)               | 42                        | 2ndary malig                     |
| 9                            | 20975                       | Secondary Merkel cell ca (Begin 2009)               | 43                        | Malig neopls                     |
| 9                            | 20979                       | Sec neuroendo tu oth site (Begin 2009)              | 43                        | Malig neopls                     |
| 9                            | 23330                       | CA IN SITU FEM GEN NOS (Begin 2007)                 | 28                        | Fem genit ca                     |
| 9                            | 23331                       | CARCINOMA IN SITU VAGINA (Begin 2007)               | 28                        | Fem genit ca                     |
| 9                            | 23332                       | CARCINOMA IN SITU VULVA (Begin 2007)                | 28                        | Fem genit ca                     |
| 9                            | 23339                       | CA IN SITU FEM GEN NEC (Begin 2007)                 | 28                        | Fem genit ca                     |
| 9                            | 23690                       | UNC BEHAV NEO URINAR NOS                            | 44                        | Neoplsm unsp                     |
| 9                            | 23691                       | UNC BEHAV NEO KIDNEY                                | 44                        | Neoplsm unsp                     |
| 9                            | 23699                       | UNC BEHAV NEO URINAR NEC                            | 44                        | Neoplsm unsp                     |
| 9                            | 23770                       | NEUROFIBROMATOSIS NOS (Begin 1990)                  | 44                        | Neoplsm unsp                     |
| 9                            | 23771                       | NEUROFIBROMATOSIS TYPE I (Begin 1990)               | 44                        | Neoplsm unsp                     |
| 9                            | 23772                       | NEUROFIBROMATOSIS TYP II (Begin 1990)               | 44                        | Neoplsm unsp                     |
| 9                            | 23773                       | Schwannomatosis (Begin 2010)                        | 44                        | Neoplsm unsp                     |
| 9                            | 23779                       | Neurofibromatosis NEC (Begin 2010)                  | 44                        | Neoplsm unsp                     |
| 9                            | 23871                       | ESSNTIAL THROMBOCYTHEMIA (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23872                       | LOW GRDE MYELODY SYN LES (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23873                       | HI GRDE MYELODY SYN LES (Begin 2006)                | 44                        | Neoplsm unsp                     |
| 9                            | 23874                       | MYELODYSPLS SYN W 5Q DEL (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23875                       | MYELODYSPLASTIC SYND NOS (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23876                       | MYELOFI W MYELO METAPLAS (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23877                       | POST TP LYMPHPROLIF DIS (Begin 2008)                | 44                        | Neoplsm unsp                     |
| 9                            | 23879                       | LYMPH/HEMATPOITC TIS NEC (Begin 2006)               | 44                        | Neoplsm unsp                     |
| 9                            | 23981                       | Neo retina/choroid NOS (Begin 2009)                 | 44                        | Neoplsm unsp                     |
| 9                            | 23989                       | Neoplasm other sites NOS (Begin 2009)               | 44                        | Neoplsm unsp                     |
| 9                            | 25802                       | MULT ENDO NEOP TYPE IIA (Begin 2007)                | 36                        | Thyroid cncr                     |
| 9                            | 25803                       | MULT ENDO NEOP TYPE IIB (Begin 2007)                | 36                        | Thyroid cncr                     |
| 9                            | 51181                       | MALIGNANT PLEURAL EFFUSN (Begin 2008)               | 42                        | 2ndary malig                     |
| 9                            | 78951                       | MALIGNANT ASCITES (Begin 2007)                      | 42                        | 2ndary malig                     |
| 9                            | 79501                       | ATYPIC SQUAMOUS CELL CHG ASCUS/BENIGN (Begin 2002)  | 26                        | Cervix cncr                      |
| 9                            | 79502                       | ATYPIC SQUAMOUS CELL CHG ASCUS/DYSPLAS (Begin 2002) | 26                        | Cervix cncr                      |
| 9                            | 79503                       | PAP SMEAR CERVIX W LGSIL (Begin 2004)               | 26                        | Cervix cncr                      |
| 9                            | 79504                       | PAP SMEAR CERVIX W HGSIL (Begin 2004)               | 26                        | Cervix cncr                      |
| 9                            | 79506                       | PAP SMR CYTOL EVID MALIG (Begin 2006)               | 26                        | Cervix cncr                      |
| 9                            | 79510                       | ABN GLAND PAP SMR VAGINA (Begin 2008)               | 41                        | Ot primry ca                     |
| 9                            | 79511                       | PAP SMEAR VAG W ASC-US (Begin 2008)                 | 41                        | Ot primry ca                     |
| 9                            | 79512                       | PAP SMEAR VAGINA W ASC-H (Begin 2008)               | 41                        | Ot primry ca                     |
| 9                            | 79513                       | PAP SMEAR VAGINA W LGSIL (Begin 2008)               | 41                        | Ot primry ca                     |
| 9                            | 79514                       | PAP SMEAR VAGINA W HGSIL (Begin 2008)               | 41                        | Ot primry ca                     |
| 9                            | 79516                       | PAP SMR VAG-CYTOL MALIG (Begin 2008)                | 28                        | Fem genit ca                     |
| 9                            | 79670                       | ABN GLAND PAP SMEAR ANUS (Begin 2008)               | 15                        | Rctm/anus ca                     |
| 9                            | 79671                       | PAP SMEAR ANUS W ASC-US (Begin 2008)                | 15                        | Rctm/anus ca                     |
| 9                            | 79672                       | PAP SMEAR ANUS W ASC-H (Begin 2008)                 | 15                        | Rctm/anus ca                     |
| 9                            | 79673                       | PAP SMEAR ANUS W LGSIL (Begin 2008)                 | 15                        | Rctm/anus ca                     |
| 9                            | 79674                       | PAP SMEAR ANUS W HGSIL (Begin 2008)                 | 15                        | Rctm/anus ca                     |
| 9                            | 79676                       | PAP SMR ANUS-CYTOL MALIG (Begin 2008)               | 15                        | Rctm/anus ca                     |
| 9                            | V1000                       | HX OF GI MALIGNANCY NOS                             | 18                        | GI/perit can                     |
| 9                            | V1001                       | HX OF TONGUE MALIGNANCY                             | 11                        | Hd/nck cncr                      |
| 9                            | V1002                       | HX-ORAL/PHARYNX MALG NEC                            | 11                        | Hd/nck cncr                      |
| 9                            | V1003                       | HX-ESOPHAGEAL MALIGNANCY                            | 12                        | Esoph cancer                     |
| 9                            | V1004                       | HX OF GASTRIC MALIGNANCY                            | 13                        | Stomch cncr                      |
| 9                            | V1005                       | HX OF COLONIC MALIGNANCY                            | 14                        | Colon cancer                     |
| 9                            | V1006                       | HX-RECTAL & ANAL MALIGN                             | 15                        | Rctm/anus ca                     |
| 9                            | V1007                       | HX OF LIVER MALIGNANCY                              | 16                        | Liver/ibd ca                     |
| 9                            | V1009                       | HX OF GI MALIGNANCY NEC                             | 18                        | GI/perit can                     |
| 9                            | V1011                       | HX-BRONCHOGENIC MALIGNAN                            | 19                        | Brnch/Ing ca                     |
| 9                            | V1012                       | HX-TRACHEAL MALIGNANCY                              | 20                        | Ot respir ca                     |
| 9                            | V1020                       | HX-RESP ORG MALIGNAN NOS                            | 20                        | Ot respir ca                     |
| 9                            | V1021                       | HX-LARYNGEAL MALIGNANCY                             | 11                        | Hd/nck cncr                      |
| 9                            | V1022                       | HX-NOSE/EAR/SINUS MALIG                             | 20                        | Ot respir ca                     |
| 9                            | V1029                       | HX-INTRATHORACIC MAL NEC                            | 41                        | Ot primry ca                     |
| 9                            | V103                        | HX OF BREAST MALIGNANCY                             | 24                        | Breast cncr                      |
| 9                            | V1040                       | HX-FEMALE GENIT MALG NOS                            | 28                        | Fem genit ca                     |
| 9                            | V1041                       | HX-CERVICAL MALIGNANCY                              | 26                        | Cervix cncr                      |
| 9                            | V1042                       | HX-UTERUS MALIGNANCY NEC                            | 25                        | Uterus cncr                      |
| 9                            | V1043                       | HX OF OVARIAN MALIGNANCY                            | 27                        | Ovary cancer                     |
| 9                            | V1044                       | HX-FEMALE GENIT MALG NEC                            | 28                        | Fem genit ca                     |
| 9                            | V1045                       | HX-MALE GENIT MALIG NOS                             | 31                        | Mal genit ca                     |
| 9                            | V1046                       | HX-PROSTATIC MALIGNANCY                             | 29                        | Prostate can                     |
| 9                            | V1047                       | HX-TESTICULAR MALIGNANCY                            | 30                        | Testis cncr                      |
| 9                            | V1048                       | HX MALIG EPIDIDYMIS (Begin 1998)                    | 31                        | Mal genit ca                     |
| 9                            | V1049                       | HX-MALE GENIT MALIG NEC                             | 31                        | Mal genit ca                     |
| 9                            | V1050                       | HX-URINARY MALIGNAN NOS                             | 34                        | Uriny org ca                     |
| 9                            | V1051                       | HX OF BLADDER MALIGNANCY                            | 32                        | Bladder cncr                     |
| 9                            | V1052                       | HX OF KIDNEY MALIGNANCY                             | 33                        | Kidny/rnl ca                     |
| 9                            | V1053                       | HX MALIGNANT NEOPLASM- RENAL PELVIS (Begin 2001)    | 33                        | Kidny/rnl ca                     |
| 9                            | V1059                       | HX-URINARY MALIGNAN NEC                             | 34                        | Uriny org ca                     |
| 9                            | V1060                       | HX OF LEUKEMIA NOS                                  | 39                        | Leukemias                        |
| 9                            | V1061                       | HX OF LYMPHOID LEUKEMIA                             | 39                        | Leukemias                        |
| 9                            | V1062                       | HX OF MYELOID LEUKEMIA                              | 39                        | Leukemias                        |
| 9                            | V1063                       | HX OF MONOCYTIC LEUKEMIA                            | 39                        | Leukemias                        |
| 9                            | V1069                       | HX OF LEUKEMIA NEC                                  | 39                        | Leukemias                        |



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|------------------------------|-----------------------------|---------------------------------------|---------------------------|---------------------------------|
| 9                            | V1071                       | HX-LYMPHOSARCOMA                      | 38                        | Non-Hodg lym                    |
| 9                            | V1072                       | HX-HODGKIN-s DISEASE                  | 37                        | Hodgkin-s ds                    |
| 9                            | V1079                       | HX-LYMPHATIC MALIGN NEC               | 38                        | Non-Hodg lym                    |
| 9                            | V1081                       | HX OF BONE MALIGNANCY                 | 41                        | Ot primry ca                    |
| 9                            | V1082                       | HX-MALIG SKIN MELANOMA                | 22                        | Skin melanom                    |
| 9                            | V1083                       | HX-SKIN MALIGNANCY NEC                | 23                        | Non-epith ca                    |
| 9                            | V1084                       | HX OF EYE MALIGNANCY                  | 41                        | Ot primry ca                    |
| 9                            | V1085                       | HX OF BRAIN MALIGNANCY                | 35                        | Brain/ns can                    |
| 9                            | V1086                       | HX-MALIGN NERVE SYST NEC              | 35                        | Brain/ns can                    |
| 9                            | V1087                       | HX OF THYROID MALIGNANCY              | 36                        | Thyroid cncr                    |
| 9                            | V1088                       | HX-ENDOCRINE MALIGN NEC               | 41                        | Ot primry ca                    |
| 9                            | V1089                       | HX OF MALIGNANCY NEC                  | 41                        | Ot primry ca                    |
| 9                            | V109                        | HX OF MALIGNANCY NOS (end 2009)       | 41                        | Ot primry ca                    |
| 9                            | V1090                       | Hx malig neoplasm NOS (Begin 2009)    | 41                        | Ot primry ca                    |
| 9                            | V1091                       | Hx malig neuroendo tumor (Begin 2009) | 41                        | Ot primry ca                    |
| 9                            | V580                        | RADIOTHERAPY ENCOUNTER                | 45                        | Maint chem/r                    |
| 9                            | V581                        | CHEMOTHERAPY ENCOUNTER (End 2005)     | 45                        | Maint chem/r                    |
| 9                            | V5811                       | ANTINEOPLASTIC CHEMO ENC (Begin 2005) | 45                        | Maint chem/r                    |
| 9                            | V5812                       | IMMUNOTHERAPY ENCOUNTER (Begin 2005)  | 45                        | Maint chem/r                    |
| 9                            | V661                        | RADIOTHERAPY CONVALESCEN              | 45                        | Maint chem/r                    |
| 9                            | V662                        | CHEMOTHERAPY CONVALESCEN              | 45                        | Maint chem/r                    |
| 9                            | V671                        | RADIOTHERAPY FOLLOW-UP                | 45                        | Maint chem/r                    |
| 9                            | V672                        | CHEMOTHERAPY FOLLOW-UP                | 45                        | Maint chem/r                    |
| 9                            | V711                        | OBSV-SUSPCT MAL NEOPLASM              | 41                        | Ot primry ca                    |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                                | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | C000                        | Malignant neoplasm of external upper lip                    | 11                        | Cancer of head                   |
| 10                           | C001                        | Malignant neoplasm of external lower lip                    | 11                        | Cancer of head                   |
| 10                           | C002                        | Malignant neoplasm of external lip, unspecified             | 11                        | Cancer of head                   |
| 10                           | C003                        | Malignant neoplasm of upper lip, inner aspect               | 11                        | Cancer of head                   |
| 10                           | C004                        | Malignant neoplasm of lower lip, inner aspect               | 11                        | Cancer of head                   |
| 10                           | C005                        | Malignant neoplasm of lip, unspecified, inner aspect        | 11                        | Cancer of head                   |
| 10                           | C006                        | Malignant neoplasm of commissure of lip, unspecified        | 11                        | Cancer of head                   |
| 10                           | C008                        | Malignant neoplasm of overlapping sites of lip              | 11                        | Cancer of head                   |
| 10                           | C009                        | Malignant neoplasm of lip, unspecified                      | 11                        | Cancer of head                   |
| 10                           | C01                         | Malignant neoplasm of base of tongue                        | 11                        | Cancer of head                   |
| 10                           | C020                        | Malignant neoplasm of dorsal surface of tongue              | 11                        | Cancer of head                   |
| 10                           | C021                        | Malignant neoplasm of border of tongue                      | 11                        | Cancer of head                   |
| 10                           | C022                        | Malignant neoplasm of ventral surface of tongue             | 11                        | Cancer of head                   |
| 10                           | C023                        | Malignant neoplasm of anterior two-thirds of tongue, pa     | 11                        | Cancer of head                   |
| 10                           | C024                        | Malignant neoplasm of lingual tonsil                        | 11                        | Cancer of head                   |
| 10                           | C028                        | Malignant neoplasm of overlapping sites of tongue           | 11                        | Cancer of head                   |
| 10                           | C029                        | Malignant neoplasm of tongue, unspecified                   | 11                        | Cancer of head                   |
| 10                           | C030                        | Malignant neoplasm of upper gum                             | 11                        | Cancer of head                   |
| 10                           | C031                        | Malignant neoplasm of lower gum                             | 11                        | Cancer of head                   |
| 10                           | C039                        | Malignant neoplasm of gum, unspecified                      | 11                        | Cancer of head                   |
| 10                           | C040                        | Malignant neoplasm of anterior floor of mouth               | 11                        | Cancer of head                   |
| 10                           | C041                        | Malignant neoplasm of lateral floor of mouth                | 11                        | Cancer of head                   |
| 10                           | C048                        | Malignant neoplasm of overlapping sites of floor of         | 11                        | Cancer of head                   |
| 10                           | C049                        | Malignant neoplasm of floor of mouth, unspecified           | 11                        | Cancer of head                   |
| 10                           | C050                        | Malignant neoplasm of hard palate                           | 11                        | Cancer of head                   |
| 10                           | C051                        | Malignant neoplasm of soft palate                           | 11                        | Cancer of head                   |
| 10                           | C052                        | Malignant neoplasm of uvula                                 | 11                        | Cancer of head                   |
| 10                           | C058                        | Malignant neoplasm of overlapping sites of palate           | 11                        | Cancer of head                   |
| 10                           | C059                        | Malignant neoplasm of palate, unspecified                   | 11                        | Cancer of head                   |
| 10                           | C060                        | Malignant neoplasm of cheek mucosa                          | 11                        | Cancer of head                   |
| 10                           | C061                        | Malignant neoplasm of vestibule of mouth                    | 11                        | Cancer of head                   |
| 10                           | C062                        | Malignant neoplasm of retromolar area                       | 11                        | Cancer of head                   |
| 10                           | C0680                       | Malignant neoplasm of overlpr sites of unsp parts of        | 11                        | Cancer of head                   |
| 10                           | C0689                       | Malignant neoplasm of overlapping sites of oth prt          | 11                        | Cancer of head                   |
| 10                           | C069                        | Malignant neoplasm of mouth, unspecified                    | 11                        | Cancer of head                   |
| 10                           | C07                         | Malignant neoplasm of parotid gland                         | 11                        | Cancer of head                   |
| 10                           | C080                        | Malignant neoplasm of submandibular gland                   | 11                        | Cancer of head                   |
| 10                           | C081                        | Malignant neoplasm of sublingual gland                      | 11                        | Cancer of head                   |
| 10                           | C089                        | Malignant neoplasm of major salivary gland, unspeci         | 11                        | Cancer of head                   |
| 10                           | C090                        | Malignant neoplasm of tonsillar fossa                       | 11                        | Cancer of head                   |
| 10                           | C091                        | Malignant neoplasm of tonsillar pillar (anterior) (post     | 11                        | Cancer of head                   |
| 10                           | C098                        | Malignant neoplasm of overlapping sites of tonsil           | 11                        | Cancer of head                   |
| 10                           | C099                        | Malignant neoplasm of tonsil, unspecified                   | 11                        | Cancer of head                   |
| 10                           | C100                        | Malignant neoplasm of vallecula                             | 11                        | Cancer of head                   |
| 10                           | C101                        | Malignant neoplasm of anterior surface of epiglotti         | 11                        | Cancer of head                   |
| 10                           | C102                        | Malignant neoplasm of lateral wall of oropharynx            | 11                        | Cancer of head                   |
| 10                           | C103                        | Malignant neoplasm of posterior wall of oropharynx          | 11                        | Cancer of head                   |
| 10                           | C104                        | Malignant neoplasm of branchial cleft                       | 11                        | Cancer of head                   |
| 10                           | C108                        | Malignant neoplasm of overlapping sites of orophary         | 11                        | Cancer of head                   |
| 10                           | C109                        | Malignant neoplasm of oropharynx, unspecified               | 11                        | Cancer of head                   |
| 10                           | C110                        | Malignant neoplasm of superior wall of nasopharynx          | 11                        | Cancer of head                   |
| 10                           | C111                        | Malignant neoplasm of posterior wall of nasopharynx         | 11                        | Cancer of head                   |
| 10                           | C112                        | Malignant neoplasm of lateral wall of nasopharynx           | 11                        | Cancer of head                   |
| 10                           | C113                        | Malignant neoplasm of anterior wall of nasopharynx          | 11                        | Cancer of head                   |
| 10                           | C118                        | Malignant neoplasm of overlapping sites of nasophar         | 11                        | Cancer of head                   |
| 10                           | C119                        | Malignant neoplasm of nasopharynx, unspecified              | 11                        | Cancer of head                   |
| 10                           | C12                         | Malignant neoplasm of pyriform sinus                        | 11                        | Cancer of head                   |
| 10                           | C130                        | Malignant neoplasm of postcricoid region                    | 11                        | Cancer of head                   |
| 10                           | C131                        | Malignant neoplasm of aryepiglottic fold, hypopharyngea     | 11                        | Cancer of head                   |
| 10                           | C132                        | Malignant neoplasm of posterior wall of hypopharynx         | 11                        | Cancer of head                   |
| 10                           | C138                        | Malignant neoplasm of overlapping sites of hypophary        | 11                        | Cancer of head                   |
| 10                           | C139                        | Malignant neoplasm of hypopharynx, unspecified              | 11                        | Cancer of head                   |
| 10                           | C140                        | Malignant neoplasm of pharynx, unspecified                  | 11                        | Cancer of head                   |
| 10                           | C142                        | Malignant neoplasm of Waldeyer's ring                       | 11                        | Cancer of head                   |
| 10                           | C148                        | Malignant neoplasm of overlpr sites of lip, oral cavity and | 11                        | Cancer of head                   |
| 10                           | C300                        | Malignant neoplasm of nasal cavity                          | 11                        | Cancer of head                   |
| 10                           | C301                        | Malignant neoplasm of middle ear                            | 11                        | Cancer of head                   |
| 10                           | C310                        | Malignant neoplasm of maxillary sinus                       | 11                        | Cancer of head                   |
| 10                           | C311                        | Malignant neoplasm of ethmoidal sinus                       | 11                        | Cancer of head                   |
| 10                           | C312                        | Malignant neoplasm of frontal sinus                         | 11                        | Cancer of head                   |
| 10                           | C313                        | Malignant neoplasm of sphenoid sinus                        | 11                        | Cancer of head                   |
| 10                           | C318                        | Malignant neoplasm of overlapping sites of accessor         | 11                        | Cancer of head                   |
| 10                           | C319                        | Malignant neoplasm of accessory sinus, unspecified          | 11                        | Cancer of head                   |
| 10                           | C320                        | Malignant neoplasm of glottis                               | 11                        | Cancer of head                   |
| 10                           | C321                        | Malignant neoplasm of supraglottis                          | 11                        | Cancer of head                   |
| 10                           | C322                        | Malignant neoplasm of subglottis                            | 11                        | Cancer of head                   |
| 10                           | C323                        | Malignant neoplasm of laryngeal cartilage                   | 11                        | Cancer of head                   |
| 10                           | C328                        | Malignant neoplasm of overlapping sites of larynx           | 11                        | Cancer of head                   |
| 10                           | C329                        | Malignant neoplasm of larynx, unspecified                   | 11                        | Cancer of head                   |
| 10                           | C760                        | Malignant neoplasm of head, face and neck                   | 11                        | Cancer of head                   |
| 10                           | D0000                       | Carcinoma in situ of oral cavity, unspecified site          | 11                        | Cancer of head                   |
| 10                           | D0001                       | Carcinoma in situ of labial mucosa and vermillion bo        | 11                        | Cancer of head                   |
| 10                           | D0002                       | Carcinoma in situ of buccal mucosa                          | 11                        | Cancer of head                   |
| 10                           | D0003                       | Carcinoma in situ of gingiva and edentulous alveola         | 11                        | Cancer of head                   |
| 10                           | D0004                       | Carcinoma in situ of soft palate                            | 11                        | Cancer of head                   |
| 10                           | D0005                       | Carcinoma in situ of hard palate                            | 11                        | Cancer of head                   |
| 10                           | D0006                       | Carcinoma in situ of floor of mouth                         | 11                        | Cancer of head                   |
| 10                           | D0007                       | Carcinoma in situ of tongue                                 | 11                        | Cancer of head                   |
| 10                           | D0008                       | Carcinoma in situ of pharynx                                | 11                        | Cancer of head                   |
| 10                           | D020                        | Carcinoma in situ of larynx                                 | 11                        | Cancer of head                   |
| 10                           | Z8521                       | Personal history of malignant neoplasm of larynx            | 11                        | Cancer of head                   |
| 10                           | Z85810                      | Personal history of malignant neoplasm of tongue            | 11                        | Cancer of head                   |
| 10                           | Z85818                      | Prsnl hx of maligneoplasm of site of lip, oral cav,         | 11                        | Cancer of head                   |
| 10                           | Z85819                      | Prsnl hx of maligneoplasm of unsp site lip,oral cav,        | 11                        | Cancer of head                   |
| 10                           | C153                        | Malignant neoplasm of upper third of esophagus              | 12                        | Cancer of esop                   |
| 10                           | C154                        | Malignant neoplasm of middle third of esophagus             | 12                        | Cancer of esop                   |
| 10                           | C155                        | Malignant neoplasm of lower third of esophagus              | 12                        | Cancer of esop                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                         | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | C158                        | Malignant neoplasm of overlapping sites of esophagus | 12                        | Cancer of esop                   |
| 10                           | C159                        | Malignant neoplasm of esophagus, unspecified         | 12                        | Cancer of esop                   |
| 10                           | C49A1                       | Gastrointestinal stromal tumor of esophagus          | 12                        | Cancer of esop                   |
| 10                           | D001                        | Carcinoma in situ of esophagus                       | 12                        | Cancer of esop                   |
| 10                           | Z8501                       | Personal history of malignant neoplasm of esophagus  | 12                        | Cancer of esop                   |
| 10                           | C160                        | Malignant neoplasm of cardia                         | 13                        | Cancer of stom                   |
| 10                           | C161                        | Malignant neoplasm of fundus of stomach              | 13                        | Cancer of stom                   |
| 10                           | C162                        | Malignant neoplasm of body of stomach                | 13                        | Cancer of stom                   |
| 10                           | C163                        | Malignant neoplasm of pyloric antrum                 | 13                        | Cancer of stom                   |
| 10                           | C164                        | Malignant neoplasm of pylorus                        | 13                        | Cancer of stom                   |
| 10                           | C165                        | Malignant neoplasm of lesser curvature of stomach,   | 13                        | Cancer of stom                   |
| 10                           | C166                        | Malignant neoplasm of greater curvature of stomach,  | 13                        | Cancer of stom                   |
| 10                           | C168                        | Malignant neoplasm of overlapping sites of stomach   | 13                        | Cancer of stom                   |
| 10                           | C169                        | Malignant neoplasm of stomach, unspecified           | 13                        | Cancer of stom                   |
| 10                           | C49A2                       | Gastrointestinal stromal tumor of stomach            | 13                        | Cancer of stom                   |
| 10                           | C49A3                       | Gastrointestinal stromal tumor of small intestine    | 13                        | Cancer of stom                   |
| 10                           | C7A092                      | Malignant carcinoid tumor of the stomach             | 13                        | Cancer of stom                   |
| 10                           | D002                        | Carcinoma in situ of stomach                         | 13                        | Cancer of stom                   |
| 10                           | Z85028                      | Personal history of other malignant neoplasm of sto  | 13                        | Cancer of stom                   |
| 10                           | C180                        | Malignant neoplasm of cecum                          | 14                        | Cancer of colo                   |
| 10                           | C181                        | Malignant neoplasm of appendix                       | 14                        | Cancer of colo                   |
| 10                           | C182                        | Malignant neoplasm of ascending colon                | 14                        | Cancer of colo                   |
| 10                           | C183                        | Malignant neoplasm of hepatic flexure                | 14                        | Cancer of colo                   |
| 10                           | C184                        | Malignant neoplasm of transverse colon               | 14                        | Cancer of colo                   |
| 10                           | C185                        | Malignant neoplasm of splenic flexure                | 14                        | Cancer of colo                   |
| 10                           | C186                        | Malignant neoplasm of descending colon               | 14                        | Cancer of colo                   |
| 10                           | C187                        | Malignant neoplasm of sigmoid colon                  | 14                        | Cancer of colo                   |
| 10                           | C188                        | Malignant neoplasm of overlapping sites of colon     | 14                        | Cancer of colo                   |
| 10                           | C189                        | Malignant neoplasm of colon, unspecified             | 14                        | Cancer of colo                   |
| 10                           | C260                        | Malignant neoplasm of intestinal tract, part unsp    | 14                        | Cancer of colo                   |
| 10                           | C49A4                       | Gastrointestinal stromal tumor of large intestine    | 14                        | Cancer of colo                   |
| 10                           | C7A020                      | Malignant carcinoid tumor of the appendix            | 14                        | Cancer of colo                   |
| 10                           | C7A021                      | Malignant carcinoid tumor of the cecum               | 14                        | Cancer of colo                   |
| 10                           | C7A022                      | Malignant carcinoid tumor of the ascending colon     | 14                        | Cancer of colo                   |
| 10                           | C7A023                      | Malignant carcinoid tumor of the transverse colon    | 14                        | Cancer of colo                   |
| 10                           | C7A024                      | Malignant carcinoid tumor of the descending colon    | 14                        | Cancer of colo                   |
| 10                           | C7A025                      | Malignant carcinoid tumor of the sigmoid colon       | 14                        | Cancer of colo                   |
| 10                           | C7A029                      | Malignant carcinoid tumor of the lg int, unsp porti  | 14                        | Cancer of colo                   |
| 10                           | D010                        | Carcinoma in situ of colon                           | 14                        | Cancer of colo                   |
| 10                           | Z85038                      | Personal history of malignant neoplasm of large int  | 14                        | Cancer of colo                   |
| 10                           | C19                         | Malignant neoplasm of rectosigmoid junction          | 15                        | Cancer of rect                   |
| 10                           | C20                         | Malignant neoplasm of rectum                         | 15                        | Cancer of rect                   |
| 10                           | C210                        | Malignant neoplasm of anus, unspecified              | 15                        | Cancer of rect                   |
| 10                           | C211                        | Malignant neoplasm of anal canal                     | 15                        | Cancer of rect                   |
| 10                           | C212                        | Malignant neoplasm of cloacogenic zone               | 15                        | Cancer of rect                   |
| 10                           | C218                        | Malig neoplasm of ovrlp sites of rectum, anus and a  | 15                        | Cancer of rect                   |
| 10                           | C49A5                       | Gastrointestinal stromal tumor of rectum             | 15                        | Cancer of rect                   |
| 10                           | C7A026                      | Malignant carcinoid tumor of the rectum              | 15                        | Cancer of rect                   |
| 10                           | D011                        | Carcinoma in situ of rectosigmoid junction           | 15                        | Cancer of rect                   |
| 10                           | D012                        | Carcinoma in situ of rectum                          | 15                        | Cancer of rect                   |
| 10                           | D013                        | Carcinoma in situ of anus and anal canal             | 15                        | Cancer of rect                   |
| 10                           | R85610                      | Atyp squam cell of undet signfnc cyto smr anus (ASC- | 15                        | Cancer of rect                   |
| 10                           | R85611                      | Atyp squam cell not excl hi grd intrepith lesn cyto  | 15                        | Cancer of rect                   |
| 10                           | R85612                      | Low grade intrepith lesion cyto smr anus (LGSIL)     | 15                        | Cancer of rect                   |
| 10                           | R85613                      | High grade intrepith lesion cyto smr anus (HGSIL)    | 15                        | Cancer of rect                   |
| 10                           | R85614                      | Cytologic evidence of malignancy on smear of anus    | 15                        | Cancer of rect                   |
| 10                           | Z85048                      | Prsnl hx of malig neoplsm of rectum, rectosig junct, | 15                        | Cancer of rect                   |
| 10                           | C220                        | Liver cell carcinoma                                 | 16                        | Cancer of live                   |
| 10                           | C221                        | Intrahepatic bile duct carcinoma                     | 16                        | Cancer of live                   |
| 10                           | C222                        | Hepatoblastoma                                       | 16                        | Cancer of live                   |
| 10                           | C223                        | Angiosarcoma of liver                                | 16                        | Cancer of live                   |
| 10                           | C224                        | Other sarcomas of liver                              | 16                        | Cancer of live                   |
| 10                           | C227                        | Other specified carcinomas of liver                  | 16                        | Cancer of live                   |
| 10                           | C228                        | Malignant neoplasm of liver, primary, unspecified a  | 16                        | Cancer of live                   |
| 10                           | C229                        | Malig neoplasm of liver, not specified as primary o  | 16                        | Cancer of live                   |
| 10                           | D015                        | Carcinoma in situ of liver, gallbladder and bile du  | 16                        | Cancer of live                   |
| 10                           | Z8505                       | Personal history of malignant neoplasm of liver      | 16                        | Cancer of live                   |
| 10                           | C250                        | Malignant neoplasm of head of pancreas               | 17                        | Cancer of panc                   |
| 10                           | C251                        | Malignant neoplasm of body of pancreas               | 17                        | Cancer of panc                   |
| 10                           | C252                        | Malignant neoplasm of tail of pancreas               | 17                        | Cancer of panc                   |
| 10                           | C253                        | Malignant neoplasm of pancreatic duct                | 17                        | Cancer of panc                   |
| 10                           | C254                        | Malignant neoplasm of endocrine pancreas             | 17                        | Cancer of panc                   |
| 10                           | C257                        | Malignant neoplasm of other parts of pancreas        | 17                        | Cancer of panc                   |
| 10                           | C258                        | Malignant neoplasm of overlapping sites of pancreas  | 17                        | Cancer of panc                   |
| 10                           | C259                        | Malignant neoplasm of pancreas, unspecified          | 17                        | Cancer of panc                   |
| 10                           | C170                        | Malignant neoplasm of duodenum                       | 18                        | Cancer of othe                   |
| 10                           | C171                        | Malignant neoplasm of jejunum                        | 18                        | Cancer of othe                   |
| 10                           | C172                        | Malignant neoplasm of ileum                          | 18                        | Cancer of othe                   |
| 10                           | C173                        | Meckel's diverticulum, malignant                     | 18                        | Cancer of othe                   |
| 10                           | C178                        | Malignant neoplasm of overlapping sites of small in  | 18                        | Cancer of othe                   |
| 10                           | C179                        | Malignant neoplasm of small intestine, unspecified   | 18                        | Cancer of othe                   |
| 10                           | C23                         | Malignant neoplasm of gallbladder                    | 18                        | Cancer of othe                   |
| 10                           | C240                        | Malignant neoplasm of extrahepatic bile duct         | 18                        | Cancer of othe                   |
| 10                           | C241                        | Malignant neoplasm of ampulla of Vater               | 18                        | Cancer of othe                   |
| 10                           | C248                        | Malignant neoplasm of overlapping sites of biliary   | 18                        | Cancer of othe                   |
| 10                           | C249                        | Malignant neoplasm of biliary tract, unspecified     | 18                        | Cancer of othe                   |
| 10                           | C261                        | Malignant neoplasm of spleen                         | 18                        | Cancer of othe                   |
| 10                           | C269                        | Malignant neoplasm of ill-defined sites within the   | 18                        | Cancer of othe                   |
| 10                           | C451                        | Mesothelioma of peritoneum                           | 18                        | Cancer of othe                   |
| 10                           | C480                        | Malignant neoplasm of retroperitoneum                | 18                        | Cancer of othe                   |
| 10                           | C481                        | Malignant neoplasm of specified parts of peritoneum  | 18                        | Cancer of othe                   |
| 10                           | C482                        | Malignant neoplasm of peritoneum, unspecified        | 18                        | Cancer of othe                   |
| 10                           | C488                        | Malig neoplasm of ovrlp sites of retroperiton and p  | 18                        | Cancer of othe                   |
| 10                           | C49A0                       | Gastrointestinal stromal tumor, unspecified site     | 18                        | Cancer of othe                   |
| 10                           | C49A9                       | Gastrointestinal stromal tumor of other sites        | 18                        | Cancer of othe                   |
| 10                           | C7A010                      | Malignant carcinoid tumor of the duodenum            | 18                        | Cancer of othe                   |
| 10                           | C7A011                      | Malignant carcinoid tumor of the jejunum             | 18                        | Cancer of othe                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                               | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | C7A012                      | Malignant carcinoid tumor of the ileum                     | 18                        | Cancer of othe                   |
| 10                           | C7A019                      | Malignant carcinoid tumor of the sm int, unsp porti        | 18                        | Cancer of othe                   |
| 10                           | D0140                       | Carcinoma in situ of unspecified part of intestine         | 18                        | Cancer of othe                   |
| 10                           | D0149                       | Carcinoma in situ of other parts of intestine              | 18                        | Cancer of othe                   |
| 10                           | D017                        | Carcinoma in situ of other specified digestive organ       | 18                        | Cancer of othe                   |
| 10                           | D019                        | Carcinoma in situ of digestive organ, unspecified          | 18                        | Cancer of othe                   |
| 10                           | Z8500                       | Personal history of malignant neoplasm of unsp dgst        | 18                        | Cancer of othe                   |
| 10                           | Z85068                      | Personal history of malignant neoplasm of small int        | 18                        | Cancer of othe                   |
| 10                           | Z8507                       | Personal history of malignant neoplasm of pancreas         | 18                        | Cancer of othe                   |
| 10                           | Z8509                       | Personal history of malignant neoplasm of digestive        | 18                        | Cancer of othe                   |
| 10                           | C3400                       | Malignant neoplasm of unspecified main bronchus            | 19                        | Cancer of bron                   |
| 10                           | C3401                       | Malignant neoplasm of right main bronchus                  | 19                        | Cancer of bron                   |
| 10                           | C3402                       | Malignant neoplasm of left main bronchus                   | 19                        | Cancer of bron                   |
| 10                           | C3410                       | Malignant neoplasm of upper lobe, unsp bronchus or         | 19                        | Cancer of bron                   |
| 10                           | C3411                       | Malignant neoplasm of upper lobe, right bronchus or        | 19                        | Cancer of bron                   |
| 10                           | C3412                       | Malignant neoplasm of upper lobe, left bronchus or         | 19                        | Cancer of bron                   |
| 10                           | C342                        | Malignant neoplasm of middle lobe, bronchus or lung        | 19                        | Cancer of bron                   |
| 10                           | C3430                       | Malignant neoplasm of lower lobe, unsp bronchus or         | 19                        | Cancer of bron                   |
| 10                           | C3431                       | Malignant neoplasm of lower lobe, right bronchus or        | 19                        | Cancer of bron                   |
| 10                           | C3432                       | Malignant neoplasm of lower lobe, left bronchus or         | 19                        | Cancer of bron                   |
| 10                           | C3480                       | Malignant neoplasm of ovrlp sites of unsp bronchus         | 19                        | Cancer of bron                   |
| 10                           | C3481                       | Malignant neoplasm of ovrlp sites of right bronchus        | 19                        | Cancer of bron                   |
| 10                           | C3482                       | Malignant neoplasm of ovrlp sites of left bronchus         | 19                        | Cancer of bron                   |
| 10                           | C3490                       | Malignant neoplasm of unsp part of unsp bronchus or        | 19                        | Cancer of bron                   |
| 10                           | C3491                       | Malignant neoplasm of unsp part of right bronchus o        | 19                        | Cancer of bron                   |
| 10                           | C3492                       | Malignant neoplasm of unsp part of left bronchus or        | 19                        | Cancer of bron                   |
| 10                           | C7A090                      | Malignant carcinoid tumor of the bronchus and lung         | 19                        | Cancer of bron                   |
| 10                           | D0220                       | Carcinoma in situ of unspecified bronchus and lung         | 19                        | Cancer of bron                   |
| 10                           | D0221                       | Carcinoma in situ of right bronchus and lung               | 19                        | Cancer of bron                   |
| 10                           | D0222                       | Carcinoma in situ of left bronchus and lung                | 19                        | Cancer of bron                   |
| 10                           | Z85118                      | Personal history of malignant neoplasm of bronchus         | 19                        | Cancer of bron                   |
| 10                           | C33                         | Malignant neoplasm of trachea                              | 20                        | Cancer; other                    |
| 10                           | C384                        | Malignant neoplasm of pleura                               | 20                        | Cancer; other                    |
| 10                           | C390                        | Malignant neoplasm of upper respiratory tract, part        | 20                        | Cancer; other                    |
| 10                           | C399                        | Malignant neoplasm of lower respiratory tract, part        | 20                        | Cancer; other                    |
| 10                           | C450                        | Mesothelioma of pleura                                     | 20                        | Cancer; other                    |
| 10                           | D021                        | Carcinoma in situ of trachea                               | 20                        | Cancer; other                    |
| 10                           | D023                        | Carcinoma in situ of other parts of respiratory sys        | 20                        | Cancer; other                    |
| 10                           | D024                        | Carcinoma in situ of respiratory system, unspecifie        | 20                        | Cancer; other                    |
| 10                           | Z8512                       | Personal history of malignant neoplasm of trachea          | 20                        | Cancer; other                    |
| 10                           | Z8520                       | Personal history of malignant neoplasm of unsp resp        | 20                        | Cancer; other                    |
| 10                           | Z8522                       | Prsnl hx of malig neoplasm of nasi cav, mid ear, & ac      | 20                        | Cancer; other                    |
| 10                           | C4000                       | Malignant neoplasm of scapula and long bones of unsp up    | 21                        | Cancer of bone                   |
| 10                           | C4001                       | Malignant neoplasm of scapula and long bones of right u    | 21                        | Cancer of bone                   |
| 10                           | C4002                       | Malignant neoplasm of scapula and long bones of left u     | 21                        | Cancer of bone                   |
| 10                           | C4010                       | Malignant neoplasm of short bones of unspecified up        | 21                        | Cancer of bone                   |
| 10                           | C4011                       | Malignant neoplasm of short bones of right upper li        | 21                        | Cancer of bone                   |
| 10                           | C4012                       | Malignant neoplasm of short bones of left upper lim        | 21                        | Cancer of bone                   |
| 10                           | C4020                       | Malignant neoplasm of long bones of unspecified low        | 21                        | Cancer of bone                   |
| 10                           | C4021                       | Malignant neoplasm of long bones of right lower lim        | 21                        | Cancer of bone                   |
| 10                           | C4022                       | Malignant neoplasm of long bones of left lower limb        | 21                        | Cancer of bone                   |
| 10                           | C4030                       | Malignant neoplasm of short bones of unspecified lo        | 21                        | Cancer of bone                   |
| 10                           | C4031                       | Malignant neoplasm of short bones of right lower li        | 21                        | Cancer of bone                   |
| 10                           | C4032                       | Malignant neoplasm of short bones of left lower lim        | 21                        | Cancer of bone                   |
| 10                           | C4080                       | Malignant neoplasm of ovrlp sites of bone/artic cartl of   | 21                        | Cancer of bone                   |
| 10                           | C4081                       | Malignant neoplasm of ovrlp sites of bone/artic cartl of   | 21                        | Cancer of bone                   |
| 10                           | C4082                       | Malignant neoplasm of ovrlp sites of bone/artic cartl of   | 21                        | Cancer of bone                   |
| 10                           | C4090                       | Malignant neoplasm of unsp bones and artic cartl of un     | 21                        | Cancer of bone                   |
| 10                           | C4091                       | Malignant neoplasm of unsp bones and artic cartl of ri     | 21                        | Cancer of bone                   |
| 10                           | C4092                       | Malignant neoplasm of unsp bones and artic cartl of le     | 21                        | Cancer of bone                   |
| 10                           | C410                        | Malignant neoplasm of bones of skull and face              | 21                        | Cancer of bone                   |
| 10                           | C411                        | Malignant neoplasm of mandible                             | 21                        | Cancer of bone                   |
| 10                           | C412                        | Malignant neoplasm of vertebral column                     | 21                        | Cancer of bone                   |
| 10                           | C413                        | Malignant neoplasm of ribs, sternum and clavicle           | 21                        | Cancer of bone                   |
| 10                           | C414                        | Malignant neoplasm of pelvic bones, sacrum and coccc       | 21                        | Cancer of bone                   |
| 10                           | C419                        | Malignant neoplasm of bone and articular cartilage,        | 21                        | Cancer of bone                   |
| 10                           | C490                        | Malignant neoplasm of conn and soft tissue of head, face   | 21                        | Cancer of bone                   |
| 10                           | C4910                       | Malignant neoplasm of conn & soft tiss of unsp upr limb, i | 21                        | Cancer of bone                   |
| 10                           | C4911                       | Malignant neoplasm of conn and soft tiss of r upr limb, i  | 21                        | Cancer of bone                   |
| 10                           | C4912                       | Malignant neoplasm of conn and soft tiss of l upr limb, i  | 21                        | Cancer of bone                   |
| 10                           | C4920                       | Malignant neoplasm of conn and soft tiss of unsp low limb  | 21                        | Cancer of bone                   |
| 10                           | C4921                       | Malignant neoplasm of conn and soft tiss of r low limb, i  | 21                        | Cancer of bone                   |
| 10                           | C4922                       | Malignant neoplasm of conn and soft tiss of left low limb  | 21                        | Cancer of bone                   |
| 10                           | C493                        | Malignant neoplasm of connective and soft tissue of        | 21                        | Cancer of bone                   |
| 10                           | C494                        | Malignant neoplasm of connective and soft tissue of        | 21                        | Cancer of bone                   |
| 10                           | C495                        | Malignant neoplasm of connective and soft tissue of        | 21                        | Cancer of bone                   |
| 10                           | C496                        | Malignant neoplasm of conn and soft tissue of trunk        | 21                        | Cancer of bone                   |
| 10                           | C498                        | Malignant neoplasm of ovrlp sites of conn and soft         | 21                        | Cancer of bone                   |
| 10                           | C499                        | Malignant neoplasm of connective and soft tissue, u        | 21                        | Cancer of bone                   |
| 10                           | C430                        | Malignant melanoma of lip                                  | 22                        | Melanomas of s                   |
| 10                           | C4310                       | Malignant melanoma of unspecified eyelid, including        | 22                        | Melanomas of s                   |
| 10                           | C4311                       | Malignant melanoma of right eyelid, including canth        | 22                        | Melanomas of s                   |
| 10                           | C4312                       | Malignant melanoma of left eyelid, including canthu        | 22                        | Melanomas of s                   |
| 10                           | C4320                       | Malignant melanoma of unsp ear and external auricul        | 22                        | Melanomas of s                   |
| 10                           | C4321                       | Malignant melanoma of right ear and external auricu        | 22                        | Melanomas of s                   |
| 10                           | C4322                       | Malignant melanoma of left ear and external auricul        | 22                        | Melanomas of s                   |
| 10                           | C4330                       | Malignant melanoma of unspecified part of face             | 22                        | Melanomas of s                   |
| 10                           | C4331                       | Malignant melanoma of nose                                 | 22                        | Melanomas of s                   |
| 10                           | C4339                       | Malignant melanoma of other parts of face                  | 22                        | Melanomas of s                   |
| 10                           | C434                        | Malignant melanoma of scalp and neck                       | 22                        | Melanomas of s                   |
| 10                           | C4351                       | Malignant melanoma of anal skin                            | 22                        | Melanomas of s                   |
| 10                           | C4352                       | Malignant melanoma of skin of breast                       | 22                        | Melanomas of s                   |
| 10                           | C4359                       | Malignant melanoma of other part of trunk                  | 22                        | Melanomas of s                   |
| 10                           | C4360                       | Malignant melanoma of unsp upper limb, including sh        | 22                        | Melanomas of s                   |
| 10                           | C4361                       | Malignant melanoma of right upper limb, including s        | 22                        | Melanomas of s                   |
| 10                           | C4362                       | Malignant melanoma of left upper limb, including sh        | 22                        | Melanomas of s                   |
| 10                           | C4370                       | Malignant melanoma of unspecified lower limb, inclu        | 22                        | Melanomas of s                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | C4371                | Malignant melanoma of right lower limb, including h | 22                 | Melanomas of s            |
| 10                    | C4372                | Malignant melanoma of left lower limb, including hi | 22                 | Melanomas of s            |
| 10                    | C438                 | Malignant melanoma of overlapping sites of skin     | 22                 | Melanomas of s            |
| 10                    | C439                 | Malignant melanoma of skin, unspecified             | 22                 | Melanomas of s            |
| 10                    | D030                 | Melanoma in situ of lip                             | 22                 | Melanomas of s            |
| 10                    | D0310                | Melanoma in situ of unspecified eyelid, including c | 22                 | Melanomas of s            |
| 10                    | D0311                | Melanoma in situ of right eyelid, including canthus | 22                 | Melanomas of s            |
| 10                    | D0312                | Melanoma in situ of left eyelid, including canthus  | 22                 | Melanomas of s            |
| 10                    | D0320                | Melanoma in situ of unsp ear and external auricular | 22                 | Melanomas of s            |
| 10                    | D0321                | Melanoma in situ of right ear and external auricula | 22                 | Melanomas of s            |
| 10                    | D0322                | Melanoma in situ of left ear and external auricular | 22                 | Melanomas of s            |
| 10                    | D0330                | Melanoma in situ of unspecified part of face        | 22                 | Melanomas of s            |
| 10                    | D0339                | Melanoma in situ of other parts of face             | 22                 | Melanomas of s            |
| 10                    | D034                 | Melanoma in situ of scalp and neck                  | 22                 | Melanomas of s            |
| 10                    | D0351                | Melanoma in situ of anal skin                       | 22                 | Melanomas of s            |
| 10                    | D0352                | Melanoma in situ of breast (skin) (soft tissue)     | 22                 | Melanomas of s            |
| 10                    | D0359                | Melanoma in situ of other part of trunk             | 22                 | Melanomas of s            |
| 10                    | D0360                | Melanoma in situ of unsp upper limb, including shou | 22                 | Melanomas of s            |
| 10                    | D0361                | Melanoma in situ of right upper limb, including sho | 22                 | Melanomas of s            |
| 10                    | D0362                | Melanoma in situ of left upper limb, including shou | 22                 | Melanomas of s            |
| 10                    | D0370                | Melanoma in situ of unspecified lower limb, includi | 22                 | Melanomas of s            |
| 10                    | D0371                | Melanoma in situ of right lower limb, including hip | 22                 | Melanomas of s            |
| 10                    | D0372                | Melanoma in situ of left lower limb, including hip  | 22                 | Melanomas of s            |
| 10                    | D038                 | Melanoma in situ of other sites                     | 22                 | Melanomas of s            |
| 10                    | D039                 | Melanoma in situ, unspecified                       | 22                 | Melanomas of s            |
| 10                    | Z85820               | Personal history of malignant melanoma of skin      | 22                 | Melanomas of s            |
| 10                    | C4400                | Unspecified malignant neoplasm of skin of lip       | 23                 | Other non-epit            |
| 10                    | C4401                | Basal cell carcinoma of skin of lip                 | 23                 | Other non-epit            |
| 10                    | C4402                | Squamous cell carcinoma of skin of lip              | 23                 | Other non-epit            |
| 10                    | C4409                | Other specified malignant neoplasm of skin of lip   | 23                 | Other non-epit            |
| 10                    | C44101               | Unsp malignant neoplasm skin/ unsp eyelid, includin | 23                 | Other non-epit            |
| 10                    | C44102               | Unsp malignant neoplasm skin/ right eyelid, inc can | 23                 | Other non-epit            |
| 10                    | C44109               | Unsp malignant neoplasm skin/ left eyelid, includin | 23                 | Other non-epit            |
| 10                    | C44111               | Basal cell carcinoma skin/ unsp eyelid, including c | 23                 | Other non-epit            |
| 10                    | C44112               | Basal cell carcinoma skin/ right eyelid, including  | 23                 | Other non-epit            |
| 10                    | C44119               | Basal cell carcinoma skin/ left eyelid, including c | 23                 | Other non-epit            |
| 10                    | C44121               | Squamous cell carcinoma skin/ unsp eyelid, includin | 23                 | Other non-epit            |
| 10                    | C44122               | Squamous cell carcinoma skin/ right eyelid, inc can | 23                 | Other non-epit            |
| 10                    | C44129               | Squamous cell carcinoma skin/ left eyelid, includin | 23                 | Other non-epit            |
| 10                    | C44191               | Oth malignant neoplasm skin/ unsp eyelid, including | 23                 | Other non-epit            |
| 10                    | C44192               | Oth malignant neoplasm skin/ right eyelid, includin | 23                 | Other non-epit            |
| 10                    | C44199               | Oth malignant neoplasm skin/ left eyelid, including | 23                 | Other non-epit            |
| 10                    | C44201               | Unsp malig neoplasm skin/ unsp ear and external aur | 23                 | Other non-epit            |
| 10                    | C44202               | Unsp malig neoplasm skin/ right ear and external au | 23                 | Other non-epit            |
| 10                    | C44209               | Unsp malig neoplasm skin/ left ear and external aur | 23                 | Other non-epit            |
| 10                    | C44211               | Basal cell carcinoma skin/ unsp ear and external au | 23                 | Other non-epit            |
| 10                    | C44212               | Basal cell carcinoma skin/ r ear and external auric | 23                 | Other non-epit            |
| 10                    | C44219               | Basal cell carcinoma skin/ left ear and external au | 23                 | Other non-epit            |
| 10                    | C44221               | Squamous cell carcinoma skin/ unsp ear and extrn au | 23                 | Other non-epit            |
| 10                    | C44222               | Squamous cell carcinoma skin/ r ear and external au | 23                 | Other non-epit            |
| 10                    | C44229               | Squamous cell carcinoma skin/ left ear and extrn au | 23                 | Other non-epit            |
| 10                    | C44291               | Oth malig neoplasm skin/ unsp ear and external auri | 23                 | Other non-epit            |
| 10                    | C44292               | Oth malig neoplasm skin/ right ear and external aur | 23                 | Other non-epit            |
| 10                    | C44299               | Oth malig neoplasm skin/ left ear and external auri | 23                 | Other non-epit            |
| 10                    | C44300               | Unsp malignant neoplasm of skin of unspecified part | 23                 | Other non-epit            |
| 10                    | C44301               | Unspecified malignant neoplasm of skin of nose      | 23                 | Other non-epit            |
| 10                    | C44309               | Unsp malignant neoplasm of skin of other parts of f | 23                 | Other non-epit            |
| 10                    | C44310               | Basal cell carcinoma of skin of unspecified parts o | 23                 | Other non-epit            |
| 10                    | C44311               | Basal cell carcinoma of skin of nose                | 23                 | Other non-epit            |
| 10                    | C44319               | Basal cell carcinoma of skin of other parts of face | 23                 | Other non-epit            |
| 10                    | C44320               | Squamous cell carcinoma of skin of unspecified part | 23                 | Other non-epit            |
| 10                    | C44321               | Squamous cell carcinoma of skin of nose             | 23                 | Other non-epit            |
| 10                    | C44329               | Squamous cell carcinoma of skin of other parts of f | 23                 | Other non-epit            |
| 10                    | C44390               | Oth malignant neoplasm of skin of unspecified parts | 23                 | Other non-epit            |
| 10                    | C44391               | Other specified malignant neoplasm of skin of nose  | 23                 | Other non-epit            |
| 10                    | C44399               | Oth malignant neoplasm of skin of other parts of fa | 23                 | Other non-epit            |
| 10                    | C4440                | Unspecified malignant neoplasm of skin of scalp and | 23                 | Other non-epit            |
| 10                    | C4441                | Basal cell carcinoma of skin of scalp and neck      | 23                 | Other non-epit            |
| 10                    | C4442                | Squamous cell carcinoma of skin of scalp and neck   | 23                 | Other non-epit            |
| 10                    | C4449                | Other specified malignant neoplasm of skin of scalp | 23                 | Other non-epit            |
| 10                    | C44500               | Unspecified malignant neoplasm of anal skin         | 23                 | Other non-epit            |
| 10                    | C44501               | Unspecified malignant neoplasm of skin of breast    | 23                 | Other non-epit            |
| 10                    | C44509               | Unsp malignant neoplasm of skin of other part of tr | 23                 | Other non-epit            |
| 10                    | C44510               | Basal cell carcinoma of anal skin                   | 23                 | Other non-epit            |
| 10                    | C44511               | Basal cell carcinoma of skin of breast              | 23                 | Other non-epit            |
| 10                    | C44519               | Basal cell carcinoma of skin of other part of trunk | 23                 | Other non-epit            |
| 10                    | C44520               | Squamous cell carcinoma of anal skin                | 23                 | Other non-epit            |
| 10                    | C44521               | Squamous cell carcinoma of skin of breast           | 23                 | Other non-epit            |
| 10                    | C44529               | Squamous cell carcinoma of skin of other part of tr | 23                 | Other non-epit            |
| 10                    | C44590               | Other specified malignant neoplasm of anal skin     | 23                 | Other non-epit            |
| 10                    | C44591               | Other specified malignant neoplasm of skin of breas | 23                 | Other non-epit            |
| 10                    | C44599               | Oth malignant neoplasm of skin of other part of tru | 23                 | Other non-epit            |
| 10                    | C44601               | Unsp malignant neoplasm skin/ unsp upper limb, inc  | 23                 | Other non-epit            |
| 10                    | C44602               | Unsp malignant neoplasm skin/ right upper limb, inc | 23                 | Other non-epit            |
| 10                    | C44609               | Unsp malignant neoplasm skin/ left upper limb, inc  | 23                 | Other non-epit            |
| 10                    | C44611               | Basal cell carcinoma skin/ unsp upper limb, inc sho | 23                 | Other non-epit            |
| 10                    | C44612               | Basal cell carcinoma skin/ right upper limb, inc sh | 23                 | Other non-epit            |
| 10                    | C44619               | Basal cell carcinoma skin/ left upper limb, inc sho | 23                 | Other non-epit            |
| 10                    | C44621               | Squamous cell carcinoma skin/ unsp upper limb, inc  | 23                 | Other non-epit            |
| 10                    | C44622               | Squamous cell carcinoma skin/ right upper limb, inc | 23                 | Other non-epit            |
| 10                    | C44629               | Squamous cell carcinoma skin/ left upper limb, inc  | 23                 | Other non-epit            |
| 10                    | C44691               | Oth malignant neoplasm skin/ unsp upper limb, inc s | 23                 | Other non-epit            |
| 10                    | C44692               | Oth malignant neoplasm skin/ right upper limb, inc  | 23                 | Other non-epit            |
| 10                    | C44699               | Oth malignant neoplasm skin/ left upper limb, inc s | 23                 | Other non-epit            |
| 10                    | C44701               | Unsp malignant neoplasm skin/ unsp lower limb, incl | 23                 | Other non-epit            |
| 10                    | C44702               | Unsp malignant neoplasm skin/ right lower limb, inc | 23                 | Other non-epit            |
| 10                    | C44709               | Unsp malignant neoplasm skin/ left lower limb, incl | 23                 | Other non-epit            |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                          | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | C44711                      | Basal cell carcinoma skin/ unsp lower limb, includi   | 23                        | Other non-epit                   |
| 10                           | C44712                      | Basal cell carcinoma skin/ right lower limb, includ   | 23                        | Other non-epit                   |
| 10                           | C44719                      | Basal cell carcinoma skin/ left lower limb, includi   | 23                        | Other non-epit                   |
| 10                           | C44721                      | Squamous cell carcinoma skin/ unsp lower limb, incl   | 23                        | Other non-epit                   |
| 10                           | C44722                      | Squamous cell carcinoma skin/ right lower limb, inc   | 23                        | Other non-epit                   |
| 10                           | C44729                      | Squamous cell carcinoma skin/ left lower limb, incl   | 23                        | Other non-epit                   |
| 10                           | C44791                      | Oth malignant neoplasm skin/ unsp lower limb, inclu   | 23                        | Other non-epit                   |
| 10                           | C44792                      | Oth malignant neoplasm skin/ right lower limb, incl   | 23                        | Other non-epit                   |
| 10                           | C44799                      | Oth malignant neoplasm skin/ left lower limb, inclu   | 23                        | Other non-epit                   |
| 10                           | C4480                       | Unspecified malignant neoplasm of overlapping sites   | 23                        | Other non-epit                   |
| 10                           | C4481                       | Basal cell carcinoma of overlapping sites of skin     | 23                        | Other non-epit                   |
| 10                           | C4482                       | Squamous cell carcinoma of overlapping sites of ski   | 23                        | Other non-epit                   |
| 10                           | C4489                       | Oth malignant neoplasm of overlapping sites of skin   | 23                        | Other non-epit                   |
| 10                           | C4490                       | Unspecified malignant neoplasm of skin, unspecified   | 23                        | Other non-epit                   |
| 10                           | C4491                       | Basal cell carcinoma of skin, unspecified             | 23                        | Other non-epit                   |
| 10                           | C4492                       | Squamous cell carcinoma of skin, unspecified          | 23                        | Other non-epit                   |
| 10                           | C4499                       | Other specified malignant neoplasm of skin, unspeci   | 23                        | Other non-epit                   |
| 10                           | C4A0                        | Merkel cell carcinoma of lip                          | 23                        | Other non-epit                   |
| 10                           | C4A10                       | Merkel cell carcinoma of unsp eyelid, including can   | 23                        | Other non-epit                   |
| 10                           | C4A11                       | Merkel cell carcinoma of right eyelid, including can  | 23                        | Other non-epit                   |
| 10                           | C4A12                       | Merkel cell carcinoma of left eyelid, including can   | 23                        | Other non-epit                   |
| 10                           | C4A20                       | Merkel cell carcinoma of unsp ear and external auri   | 23                        | Other non-epit                   |
| 10                           | C4A21                       | Merkel cell carcinoma of right ear and external aur   | 23                        | Other non-epit                   |
| 10                           | C4A22                       | Merkel cell carcinoma of left ear and external auri   | 23                        | Other non-epit                   |
| 10                           | C4A30                       | Merkel cell carcinoma of unspecified part of face     | 23                        | Other non-epit                   |
| 10                           | C4A31                       | Merkel cell carcinoma of nose                         | 23                        | Other non-epit                   |
| 10                           | C4A39                       | Merkel cell carcinoma of other parts of face          | 23                        | Other non-epit                   |
| 10                           | C4A4                        | Merkel cell carcinoma of scalp and neck               | 23                        | Other non-epit                   |
| 10                           | C4A51                       | Merkel cell carcinoma of anal skin                    | 23                        | Other non-epit                   |
| 10                           | C4A52                       | Merkel cell carcinoma of skin of breast               | 23                        | Other non-epit                   |
| 10                           | C4A59                       | Merkel cell carcinoma of other part of trunk          | 23                        | Other non-epit                   |
| 10                           | C4A60                       | Merkel cell carcinoma of unsp upper limb, including   | 23                        | Other non-epit                   |
| 10                           | C4A61                       | Merkel cell carcinoma of right upper limb, inc shou   | 23                        | Other non-epit                   |
| 10                           | C4A62                       | Merkel cell carcinoma of left upper limb, including   | 23                        | Other non-epit                   |
| 10                           | C4A70                       | Merkel cell carcinoma of unsp lower limb, including   | 23                        | Other non-epit                   |
| 10                           | C4A71                       | Merkel cell carcinoma of right lower limb, includin   | 23                        | Other non-epit                   |
| 10                           | C4A72                       | Merkel cell carcinoma of left lower limb, including   | 23                        | Other non-epit                   |
| 10                           | C4A8                        | Merkel cell carcinoma of overlapping sites            | 23                        | Other non-epit                   |
| 10                           | C4A9                        | Merkel cell carcinoma, unspecified                    | 23                        | Other non-epit                   |
| 10                           | D040                        | Carcinoma in situ of skin of lip                      | 23                        | Other non-epit                   |
| 10                           | D0410                       | Carcinoma in situ of skin of unsp eyelid, including   | 23                        | Other non-epit                   |
| 10                           | D0411                       | Carcinoma in situ of skin of right eyelid, includin   | 23                        | Other non-epit                   |
| 10                           | D0412                       | Carcinoma in situ of skin of left eyelid, including   | 23                        | Other non-epit                   |
| 10                           | D0420                       | Ca in situ skin of unsp ear and external auricular    | 23                        | Other non-epit                   |
| 10                           | D0421                       | Ca in situ skin of right ear and external auricular   | 23                        | Other non-epit                   |
| 10                           | D0422                       | Ca in situ skin of left ear and external auricular    | 23                        | Other non-epit                   |
| 10                           | D0430                       | Carcinoma in situ of skin of unspecified part of fa   | 23                        | Other non-epit                   |
| 10                           | D0439                       | Carcinoma in situ of skin of other parts of face      | 23                        | Other non-epit                   |
| 10                           | D044                        | Carcinoma in situ of skin of scalp and neck           | 23                        | Other non-epit                   |
| 10                           | D045                        | Carcinoma in situ of skin of trunk                    | 23                        | Other non-epit                   |
| 10                           | D0460                       | Ca in situ skin of unsp upper limb, including shoul   | 23                        | Other non-epit                   |
| 10                           | D0461                       | Ca in situ skin of right upper limb, including shou   | 23                        | Other non-epit                   |
| 10                           | D0462                       | Ca in situ skin of left upper limb, including shoul   | 23                        | Other non-epit                   |
| 10                           | D0470                       | Carcinoma in situ of skin of unsp lower limb, inclu   | 23                        | Other non-epit                   |
| 10                           | D0471                       | Carcinoma in situ of skin of right lower limb, incl   | 23                        | Other non-epit                   |
| 10                           | D0472                       | Carcinoma in situ of skin of left lower limb, inclu   | 23                        | Other non-epit                   |
| 10                           | D048                        | Carcinoma in situ of skin of other sites              | 23                        | Other non-epit                   |
| 10                           | D049                        | Carcinoma in situ of skin, unspecified                | 23                        | Other non-epit                   |
| 10                           | Z85828                      | Personal history of other malignant neoplasm of ski   | 23                        | Other non-epit                   |
| 10                           | C50011                      | Malignant neoplasm of nipple and areola, right fema   | 24                        | Cancer of brea                   |
| 10                           | C50012                      | Malignant neoplasm of nipple and areola, left femal   | 24                        | Cancer of brea                   |
| 10                           | C50019                      | Malignant neoplasm of nipple and areola, unsp femal   | 24                        | Cancer of brea                   |
| 10                           | C50021                      | Malignant neoplasm of nipple and areola, right male   | 24                        | Cancer of brea                   |
| 10                           | C50022                      | Malignant neoplasm of nipple and areola, left male    | 24                        | Cancer of brea                   |
| 10                           | C50029                      | Malignant neoplasm of nipple and areola, unsp male    | 24                        | Cancer of brea                   |
| 10                           | C50111                      | Malignant neoplasm of central portion of right fema   | 24                        | Cancer of brea                   |
| 10                           | C50112                      | Malignant neoplasm of central portion of left femal   | 24                        | Cancer of brea                   |
| 10                           | C50119                      | Malignant neoplasm of central portion of unsp femal   | 24                        | Cancer of brea                   |
| 10                           | C50121                      | Malignant neoplasm of central portion of right male   | 24                        | Cancer of brea                   |
| 10                           | C50122                      | Malignant neoplasm of central portion of left male    | 24                        | Cancer of brea                   |
| 10                           | C50129                      | Malignant neoplasm of central portion of unsp male    | 24                        | Cancer of brea                   |
| 10                           | C50211                      | Malig neoplasm of upper-inner quadrant of right femal | 24                        | Cancer of brea                   |
| 10                           | C50212                      | Malig neoplasm of upper-inner quadrant of left fema   | 24                        | Cancer of brea                   |
| 10                           | C50219                      | Malig neoplasm of upper-inner quadrant of unsp fema   | 24                        | Cancer of brea                   |
| 10                           | C50221                      | Malig neoplasm of upper-inner quadrant of right mal   | 24                        | Cancer of brea                   |
| 10                           | C50222                      | Malig neoplasm of upper-inner quadrant of left male   | 24                        | Cancer of brea                   |
| 10                           | C50229                      | Malig neoplasm of upper-inner quadrant of unsp male   | 24                        | Cancer of brea                   |
| 10                           | C50311                      | Malig neoplasm of lower-inner quadrant of right femal | 24                        | Cancer of brea                   |
| 10                           | C50312                      | Malig neoplasm of lower-inner quadrant of left fema   | 24                        | Cancer of brea                   |
| 10                           | C50319                      | Malig neoplasm of lower-inner quadrant of unsp fema   | 24                        | Cancer of brea                   |
| 10                           | C50321                      | Malig neoplasm of lower-inner quadrant of right mal   | 24                        | Cancer of brea                   |
| 10                           | C50322                      | Malig neoplasm of lower-inner quadrant of left male   | 24                        | Cancer of brea                   |
| 10                           | C50329                      | Malig neoplasm of lower-inner quadrant of unsp male   | 24                        | Cancer of brea                   |
| 10                           | C50411                      | Malig neoplasm of upper-outer quadrant of right femal | 24                        | Cancer of brea                   |
| 10                           | C50412                      | Malig neoplasm of upper-outer quadrant of left fema   | 24                        | Cancer of brea                   |
| 10                           | C50419                      | Malig neoplasm of upper-outer quadrant of unsp fema   | 24                        | Cancer of brea                   |
| 10                           | C50421                      | Malig neoplasm of upper-outer quadrant of right mal   | 24                        | Cancer of brea                   |
| 10                           | C50422                      | Malig neoplasm of upper-outer quadrant of left male   | 24                        | Cancer of brea                   |
| 10                           | C50429                      | Malig neoplasm of upper-outer quadrant of unsp male   | 24                        | Cancer of brea                   |
| 10                           | C50511                      | Malig neoplasm of lower-outer quadrant of right femal | 24                        | Cancer of brea                   |
| 10                           | C50512                      | Malig neoplasm of lower-outer quadrant of left fema   | 24                        | Cancer of brea                   |
| 10                           | C50519                      | Malig neoplasm of lower-outer quadrant of unsp fema   | 24                        | Cancer of brea                   |
| 10                           | C50521                      | Malig neoplasm of lower-outer quadrant of right mal   | 24                        | Cancer of brea                   |
| 10                           | C50522                      | Malig neoplasm of lower-outer quadrant of left male   | 24                        | Cancer of brea                   |
| 10                           | C50529                      | Malig neoplasm of lower-outer quadrant of unsp male   | 24                        | Cancer of brea                   |
| 10                           | C50611                      | Malignant neoplasm of axillary tail of right female   | 24                        | Cancer of brea                   |
| 10                           | C50612                      | Malignant neoplasm of axillary tail of left female    | 24                        | Cancer of brea                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                          | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | C50619                      | Malignant neoplasm of axillary tail of unsp female    | 24                        | Cancer of brea                   |
| 10                           | C50621                      | Malignant neoplasm of axillary tail of right male b   | 24                        | Cancer of brea                   |
| 10                           | C50622                      | Malignant neoplasm of axillary tail of left male br   | 24                        | Cancer of brea                   |
| 10                           | C50629                      | Malignant neoplasm of axillary tail of unsp male br   | 24                        | Cancer of brea                   |
| 10                           | C50811                      | Malignant neoplasm of ovrlp sites of right female b   | 24                        | Cancer of brea                   |
| 10                           | C50812                      | Malignant neoplasm of ovrlp sites of left female br   | 24                        | Cancer of brea                   |
| 10                           | C50819                      | Malignant neoplasm of ovrlp sites of unsp female br   | 24                        | Cancer of brea                   |
| 10                           | C50821                      | Malignant neoplasm of overlapping sites of right ma   | 24                        | Cancer of brea                   |
| 10                           | C50822                      | Malignant neoplasm of overlapping sites of left mal   | 24                        | Cancer of brea                   |
| 10                           | C50829                      | Malignant neoplasm of overlapping sites of unsp mal   | 24                        | Cancer of brea                   |
| 10                           | C50911                      | Malignant neoplasm of unsp site of right female bre   | 24                        | Cancer of brea                   |
| 10                           | C50912                      | Malignant neoplasm of unspecified site of left fema   | 24                        | Cancer of brea                   |
| 10                           | C50919                      | Malignant neoplasm of unsp site of unspecified fema   | 24                        | Cancer of brea                   |
| 10                           | C50921                      | Malignant neoplasm of unspecified site of right mal   | 24                        | Cancer of brea                   |
| 10                           | C50922                      | Malignant neoplasm of unspecified site of left male   | 24                        | Cancer of brea                   |
| 10                           | C50929                      | Malignant neoplasm of unsp site of unspecified male   | 24                        | Cancer of brea                   |
| 10                           | D0500                       | Lobular carcinoma in situ of unspecified breast       | 24                        | Cancer of brea                   |
| 10                           | D0501                       | Lobular carcinoma in situ of right breast             | 24                        | Cancer of brea                   |
| 10                           | D0502                       | Lobular carcinoma in situ of left breast              | 24                        | Cancer of brea                   |
| 10                           | D0510                       | Intraductal carcinoma in situ of unspecified breast   | 24                        | Cancer of brea                   |
| 10                           | D0511                       | Intraductal carcinoma in situ of right breast         | 24                        | Cancer of brea                   |
| 10                           | D0512                       | Intraductal carcinoma in situ of left breast          | 24                        | Cancer of brea                   |
| 10                           | D0580                       | Oth type of carcinoma in situ of unspecified breast   | 24                        | Cancer of brea                   |
| 10                           | D0581                       | Other specified type of carcinoma in situ of right    | 24                        | Cancer of brea                   |
| 10                           | D0582                       | Other specified type of carcinoma in situ of left b   | 24                        | Cancer of brea                   |
| 10                           | D0590                       | Unspecified type of carcinoma in situ of unspecifie   | 24                        | Cancer of brea                   |
| 10                           | D0591                       | Unspecified type of carcinoma in situ of right brea   | 24                        | Cancer of brea                   |
| 10                           | D0592                       | Unspecified type of carcinoma in situ of left breas   | 24                        | Cancer of brea                   |
| 10                           | Z853                        | Personal history of malignant neoplasm of breast      | 24                        | Cancer of brea                   |
| 10                           | Z86000                      | Personal history of in-situ neoplasm of breast        | 24                        | Cancer of brea                   |
| 10                           | C540                        | Malignant neoplasm of isthmus uteri                   | 25                        | Cancer of uter                   |
| 10                           | C541                        | Malignant neoplasm of endometrium                     | 25                        | Cancer of uter                   |
| 10                           | C542                        | Malignant neoplasm of myometrium                      | 25                        | Cancer of uter                   |
| 10                           | C543                        | Malignant neoplasm of fundus uteri                    | 25                        | Cancer of uter                   |
| 10                           | C548                        | Malignant neoplasm of overlapping sites of corpus u   | 25                        | Cancer of uter                   |
| 10                           | C549                        | Malignant neoplasm of corpus uteri, unspecified       | 25                        | Cancer of uter                   |
| 10                           | C55                         | Malignant neoplasm of uterus, part unspecified        | 25                        | Cancer of uter                   |
| 10                           | D070                        | Carcinoma in situ of endometrium                      | 25                        | Cancer of uter                   |
| 10                           | Z8542                       | Personal history of malignant neoplasm of oth prt u   | 25                        | Cancer of uter                   |
| 10                           | C530                        | Malignant neoplasm of endocervix                      | 26                        | Cancer of cerv                   |
| 10                           | C531                        | Malignant neoplasm of exocervix                       | 26                        | Cancer of cerv                   |
| 10                           | C538                        | Malignant neoplasm of overlapping sites of cervix u   | 26                        | Cancer of cerv                   |
| 10                           | C539                        | Malignant neoplasm of cervix uteri, unspecified       | 26                        | Cancer of cerv                   |
| 10                           | D060                        | Carcinoma in situ of endocervix                       | 26                        | Cancer of cerv                   |
| 10                           | D061                        | Carcinoma in situ of exocervix                        | 26                        | Cancer of cerv                   |
| 10                           | D067                        | Carcinoma in situ of other parts of cervix            | 26                        | Cancer of cerv                   |
| 10                           | D069                        | Carcinoma in situ of cervix, unspecified              | 26                        | Cancer of cerv                   |
| 10                           | R87610                      | Atyp squam cell of undet signifc cyto smr crvx (ASC-  | 26                        | Cancer of cerv                   |
| 10                           | R87611                      | Atyp squam cell not excl hi grd intrepith lesn cyto   | 26                        | Cancer of cerv                   |
| 10                           | R87612                      | Low grade intrepith lesion cyto smr crvx (LGSIL)      | 26                        | Cancer of cerv                   |
| 10                           | R87613                      | High grade intrepith lesion cyto smr crvx (HGSIL)     | 26                        | Cancer of cerv                   |
| 10                           | R87614                      | Cytologic evidence of malignancy on smear of cervix   | 26                        | Cancer of cerv                   |
| 10                           | Z8541                       | Personal history of malignant neoplasm of cervix ut   | 26                        | Cancer of cerv                   |
| 10                           | Z86001                      | Personal history of in-situ neoplasm of cervix uter   | 26                        | Cancer of cerv                   |
| 10                           | C561                        | Malignant neoplasm of right ovary                     | 27                        | Cancer of ovar                   |
| 10                           | C562                        | Malignant neoplasm of left ovary                      | 27                        | Cancer of ovar                   |
| 10                           | C569                        | Malignant neoplasm of unspecified ovary               | 27                        | Cancer of ovar                   |
| 10                           | Z8543                       | Personal history of malignant neoplasm of ovary       | 27                        | Cancer of ovar                   |
| 10                           | C510                        | Malignant neoplasm of labium majus                    | 28                        | Cancer of othe                   |
| 10                           | C511                        | Malignant neoplasm of labium minus                    | 28                        | Cancer of othe                   |
| 10                           | C512                        | Malignant neoplasm of clitoris                        | 28                        | Cancer of othe                   |
| 10                           | C518                        | Malignant neoplasm of overlapping sites of vulva      | 28                        | Cancer of othe                   |
| 10                           | C519                        | Malignant neoplasm of vulva, unspecified              | 28                        | Cancer of othe                   |
| 10                           | C52                         | Malignant neoplasm of vagina                          | 28                        | Cancer of othe                   |
| 10                           | C5700                       | Malignant neoplasm of unspecified fallopian tube      | 28                        | Cancer of othe                   |
| 10                           | C5701                       | Malignant neoplasm of right fallopian tube            | 28                        | Cancer of othe                   |
| 10                           | C5702                       | Malignant neoplasm of left fallopian tube             | 28                        | Cancer of othe                   |
| 10                           | C5710                       | Malignant neoplasm of unspecified broad ligament      | 28                        | Cancer of othe                   |
| 10                           | C5711                       | Malignant neoplasm of right broad ligament            | 28                        | Cancer of othe                   |
| 10                           | C5712                       | Malignant neoplasm of left broad ligament             | 28                        | Cancer of othe                   |
| 10                           | C5720                       | Malignant neoplasm of unspecified round ligament      | 28                        | Cancer of othe                   |
| 10                           | C5721                       | Malignant neoplasm of right round ligament            | 28                        | Cancer of othe                   |
| 10                           | C5722                       | Malignant neoplasm of left round ligament             | 28                        | Cancer of othe                   |
| 10                           | C573                        | Malignant neoplasm of parametrium                     | 28                        | Cancer of othe                   |
| 10                           | C574                        | Malignant neoplasm of uterine adnexa, unspecified     | 28                        | Cancer of othe                   |
| 10                           | C577                        | Malignant neoplasm of other specified female genita   | 28                        | Cancer of othe                   |
| 10                           | C578                        | Malignant neoplasm of ovrlp sites of female genita    | 28                        | Cancer of othe                   |
| 10                           | C579                        | Malignant neoplasm of female genital organ, unspeci   | 28                        | Cancer of othe                   |
| 10                           | C58                         | Malignant neoplasm of placenta                        | 28                        | Cancer of othe                   |
| 10                           | D071                        | Carcinoma in situ of vulva                            | 28                        | Cancer of othe                   |
| 10                           | D072                        | Carcinoma in situ of vagina                           | 28                        | Cancer of othe                   |
| 10                           | D0730                       | Carcinoma in situ of unspecified female genital org   | 28                        | Cancer of othe                   |
| 10                           | D0739                       | Carcinoma in situ of other female genital organs      | 28                        | Cancer of othe                   |
| 10                           | R87620                      | Atyp squam cell of undet signifc cyto smr vagin (ASC- | 28                        | Cancer of othe                   |
| 10                           | R87621                      | Atyp squam cell not excl hi grd intrepith lesn cyto   | 28                        | Cancer of othe                   |
| 10                           | R87622                      | Low grade intrepith lesion cyto smr vagin (LGSIL)     | 28                        | Cancer of othe                   |
| 10                           | R87623                      | High grade intrepith lesion cyto smr vagin (HGSIL)    | 28                        | Cancer of othe                   |
| 10                           | R87624                      | Cytologic evidence of malignancy on smear of vagina   | 28                        | Cancer of othe                   |
| 10                           | Z8540                       | Prsnl history of malig neoplsm of unsp female genita  | 28                        | Cancer of othe                   |
| 10                           | Z8544                       | Personal history of malig neoplasm of female genita   | 28                        | Cancer of othe                   |
| 10                           | C61                         | Malignant neoplasm of prostate                        | 29                        | Cancer of pros                   |
| 10                           | D075                        | Carcinoma in situ of prostate                         | 29                        | Cancer of pros                   |
| 10                           | Z8546                       | Personal history of malignant neoplasm of prostate    | 29                        | Cancer of pros                   |
| 10                           | C6200                       | Malignant neoplasm of unspecified undescended testis  | 30                        | Cancer of test                   |
| 10                           | C6201                       | Malignant neoplasm of undescended right testis        | 30                        | Cancer of test                   |
| 10                           | C6202                       | Malignant neoplasm of undescended left testis         | 30                        | Cancer of test                   |
| 10                           | C6210                       | Malignant neoplasm of unspecified descended testis    | 30                        | Cancer of test                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>  | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | C6211                       | Malignant neoplasm of descended right testis  | 30                        | Cancer of test                   |
| 10                           | C6212                       | Malignant neoplasm of descended left testis   | 30                        | Cancer of test                   |
| 10                           | C6290                       | Malignant neoplasm of unspecified testis, unspecified descended or undescended              | 30                        | Cancer of test                   |
| 10                           | C6291                       | Malignant neoplasm of right testis, unspecified descended or undescended                    | 30                        | Cancer of test                   |
| 10                           | C6292                       | Malignant neoplasm of left testis, unspecified descended or undescended                     | 30                        | Cancer of test                   |
| 10                           | Z8547                       | Personal history of malignant neoplasm of testis  | 30                        | Cancer of test                   |
| 10                           | C600                        | Malignant neoplasm of prepuce   | 31                        | Cancer of other                  |
| 10                           | C601                        | Malignant neoplasm of glans penis   | 31                        | Cancer of other                  |
| 10                           | C602                        | Malignant neoplasm of body of penis   | 31                        | Cancer of other                  |
| 10                           | C608                        | Malignant neoplasm of overlapping sites of penis  | 31                        | Cancer of other                  |
| 10                           | C609                        | Malignant neoplasm of penis, unspecified  | 31                        | Cancer of other                  |
| 10                           | C6300                       | Malignant neoplasm of unspecified epididymis  | 31                        | Cancer of other                  |
| 10                           | C6301                       | Malignant neoplasm of right epididymis  | 31                        | Cancer of other                  |
| 10                           | C6302                       | Malignant neoplasm of left epididymis   | 31                        | Cancer of other                  |
| 10                           | C6310                       | Malignant neoplasm of unspecified spermatic cord  | 31                        | Cancer of other                  |
| 10                           | C6311                       | Malignant neoplasm of right spermatic cord  | 31                        | Cancer of other                  |
| 10                           | C6312                       | Malignant neoplasm of left spermatic cord   | 31                        | Cancer of other                  |
| 10                           | C632                        | Malignant neoplasm of scrotum   | 31                        | Cancer of other                  |
| 10                           | C637                        | Malignant neoplasm of other specified male genital organ                                    | 31                        | Cancer of other                  |
| 10                           | C638                        | Malignant neoplasm of overlapping sites of male genital organ                               | 31                        | Cancer of other                  |
| 10                           | C639                        | Malignant neoplasm of male genital organ, unspecified                                       | 31                        | Cancer of other                  |
| 10                           | D074                        | Carcinoma in situ of penis  | 31                        | Cancer of other                  |
| 10                           | D0760                       | Carcinoma in situ of unspecified male genital organ   | 31                        | Cancer of other                  |
| 10                           | D0761                       | Carcinoma in situ of scrotum  | 31                        | Cancer of other                  |
| 10                           | D0769                       | Carcinoma in situ of other male genital organs  | 31                        | Cancer of other                  |
| 10                           | Z8545                       | Personal history of malignant neoplasm of unspecified male genital organ                    | 31                        | Cancer of other                  |
| 10                           | Z8548                       | Personal history of malignant neoplasm of epididymis  | 31                        | Cancer of other                  |
| 10                           | Z8549                       | Personal history of malignant neoplasm of male genital organ                                | 31                        | Cancer of other                  |
| 10                           | C670                        | Malignant neoplasm of trigone of bladder  | 32                        | Cancer of bladder                |
| 10                           | C671                        | Malignant neoplasm of dome of bladder   | 32                        | Cancer of bladder                |
| 10                           | C672                        | Malignant neoplasm of lateral wall of bladder   | 32                        | Cancer of bladder                |
| 10                           | C673                        | Malignant neoplasm of anterior wall of bladder  | 32                        | Cancer of bladder                |
| 10                           | C674                        | Malignant neoplasm of posterior wall of bladder   | 32                        | Cancer of bladder                |
| 10                           | C675                        | Malignant neoplasm of bladder neck  | 32                        | Cancer of bladder                |
| 10                           | C676                        | Malignant neoplasm of ureteric orifice  | 32                        | Cancer of bladder                |
| 10                           | C677                        | Malignant neoplasm of urachus   | 32                        | Cancer of bladder                |
| 10                           | C678                        | Malignant neoplasm of overlapping sites of bladder  | 32                        | Cancer of bladder                |
| 10                           | C679                        | Malignant neoplasm of bladder, unspecified  | 32                        | Cancer of bladder                |
| 10                           | D090                        | Carcinoma in situ of bladder  | 32                        | Cancer of bladder                |
| 10                           | Z8551                       | Personal history of malignant neoplasm of bladder   | 32                        | Cancer of bladder                |
| 10                           | C641                        | Malignant neoplasm of right kidney, except renal pelvis                                     | 33                        | Cancer of kidney                 |
| 10                           | C642                        | Malignant neoplasm of left kidney, except renal pelvis                                      | 33                        | Cancer of kidney                 |
| 10                           | C649                        | Malignant neoplasm of unspecified kidney, except renal pelvis                               | 33                        | Cancer of kidney                 |
| 10                           | C651                        | Malignant neoplasm of right renal pelvis  | 33                        | Cancer of kidney                 |
| 10                           | C652                        | Malignant neoplasm of left renal pelvis   | 33                        | Cancer of kidney                 |
| 10                           | C659                        | Malignant neoplasm of unspecified renal pelvis  | 33                        | Cancer of kidney                 |
| 10                           | C7A093                      | Malignant carcinoid tumor of the kidney   | 33                        | Cancer of kidney                 |
| 10                           | Z85528                      | Personal history of other malignant neoplasm of kidney                                      | 33                        | Cancer of kidney                 |
| 10                           | Z8553                       | Personal history of malignant neoplasm of renal pelvis                                      | 33                        | Cancer of kidney                 |
| 10                           | C661                        | Malignant neoplasm of right ureter  | 34                        | Cancer of other                  |
| 10                           | C662                        | Malignant neoplasm of left ureter   | 34                        | Cancer of other                  |
| 10                           | C669                        | Malignant neoplasm of unspecified ureter  | 34                        | Cancer of other                  |
| 10                           | C680                        | Malignant neoplasm of urethra   | 34                        | Cancer of other                  |
| 10                           | C681                        | Malignant neoplasm of paraurethral glands   | 34                        | Cancer of other                  |
| 10                           | C688                        | Malignant neoplasm of overlapping sites of urinary organ                                    | 34                        | Cancer of other                  |
| 10                           | C689                        | Malignant neoplasm of urinary organ, unspecified  | 34                        | Cancer of other                  |
| 10                           | D0910                       | Carcinoma in situ of unspecified urinary organ  | 34                        | Cancer of other                  |
| 10                           | D0919                       | Carcinoma in situ of other urinary organs   | 34                        | Cancer of other                  |
| 10                           | Z8550                       | Personal history of malignant neoplasm of unspecified urinary tract                         | 34                        | Cancer of other                  |
| 10                           | Z8554                       | Personal history of malignant neoplasm of ureter  | 34                        | Cancer of other                  |
| 10                           | Z8559                       | Personal history of malignant neoplasm of urinary tract                                     | 34                        | Cancer of other                  |
| 10                           | C470                        | Malignant neoplasm of peripheral nerves of head, face and neck                              | 35                        | Cancer of brain                  |
| 10                           | C4710                       | Malignant neoplasm of peripheral nerves of unspecified upper limb, including axillary nerve | 35                        | Cancer of brain                  |
| 10                           | C4711                       | Malignant neoplasm of peripheral nerves of right upper limb, including axillary nerve       | 35                        | Cancer of brain                  |
| 10                           | C4712                       | Malignant neoplasm of peripheral nerves of left upper limb, including axillary nerve        | 35                        | Cancer of brain                  |
| 10                           | C4720                       | Malignant neoplasm of peripheral nerves of unspecified lower limb, including sciatic nerve  | 35                        | Cancer of brain                  |
| 10                           | C4721                       | Malignant neoplasm of peripheral nerves of right lower limb, including sciatic nerve        | 35                        | Cancer of brain                  |
| 10                           | C4722                       | Malignant neoplasm of peripheral nerves of left lower limb, including sciatic nerve         | 35                        | Cancer of brain                  |
| 10                           | C473                        | Malignant neoplasm of peripheral nerves of thorax   | 35                        | Cancer of brain                  |
| 10                           | C474                        | Malignant neoplasm of peripheral nerves of abdomen  | 35                        | Cancer of brain                  |
| 10                           | C475                        | Malignant neoplasm of peripheral nerves of pelvis   | 35                        | Cancer of brain                  |
| 10                           | C476                        | Malignant neoplasm of peripheral nerves of trunk, including vagus nerve                     | 35                        | Cancer of brain                  |
| 10                           | C478                        | Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system   | 35                        | Cancer of brain                  |
| 10                           | C479                        | Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified           | 35                        | Cancer of brain                  |
| 10                           | C700                        | Malignant neoplasm of cerebral meninges   | 35                        | Cancer of brain                  |
| 10                           | C701                        | Malignant neoplasm of spinal meninges   | 35                        | Cancer of brain                  |
| 10                           | C709                        | Malignant neoplasm of meninges, unspecified   | 35                        | Cancer of brain                  |
| 10                           | C710                        | Malignant neoplasm of cerebrum, except lobes and cerebellum                                 | 35                        | Cancer of brain                  |
| 10                           | C711                        | Malignant neoplasm of frontal lobe  | 35                        | Cancer of brain                  |
| 10                           | C712                        | Malignant neoplasm of temporal lobe   | 35                        | Cancer of brain                  |
| 10                           | C713                        | Malignant neoplasm of parietal lobe   | 35                        | Cancer of brain                  |
| 10                           | C714                        | Malignant neoplasm of occipital lobe  | 35                        | Cancer of brain                  |
| 10                           | C715                        | Malignant neoplasm of cerebral ventricle  | 35                        | Cancer of brain                  |
| 10                           | C716                        | Malignant neoplasm of cerebellum  | 35                        | Cancer of brain                  |
| 10                           | C717                        | Malignant neoplasm of brain stem  | 35                        | Cancer of brain                  |
| 10                           | C718                        | Malignant neoplasm of overlapping sites of brain  | 35                        | Cancer of brain                  |
| 10                           | C719                        | Malignant neoplasm of brain, unspecified  | 35                        | Cancer of brain                  |
| 10                           | C720                        | Malignant neoplasm of spinal cord   | 35                        | Cancer of brain                  |
| 10                           | C721                        | Malignant neoplasm of cauda equina  | 35                        | Cancer of brain                  |
| 10                           | C7220                       | Malignant neoplasm of unspecified olfactory nerve   | 35                        | Cancer of brain                  |
| 10                           | C7221                       | Malignant neoplasm of right olfactory nerve   | 35                        | Cancer of brain                  |
| 10                           | C7222                       | Malignant neoplasm of left olfactory nerve  | 35                        | Cancer of brain                  |
| 10                           | C7230                       | Malignant neoplasm of unspecified optic nerve   | 35                        | Cancer of brain                  |
| 10                           | C7231                       | Malignant neoplasm of right optic nerve   | 35                        | Cancer of brain                  |
| 10                           | C7232                       | Malignant neoplasm of left optic nerve  | 35                        | Cancer of brain                  |
| 10                           | C7240                       | Malignant neoplasm of unspecified acoustic nerve  | 35                        | Cancer of brain                  |
| 10                           | C7241                       | Malignant neoplasm of right acoustic nerve  | 35                        | Cancer of brain                  |



**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                          | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | C7242                       | Malignant neoplasm of left acoustic nerve             | 35                        | Cancer of brai                   |
| 10                           | C7250                       | Malignant neoplasm of unspecified cranial nerve       | 35                        | Cancer of brai                   |
| 10                           | C7259                       | Malignant neoplasm of other cranial nerves            | 35                        | Cancer of brai                   |
| 10                           | C729                        | Malignant neoplasm of central nervous system, unspc   | 35                        | Cancer of brai                   |
| 10                           | Z85841                      | Personal history of malignant neoplasm of brain       | 35                        | Cancer of brai                   |
| 10                           | Z85848                      | Personal history of malignant neoplasm of prt nervo   | 35                        | Cancer of brai                   |
| 10                           | C73                         | Malignant neoplasm of thyroid gland                   | 36                        | Cancer of thyr                   |
| 10                           | D093                        | Carcinoma in situ of thyroid and other endocrine gl   | 36                        | Cancer of thyr                   |
| 10                           | E3122                       | Multiple endocrine neoplasia [MEN] type IIA           | 36                        | Cancer of thyr                   |
| 10                           | E3123                       | Multiple endocrine neoplasia [MEN] type IIB           | 36                        | Cancer of thyr                   |
| 10                           | Z85850                      | Personal history of malignant neoplasm of thyroid     | 36                        | Cancer of thyr                   |
| 10                           | C8100                       | Nodular lymphocyte predominant Hodgkin lymphoma, un   | 37                        | Hodgkin's dise                   |
| 10                           | C8101                       | Nodlr lymphocy predom Hdgkn lymph, nodes of head, f   | 37                        | Hodgkin's dise                   |
| 10                           | C8102                       | Nodular lymphocy predom Hodgkin lymphoma, intrathor   | 37                        | Hodgkin's dise                   |
| 10                           | C8103                       | Nodular lymphocyte predom Hodgkin lymphoma, intra-a   | 37                        | Hodgkin's dise                   |
| 10                           | C8104                       | Nodlr lymphocy predom Hdgkn lymph, nodes of axila an  | 37                        | Hodgkin's dise                   |
| 10                           | C8105                       | Nodlr lymphocy predom Hdgkn lymph, nodes of ing rgn   | 37                        | Hodgkin's dise                   |
| 10                           | C8106                       | Nodular lymphocyte predom Hodgkin lymphoma, intrape   | 37                        | Hodgkin's dise                   |
| 10                           | C8107                       | Nodular lymphocyte predominant Hodgkin lymphoma, sp   | 37                        | Hodgkin's dise                   |
| 10                           | C8108                       | Nodular lymphocyte predom Hodgkin lymphoma, nodes m   | 37                        | Hodgkin's dise                   |
| 10                           | C8109                       | Nodlr lymphocy predom Hdgkn lymph, extrnod & solid    | 37                        | Hodgkin's dise                   |
| 10                           | C8110                       | Nodular sclerosis Hodgkin lymphoma, unspecified sit   | 37                        | Hodgkin's dise                   |
| 10                           | C8111                       | Nodular scler Hodgkin lymph, nodes of head, face, a   | 37                        | Hodgkin's dise                   |
| 10                           | C8112                       | Nodular sclerosis Hodgkin lymphoma, intrathoracic lym | 37                        | Hodgkin's dise                   |
| 10                           | C8113                       | Nodular sclerosis Hodgkin lymphoma, intra-abd lymph   | 37                        | Hodgkin's dise                   |
| 10                           | C8114                       | Nodular scler Hodgkin lymph, nodes of axilla and up   | 37                        | Hodgkin's dise                   |
| 10                           | C8115                       | Nodlr scler Hdgkn lymph, nodes of ing region and lo   | 37                        | Hodgkin's dise                   |
| 10                           | C8116                       | Nodular sclerosis Hodgkin lymphoma, intrapelvic lym   | 37                        | Hodgkin's dise                   |
| 10                           | C8117                       | Nodular sclerosis Hodgkin lymphoma, spleen            | 37                        | Hodgkin's dise                   |
| 10                           | C8118                       | Nodular sclerosis Hodgkin lymphoma, lymph nodes mul   | 37                        | Hodgkin's dise                   |
| 10                           | C8119                       | Nodular scler Hodgkin lymph, extrnod and solid orga   | 37                        | Hodgkin's dise                   |
| 10                           | C8120                       | Mixed cellularity Hodgkin lymphoma, unspecified sit   | 37                        | Hodgkin's dise                   |
| 10                           | C8121                       | Mixed cellular Hodgkin lymph, nodes of head, face,    | 37                        | Hodgkin's dise                   |
| 10                           | C8122                       | Mixed cellularity Hodgkin lymphoma, intrathoracic lym | 37                        | Hodgkin's dise                   |
| 10                           | C8123                       | Mixed cellularity Hodgkin lymphoma, intra-abd lymph   | 37                        | Hodgkin's dise                   |
| 10                           | C8124                       | Mixed cellular Hodgkin lymph, nodes of axilla and u   | 37                        | Hodgkin's dise                   |
| 10                           | C8125                       | Mixed cellular Hdgkn lymph, nodes of ing rgn and lo   | 37                        | Hodgkin's dise                   |
| 10                           | C8126                       | Mixed cellularity Hodgkin lymphoma, intrapelvic lym   | 37                        | Hodgkin's dise                   |
| 10                           | C8127                       | Mixed cellularity Hodgkin lymphoma, spleen            | 37                        | Hodgkin's dise                   |
| 10                           | C8128                       | Mixed cellularity Hodgkin lymphoma, lymph nodes mul   | 37                        | Hodgkin's dise                   |
| 10                           | C8129                       | Mixed cellular Hodgkin lymph, extrnod and solid org   | 37                        | Hodgkin's dise                   |
| 10                           | C8130                       | Lymphocyte depleted Hodgkin lymphoma, unspecified s   | 37                        | Hodgkin's dise                   |
| 10                           | C8131                       | Lymphocy deplet Hodgkin lymph, nodes of head, face,   | 37                        | Hodgkin's dise                   |
| 10                           | C8132                       | Lymphocyte depleted Hodgkin lymphoma, intrathorac n   | 37                        | Hodgkin's dise                   |
| 10                           | C8133                       | Lymphocyte depleted Hodgkin lymphoma, intra-abd lym   | 37                        | Hodgkin's dise                   |
| 10                           | C8134                       | Lymphocy deplet Hdgkn lymph, nodes of axilla and up   | 37                        | Hodgkin's dise                   |
| 10                           | C8135                       | Lymphocy deplet Hdgkn lymph, nodes of ing rgn and l   | 37                        | Hodgkin's dise                   |
| 10                           | C8136                       | Lymphocyte depleted Hodgkin lymphoma, intrapelv lym   | 37                        | Hodgkin's dise                   |
| 10                           | C8137                       | Lymphocyte depleted Hodgkin lymphoma, spleen          | 37                        | Hodgkin's dise                   |
| 10                           | C8138                       | Lymphocyte depleted Hodgkin lymphoma, lymph nodes m   | 37                        | Hodgkin's dise                   |
| 10                           | C8139                       | Lymphocy deplet Hodgkin lymph, extrnod and solid or   | 37                        | Hodgkin's dise                   |
| 10                           | C8140                       | Lymphocyte-rich Hodgkin lymphoma, unspecified site    | 37                        | Hodgkin's dise                   |
| 10                           | C8141                       | Lymp-rich Hodgkin lymphoma, nodes of head, face, an   | 37                        | Hodgkin's dise                   |
| 10                           | C8142                       | Lymphocyte-rich Hodgkin lymphoma, intrathoracic lym   | 37                        | Hodgkin's dise                   |
| 10                           | C8143                       | Lymphocyte-rich Hodgkin lymphoma, intra-abd lymph n   | 37                        | Hodgkin's dise                   |
| 10                           | C8144                       | Lymp-rich Hodgkin lymphoma, nodes of axilla and upp   | 37                        | Hodgkin's dise                   |
| 10                           | C8145                       | Lymp-rich Hodgkin lymph, nodes of ing region and lo   | 37                        | Hodgkin's dise                   |
| 10                           | C8146                       | Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph   | 37                        | Hodgkin's dise                   |
| 10                           | C8147                       | Lymphocyte-rich Hodgkin lymphoma, spleen              | 37                        | Hodgkin's dise                   |
| 10                           | C8148                       | Lymphocyte-rich Hodgkin lymphoma, lymph nodes mult    | 37                        | Hodgkin's dise                   |
| 10                           | C8149                       | Lymp-rich Hodgkin lymphoma, extranodal and solid or   | 37                        | Hodgkin's dise                   |
| 10                           | C8170                       | Other Hodgkin lymphoma, unspecified site              | 37                        | Hodgkin's dise                   |
| 10                           | C8171                       | Other Hodgkin lymphoma, lymph nodes of head, face,    | 37                        | Hodgkin's dise                   |
| 10                           | C8172                       | Other Hodgkin lymphoma, intrathoracic lymph nodes     | 37                        | Hodgkin's dise                   |
| 10                           | C8173                       | Other Hodgkin lymphoma, intra-abdominal lymph nodes   | 37                        | Hodgkin's dise                   |
| 10                           | C8174                       | Other Hodgkin lymphoma, lymph nodes of axilla and u   | 37                        | Hodgkin's dise                   |
| 10                           | C8175                       | Other Hodgkin lymphoma, nodes of ing region and low   | 37                        | Hodgkin's dise                   |
| 10                           | C8176                       | Other Hodgkin lymphoma, intrapelvic lymph nodes       | 37                        | Hodgkin's dise                   |
| 10                           | C8177                       | Other Hodgkin lymphoma, spleen                        | 37                        | Hodgkin's dise                   |
| 10                           | C8178                       | Other Hodgkin lymphoma, lymph nodes of multiple sit   | 37                        | Hodgkin's dise                   |
| 10                           | C8179                       | Other Hodgkin lymphoma, extranodal and solid organ    | 37                        | Hodgkin's dise                   |
| 10                           | C8190                       | Hodgkin lymphoma, unspecified, unspecified site       | 37                        | Hodgkin's dise                   |
| 10                           | C8191                       | Hodgkin lymphoma, unsp, lymph nodes of head, face,    | 37                        | Hodgkin's dise                   |
| 10                           | C8192                       | Hodgkin lymphoma, unspecified, intrathoracic lymph    | 37                        | Hodgkin's dise                   |
| 10                           | C8193                       | Hodgkin lymphoma, unspecified, intra-abdominal lym    | 37                        | Hodgkin's dise                   |
| 10                           | C8194                       | Hodgkin lymphoma, unsp, lymph nodes of axilla and u   | 37                        | Hodgkin's dise                   |
| 10                           | C8195                       | Hodgkin lymphoma, unsp, nodes of ing region and low   | 37                        | Hodgkin's dise                   |
| 10                           | C8196                       | Hodgkin lymphoma, unspecified, intrapelvic lymph no   | 37                        | Hodgkin's dise                   |
| 10                           | C8197                       | Hodgkin lymphoma, unspecified, spleen                 | 37                        | Hodgkin's dise                   |
| 10                           | C8198                       | Hodgkin lymphoma, unspecified, lymph nodes of multi   | 37                        | Hodgkin's dise                   |
| 10                           | C8199                       | Hodgkin lymphoma, unsp, extranodal and solid organ    | 37                        | Hodgkin's dise                   |
| 10                           | Z8571                       | Personal history of Hodgkin lymphoma                  | 37                        | Hodgkin's dise                   |
| 10                           | C8200                       | Follicular lymphoma grade I, unspecified site         | 38                        | Non-Hodgkin's                    |
| 10                           | C8201                       | Follicular lymphoma grade I, nodes of head, face, a   | 38                        | Non-Hodgkin's                    |
| 10                           | C8202                       | Follicular lymphoma grade I, intrathoracic lymph no   | 38                        | Non-Hodgkin's                    |
| 10                           | C8203                       | Follicular lymphoma grade I, intra-abdominal lymph    | 38                        | Non-Hodgkin's                    |
| 10                           | C8204                       | Follicular lymphoma grade I, nodes of axilla and up   | 38                        | Non-Hodgkin's                    |
| 10                           | C8205                       | Folliclar lymph grade I, nodes of ing region and low  | 38                        | Non-Hodgkin's                    |
| 10                           | C8206                       | Follicular lymphoma grade I, intrapelvic lymph node   | 38                        | Non-Hodgkin's                    |
| 10                           | C8207                       | Follicular lymphoma grade I, spleen                   | 38                        | Non-Hodgkin's                    |
| 10                           | C8208                       | Follicular lymphoma grade I, lymph nodes of multipl   | 38                        | Non-Hodgkin's                    |
| 10                           | C8209                       | Follicular lymphoma grade I, extrnod and solid orga   | 38                        | Non-Hodgkin's                    |
| 10                           | C8210                       | Follicular lymphoma grade II, unspecified site        | 38                        | Non-Hodgkin's                    |
| 10                           | C8211                       | Follicular lymphoma grade II, nodes of head, face,    | 38                        | Non-Hodgkin's                    |
| 10                           | C8212                       | Follicular lymphoma grade II, intrathoracic lymph n   | 38                        | Non-Hodgkin's                    |
| 10                           | C8213                       | Follicular lymphoma grade II, intra-abdominal lymph   | 38                        | Non-Hodgkin's                    |
| 10                           | C8214                       | Follicular lymphoma grade II, nodes of axilla and u   | 38                        | Non-Hodgkin's                    |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                 | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | C8215                | Folliclar lymph grade II, nodes of ing region and lo  | 38                 | Non-Hodgkin's             |
| 10                    | C8216                | Follicular lymphoma grade II, intrapelvic lymph nod   | 38                 | Non-Hodgkin's             |
| 10                    | C8217                | Follicular lymphoma grade II, spleen                  | 38                 | Non-Hodgkin's             |
| 10                    | C8218                | Follicular lymphoma grade II, lymph nodes of multip   | 38                 | Non-Hodgkin's             |
| 10                    | C8219                | Follicular lymphoma grade II, extrnod and solid org   | 38                 | Non-Hodgkin's             |
| 10                    | C8220                | Follicular lymphoma grade III, unspecified, unspeci   | 38                 | Non-Hodgkin's             |
| 10                    | C8221                | Folliclar lymph grade III, unsp, nodes of head, face  | 38                 | Non-Hodgkin's             |
| 10                    | C8222                | Follicular lymphoma grade III, unsp, intrathorac ly   | 38                 | Non-Hodgkin's             |
| 10                    | C8223                | Follicular lymphoma grade III, unsp, intra-abd lymph  | 38                 | Non-Hodgkin's             |
| 10                    | C8224                | Folliclar lymph grade III, unsp, nodes of axila and u | 38                 | Non-Hodgkin's             |
| 10                    | C8225                | Folliclar lymph grade III, unsp, nodes of ing rgn an  | 38                 | Non-Hodgkin's             |
| 10                    | C8226                | Follicular lymphoma grade III, unsp, intrapelvic ly   | 38                 | Non-Hodgkin's             |
| 10                    | C8227                | Follicular lymphoma grade III, unspecified, spleen    | 38                 | Non-Hodgkin's             |
| 10                    | C8228                | Follicular lymphoma grade III, unsp, lymph nodes mu   | 38                 | Non-Hodgkin's             |
| 10                    | C8229                | Folliclar lymph grade III, unsp, extrnod and solid o  | 38                 | Non-Hodgkin's             |
| 10                    | C8230                | Follicular lymphoma grade IIIa, unspecified site      | 38                 | Non-Hodgkin's             |
| 10                    | C8231                | Folliclar lymphoma grade IIIa, nodes of head, face,   | 38                 | Non-Hodgkin's             |
| 10                    | C8232                | Follicular lymphoma grade IIIa, intrathoracic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8233                | Follicular lymphoma grade IIIa, intra-abdominal lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8234                | Folliclar lymphoma grade IIIa, nodes of axilla and u  | 38                 | Non-Hodgkin's             |
| 10                    | C8235                | Folliclar lymph grade IIIa, nodes of ing rgn and low  | 38                 | Non-Hodgkin's             |
| 10                    | C8236                | Follicular lymphoma grade IIIa, intrapelvic lymph n   | 38                 | Non-Hodgkin's             |
| 10                    | C8237                | Follicular lymphoma grade IIIa, spleen                | 38                 | Non-Hodgkin's             |
| 10                    | C8238                | Follicular lymphoma grade IIIa, lymph nodes mult si   | 38                 | Non-Hodgkin's             |
| 10                    | C8239                | Folliclar lymphoma grade IIIa, extrnod and solid org  | 38                 | Non-Hodgkin's             |
| 10                    | C8240                | Follicular lymphoma grade IIIb, unspecified site      | 38                 | Non-Hodgkin's             |
| 10                    | C8241                | Folliclar lymphoma grade IIIb, nodes of head, face,   | 38                 | Non-Hodgkin's             |
| 10                    | C8242                | Follicular lymphoma grade IIIb, intrathoracic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8243                | Follicular lymphoma grade IIIb, intra-abdominal lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8244                | Folliclar lymphoma grade IIIb, nodes of axilla and u  | 38                 | Non-Hodgkin's             |
| 10                    | C8245                | Folliclar lymph grade IIIb, nodes of ing rgn and low  | 38                 | Non-Hodgkin's             |
| 10                    | C8246                | Follicular lymphoma grade IIIb, intrapelvic lymph n   | 38                 | Non-Hodgkin's             |
| 10                    | C8247                | Follicular lymphoma grade IIIb, spleen                | 38                 | Non-Hodgkin's             |
| 10                    | C8248                | Follicular lymphoma grade IIIb, lymph nodes mult si   | 38                 | Non-Hodgkin's             |
| 10                    | C8249                | Folliclar lymphoma grade IIIb, extrnod and solid org  | 38                 | Non-Hodgkin's             |
| 10                    | C8250                | Diffuse follicle center lymphoma, unspecified site    | 38                 | Non-Hodgkin's             |
| 10                    | C8251                | Diffuse folicl center lymph, nodes of head, face, a   | 38                 | Non-Hodgkin's             |
| 10                    | C8252                | Diffuse follicle center lymphoma, intrathoracic lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8253                | Diffuse follicle center lymphoma, intra-abd lymph n   | 38                 | Non-Hodgkin's             |
| 10                    | C8254                | Diffuse folicl center lymph, nodes of axilla and up   | 38                 | Non-Hodgkin's             |
| 10                    | C8255                | Diffus folicl cntr lymph, nodes of ing region and l   | 38                 | Non-Hodgkin's             |
| 10                    | C8256                | Diffuse follicle center lymphoma, intrapelvic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8257                | Diffuse follicle center lymphoma, spleen              | 38                 | Non-Hodgkin's             |
| 10                    | C8258                | Diffuse follicle center lymphoma, lymph nodes mult    | 38                 | Non-Hodgkin's             |
| 10                    | C8259                | Diffuse folicl center lymph, extrnod and solid orga   | 38                 | Non-Hodgkin's             |
| 10                    | C8260                | Cutaneous follicle center lymphoma, unspecified sit   | 38                 | Non-Hodgkin's             |
| 10                    | C8261                | Cutan folicl center lymphoma, nodes of head, face,    | 38                 | Non-Hodgkin's             |
| 10                    | C8262                | Cutaneous follicle center lymphoma, intrathorac lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8263                | Cutaneous follicle center lymphoma, intra-abd lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8264                | Cutan folicl center lymphoma, nodes of axilla and u   | 38                 | Non-Hodgkin's             |
| 10                    | C8265                | Cutan folicl cntr lymph, nodes of ing region and lo   | 38                 | Non-Hodgkin's             |
| 10                    | C8266                | Cutaneous follicle center lymphoma, intrapelvic lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8267                | Cutaneous follicle center lymphoma, spleen            | 38                 | Non-Hodgkin's             |
| 10                    | C8268                | Cutaneous follicle center lymphoma, lymph nodes mul   | 38                 | Non-Hodgkin's             |
| 10                    | C8269                | Cutan folicl center lymphoma, extrnod and solid org   | 38                 | Non-Hodgkin's             |
| 10                    | C8280                | Other types of follicular lymphoma, unspecified sit   | 38                 | Non-Hodgkin's             |
| 10                    | C8281                | Oth types of folliclar lymph, nodes of head, face, a  | 38                 | Non-Hodgkin's             |
| 10                    | C8282                | Oth types of follicular lymphoma, intrathoracic lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8283                | Oth types of follicular lymphoma, intra-abd lymph n   | 38                 | Non-Hodgkin's             |
| 10                    | C8284                | Oth types of folicl lymph, nodes of axilla and up     | 38                 | Non-Hodgkin's             |
| 10                    | C8285                | Oth types of folicl lymph, nodes of ing rgn and l     | 38                 | Non-Hodgkin's             |
| 10                    | C8286                | Other types of follicular lymphoma, intrapelvic lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8287                | Other types of follicular lymphoma, spleen            | 38                 | Non-Hodgkin's             |
| 10                    | C8288                | Oth types of follicular lymphoma, lymph nodes mult    | 38                 | Non-Hodgkin's             |
| 10                    | C8289                | Oth types of folicl lymph, extrnod and solid orga     | 38                 | Non-Hodgkin's             |
| 10                    | C8290                | Follicular lymphoma, unspecified, unspecified site    | 38                 | Non-Hodgkin's             |
| 10                    | C8291                | Follicular lymphoma, unsp, nodes of head, face, and   | 38                 | Non-Hodgkin's             |
| 10                    | C8292                | Follicular lymphoma, unspecified, intrathoracic lym   | 38                 | Non-Hodgkin's             |
| 10                    | C8293                | Follicular lymphoma, unsp, intra-abdominal lymph no   | 38                 | Non-Hodgkin's             |
| 10                    | C8294                | Follicular lymphoma, unsp, nodes of axilla and uppe   | 38                 | Non-Hodgkin's             |
| 10                    | C8295                | Folliclar lymphoma, unsp, nodes of ing region and lo  | 38                 | Non-Hodgkin's             |
| 10                    | C8296                | Follicular lymphoma, unspecified, intrapelvic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8297                | Follicular lymphoma, unspecified, spleen              | 38                 | Non-Hodgkin's             |
| 10                    | C8298                | Follicular lymphoma, unsp, lymph nodes of multiple    | 38                 | Non-Hodgkin's             |
| 10                    | C8299                | Follicular lymphoma, unsp, extranodal and solid org   | 38                 | Non-Hodgkin's             |
| 10                    | C8300                | Small cell B-cell lymphoma, unspecified site          | 38                 | Non-Hodgkin's             |
| 10                    | C8301                | Small cell B-cell lymphoma, nodes of head, face, an   | 38                 | Non-Hodgkin's             |
| 10                    | C8302                | Small cell B-cell lymphoma, intrathoracic lymph nod   | 38                 | Non-Hodgkin's             |
| 10                    | C8303                | Small cell B-cell lymphoma, intra-abdominal lymph n   | 38                 | Non-Hodgkin's             |
| 10                    | C8304                | Small cell B-cell lymphoma, nodes of axilla and upp   | 38                 | Non-Hodgkin's             |
| 10                    | C8305                | Small cell B-cell lymph, nodes of ing region and lo   | 38                 | Non-Hodgkin's             |
| 10                    | C8306                | Small cell B-cell lymphoma, intrapelvic lymph nodes   | 38                 | Non-Hodgkin's             |
| 10                    | C8307                | Small cell B-cell lymphoma, spleen                    | 38                 | Non-Hodgkin's             |
| 10                    | C8308                | Small cell B-cell lymphoma, lymph nodes of multiple   | 38                 | Non-Hodgkin's             |
| 10                    | C8309                | Small cell B-cell lymphoma, extranodal and solid or   | 38                 | Non-Hodgkin's             |
| 10                    | C8310                | Mantle cell lymphoma, unspecified site                | 38                 | Non-Hodgkin's             |
| 10                    | C8311                | Mantle cell lymphoma, lymph nodes of head, face, an   | 38                 | Non-Hodgkin's             |
| 10                    | C8312                | Mantle cell lymphoma, intrathoracic lymph nodes       | 38                 | Non-Hodgkin's             |
| 10                    | C8313                | Mantle cell lymphoma, intra-abdominal lymph nodes     | 38                 | Non-Hodgkin's             |
| 10                    | C8314                | Mantle cell lymphoma, lymph nodes of axilla and upp   | 38                 | Non-Hodgkin's             |
| 10                    | C8315                | Mantle cell lymphoma, nodes of ing region and lower   | 38                 | Non-Hodgkin's             |
| 10                    | C8316                | Mantle cell lymphoma, intrapelvic lymph nodes         | 38                 | Non-Hodgkin's             |
| 10                    | C8317                | Mantle cell lymphoma, spleen                          | 38                 | Non-Hodgkin's             |
| 10                    | C8318                | Mantle cell lymphoma, lymph nodes of multiple sites   | 38                 | Non-Hodgkin's             |
| 10                    | C8319                | Mantle cell lymphoma, extranodal and solid organ si   | 38                 | Non-Hodgkin's             |
| 10                    | C8330                | Diffuse large B-cell lymphoma, unspecified site       | 38                 | Non-Hodgkin's             |
| 10                    | C8331                | Diffuse large B-cell lymphoma, nodes of head, face,   | 38                 | Non-Hodgkin's             |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>   | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | C8332                       | Diffuse large B-cell lymphoma, intrathoracic lymph                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8333                       | Diffuse large B-cell lymphoma, intra-abdominal lymph                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8334                       | Diffuse large B-cell lymphoma, nodes of axilla and upper                         | 38                        | Non-Hodgkin's                    |
| 10                           | C8335                       | Diffuse large B-cell lymphoma, nodes of inguinal region and lower                | 38                        | Non-Hodgkin's                    |
| 10                           | C8336                       | Diffuse large B-cell lymphoma, intrapelvic lymph nodes                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8337                       | Diffuse large B-cell lymphoma, spleen  | 38                        | Non-Hodgkin's                    |
| 10                           | C8338                       | Diffuse large B-cell lymphoma, lymph nodes of multiple sites                     | 38                        | Non-Hodgkin's                    |
| 10                           | C8339                       | Diffuse large B-cell lymphoma, extranodal and solid organ sites                  | 38                        | Non-Hodgkin's                    |
| 10                           | C8350                       | Lymphoblastic (diffuse) lymphoma, unspecified site                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8351                       | Lymphoblastic lymphoma, nodes of head, face, and neck                            | 38                        | Non-Hodgkin's                    |
| 10                           | C8352                       | Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8353                       | Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8354                       | Lymphoblastic lymphoma, nodes of axilla and upper limb                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8355                       | Lymphoblastic lymphoma, nodes of inguinal region and lower                       | 38                        | Non-Hodgkin's                    |
| 10                           | C8356                       | Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8357                       | Lymphoblastic (diffuse) lymphoma, spleen   | 38                        | Non-Hodgkin's                    |
| 10                           | C8358                       | Lymphoblastic (diffuse) lymphoma, lymph nodes multiple                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8359                       | Lymphoblastic lymphoma, extranodal and solid organ sites                         | 38                        | Non-Hodgkin's                    |
| 10                           | C8370                       | Burkitt lymphoma, unspecified site   | 38                        | Non-Hodgkin's                    |
| 10                           | C8371                       | Burkitt lymphoma, lymph nodes of head, face, and neck                            | 38                        | Non-Hodgkin's                    |
| 10                           | C8372                       | Burkitt lymphoma, intrathoracic lymph nodes                                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8373                       | Burkitt lymphoma, intra-abdominal lymph nodes                                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8374                       | Burkitt lymphoma, lymph nodes of axilla and upper limb                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8375                       | Burkitt lymphoma, nodes of inguinal region and lower                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8376                       | Burkitt lymphoma, intrapelvic lymph nodes  | 38                        | Non-Hodgkin's                    |
| 10                           | C8377                       | Burkitt lymphoma, spleen   | 38                        | Non-Hodgkin's                    |
| 10                           | C8378                       | Burkitt lymphoma, lymph nodes of multiple sites                                  | 38                        | Non-Hodgkin's                    |
| 10                           | C8379                       | Burkitt lymphoma, extranodal and solid organ sites                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8380                       | Other non-follicular lymphoma, unspecified site                                  | 38                        | Non-Hodgkin's                    |
| 10                           | C8381                       | Other non-follicular lymphoma, lymph nodes of head, face,                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8382                       | Other non-follicular lymphoma, intrathoracic lymph nodes                         | 38                        | Non-Hodgkin's                    |
| 10                           | C8383                       | Other non-follicular lymphoma, intra-abdominal lymph nodes                       | 38                        | Non-Hodgkin's                    |
| 10                           | C8384                       | Other non-follicular lymphoma, nodes of axilla and upper                         | 38                        | Non-Hodgkin's                    |
| 10                           | C8385                       | Other non-follicular lymphoma, nodes of inguinal region and lower                | 38                        | Non-Hodgkin's                    |
| 10                           | C8386                       | Other non-follicular lymphoma, intrapelvic lymph nodes                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8387                       | Other non-follicular lymphoma, spleen  | 38                        | Non-Hodgkin's                    |
| 10                           | C8388                       | Other non-follicular lymphoma, lymph nodes of multiple                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8389                       | Other non-follicular lymphoma, extranodal and solid organ                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8390                       | Non-follicular (diffuse) lymphoma, unspecified site                              | 38                        | Non-Hodgkin's                    |
| 10                           | C8391                       | Non-follicular lymphoma, unspecified site, nodes of head, face,                  | 38                        | Non-Hodgkin's                    |
| 10                           | C8392                       | Non-follicular (diffuse) lymphoma, unspecified site, intrathoracic               | 38                        | Non-Hodgkin's                    |
| 10                           | C8393                       | Non-follicular (diffuse) lymphoma, unspecified site, intra-abdominal             | 38                        | Non-Hodgkin's                    |
| 10                           | C8394                       | Non-follicular lymphoma, unspecified site, nodes of axilla and upper             | 38                        | Non-Hodgkin's                    |
| 10                           | C8395                       | Non-follicular lymphoma, unspecified site, nodes of inguinal region and lower    | 38                        | Non-Hodgkin's                    |
| 10                           | C8396                       | Non-follicular (diffuse) lymphoma, unspecified site, intrapelvic                 | 38                        | Non-Hodgkin's                    |
| 10                           | C8397                       | Non-follicular (diffuse) lymphoma, unspecified site, spleen                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8398                       | Non-follicular (diffuse) lymphoma, unspecified site, lymph nodes multiple        | 38                        | Non-Hodgkin's                    |
| 10                           | C8399                       | Non-follicular lymphoma, unspecified site, extranodal and solid organ            | 38                        | Non-Hodgkin's                    |
| 10                           | C8400                       | Mycosis fungoides, unspecified site  | 38                        | Non-Hodgkin's                    |
| 10                           | C8401                       | Mycosis fungoides, lymph nodes of head, face, and neck                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8402                       | Mycosis fungoides, intrathoracic lymph nodes                                     | 38                        | Non-Hodgkin's                    |
| 10                           | C8403                       | Mycosis fungoides, intra-abdominal lymph nodes                                   | 38                        | Non-Hodgkin's                    |
| 10                           | C8404                       | Mycosis fungoides, lymph nodes of axilla and upper                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8405                       | Mycosis fungoides, nodes of inguinal region and lower                            | 38                        | Non-Hodgkin's                    |
| 10                           | C8406                       | Mycosis fungoides, intrapelvic lymph nodes                                       | 38                        | Non-Hodgkin's                    |
| 10                           | C8407                       | Mycosis fungoides, spleen  | 38                        | Non-Hodgkin's                    |
| 10                           | C8408                       | Mycosis fungoides, lymph nodes of multiple sites                                 | 38                        | Non-Hodgkin's                    |
| 10                           | C8409                       | Mycosis fungoides, extranodal and solid organ sites                              | 38                        | Non-Hodgkin's                    |
| 10                           | C8410                       | Sezary disease, unspecified site   | 38                        | Non-Hodgkin's                    |
| 10                           | C8411                       | Sezary disease, lymph nodes of head, face, and neck                              | 38                        | Non-Hodgkin's                    |
| 10                           | C8412                       | Sezary disease, intrathoracic lymph nodes  | 38                        | Non-Hodgkin's                    |
| 10                           | C8413                       | Sezary disease, intra-abdominal lymph nodes                                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8414                       | Sezary disease, lymph nodes of axilla and upper limb                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8415                       | Sezary disease, nodes of inguinal region and lower                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8416                       | Sezary disease, intrapelvic lymph nodes  | 38                        | Non-Hodgkin's                    |
| 10                           | C8417                       | Sezary disease, spleen   | 38                        | Non-Hodgkin's                    |
| 10                           | C8418                       | Sezary disease, lymph nodes of multiple sites                                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8419                       | Sezary disease, extranodal and solid organ sites                                 | 38                        | Non-Hodgkin's                    |
| 10                           | C8440                       | Peripheral T-cell lymphoma, not classified, unspecified                          | 38                        | Non-Hodgkin's                    |
| 10                           | C8441                       | Peripheral T-cell lymphoma, not class, nodes of head, face,                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8442                       | Peripheral T-cell lymphoma, not class, intrathoracic                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8443                       | Peripheral T-cell lymphoma, not class, intra-abdominal                           | 38                        | Non-Hodgkin's                    |
| 10                           | C8444                       | Peripheral T-cell lymphoma, not class, nodes of axilla and upper                 | 38                        | Non-Hodgkin's                    |
| 10                           | C8445                       | Peripheral T-cell lymphoma, not class, nodes of inguinal region and lower        | 38                        | Non-Hodgkin's                    |
| 10                           | C8446                       | Peripheral T-cell lymphoma, not class, intrapelvic                               | 38                        | Non-Hodgkin's                    |
| 10                           | C8447                       | Peripheral T-cell lymphoma, not class, spleen                                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8448                       | Peripheral T-cell lymphoma, not class, lymph nodes multiple                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8449                       | Peripheral T-cell lymphoma, not class, extranodal and solid organ                | 38                        | Non-Hodgkin's                    |
| 10                           | C8460                       | Anaplastic large cell lymphoma, ALK-positive, unspecified                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8461                       | Anaplastic large cell lymphoma, ALK-positive, nodes of head, face,               | 38                        | Non-Hodgkin's                    |
| 10                           | C8462                       | Anaplastic large cell lymphoma, ALK-positive, intrathoracic                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8463                       | Anaplastic large cell lymphoma, ALK-positive, intra-abdominal                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8464                       | Anaplastic large cell lymphoma, ALK-positive, nodes of axilla and upper          | 38                        | Non-Hodgkin's                    |
| 10                           | C8465                       | Anaplastic large cell lymphoma, ALK-positive, nodes of inguinal region and lower | 38                        | Non-Hodgkin's                    |
| 10                           | C8466                       | Anaplastic large cell lymphoma, ALK-positive, intrapelvic                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8467                       | Anaplastic large cell lymphoma, ALK-positive, spleen                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8468                       | Anaplastic large cell lymphoma, ALK-positive, lymph nodes multiple               | 38                        | Non-Hodgkin's                    |
| 10                           | C8469                       | Anaplastic large cell lymphoma, ALK-positive, extranodal and solid               | 38                        | Non-Hodgkin's                    |
| 10                           | C8470                       | Anaplastic large cell lymphoma, ALK-negative, unspecified                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8471                       | Anaplastic large cell lymphoma, ALK-negative, nodes of head, face,               | 38                        | Non-Hodgkin's                    |
| 10                           | C8472                       | Anaplastic large cell lymphoma, ALK-negative, intrathoracic                      | 38                        | Non-Hodgkin's                    |
| 10                           | C8473                       | Anaplastic large cell lymphoma, ALK-negative, intra-abdominal                    | 38                        | Non-Hodgkin's                    |
| 10                           | C8474                       | Anaplastic large cell lymphoma, ALK-negative, nodes of axilla and upper          | 38                        | Non-Hodgkin's                    |
| 10                           | C8475                       | Anaplastic large cell lymphoma, ALK-negative, nodes of inguinal region and lower | 38                        | Non-Hodgkin's                    |
| 10                           | C8476                       | Anaplastic large cell lymphoma, ALK-negative, intrapelvic                        | 38                        | Non-Hodgkin's                    |
| 10                           | C8477                       | Anaplastic large cell lymphoma, ALK-negative, spleen                             | 38                        | Non-Hodgkin's                    |
| 10                           | C8478                       | Anaplastic large cell lymphoma, ALK-negative, lymph nodes multiple               | 38                        | Non-Hodgkin's                    |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | C8479                | Anaplastic cell lymph, ALK-neg, extrnod and solid      | 38                 | Non-Hodgkin's             |
| 10                    | C8490                | Mature T/NK-cell lymphomas, unspecified, unspecified   | 38                 | Non-Hodgkin's             |
| 10                    | C8491                | Mature T/NK-cell lymph, unsp, nodes of head, face,     | 38                 | Non-Hodgkin's             |
| 10                    | C8492                | Mature T/NK-cell lymphomas, unsp, intrathoracic lymph  | 38                 | Non-Hodgkin's             |
| 10                    | C8493                | Mature T/NK-cell lymphomas, unsp, intra-abd lymph n    | 38                 | Non-Hodgkin's             |
| 10                    | C8494                | Mature T/NK-cell lymph, unsp, nodes of axilla and u    | 38                 | Non-Hodgkin's             |
| 10                    | C8495                | Mature T/NK-cell lymph, unsp, nodes of ing rgn and     | 38                 | Non-Hodgkin's             |
| 10                    | C8496                | Mature T/NK-cell lymphomas, unsp, intrapelvic lymph    | 38                 | Non-Hodgkin's             |
| 10                    | C8497                | Mature T/NK-cell lymphomas, unspecified, spleen        | 38                 | Non-Hodgkin's             |
| 10                    | C8498                | Mature T/NK-cell lymphomas, unsp, lymph nodes mult     | 38                 | Non-Hodgkin's             |
| 10                    | C8499                | Mature T/NK-cell lymph, unsp, extrnod and solid org    | 38                 | Non-Hodgkin's             |
| 10                    | C84A0                | Cutaneous T-cell lymphoma, unspecified, unspecified    | 38                 | Non-Hodgkin's             |
| 10                    | C84A1                | Cutan T-cell lymphoma, unsp nodes of head, face, an    | 38                 | Non-Hodgkin's             |
| 10                    | C84A2                | Cutaneous T-cell lymphoma, unsp, intrathoracic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C84A3                | Cutaneous T-cell lymphoma, unsp, intra-abdominal lymph | 38                 | Non-Hodgkin's             |
| 10                    | C84A4                | Cutan T-cell lymphoma, unsp, nodes of axilla and up    | 38                 | Non-Hodgkin's             |
| 10                    | C84A5                | Cutan T-cell lymph, unsp, nodes of ing region and l    | 38                 | Non-Hodgkin's             |
| 10                    | C84A6                | Cutaneous T-cell lymphoma, unsp, intrapelvic lymph     | 38                 | Non-Hodgkin's             |
| 10                    | C84A7                | Cutaneous T-cell lymphoma, unspecified, spleen         | 38                 | Non-Hodgkin's             |
| 10                    | C84A8                | Cutaneous T-cell lymphoma, unsp, lymph nodes mult s    | 38                 | Non-Hodgkin's             |
| 10                    | C84A9                | Cutan T-cell lymphoma, unsp, extrnod and solid orga    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z0                | Other mature T/NK-cell lymphomas, unspecified site     | 38                 | Non-Hodgkin's             |
| 10                    | C84Z1                | Oth mature T/NK-cell lymph, nodes of head, face, an    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z2                | Other mature T/NK-cell lymphomas, intrathoracic lymph  | 38                 | Non-Hodgkin's             |
| 10                    | C84Z3                | Oth mature T/NK-cell lymphomas, intra-abdominal lymph  | 38                 | Non-Hodgkin's             |
| 10                    | C84Z4                | Oth mature T/NK-cell lymph, nodes of axilla and upp    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z5                | Oth mature T/NK-cell lymph, nodes of ing rgn and lo    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z6                | Other mature T/NK-cell lymphomas, intrapelvic lymph    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z7                | Other mature T/NK-cell lymphomas, spleen               | 38                 | Non-Hodgkin's             |
| 10                    | C84Z8                | Oth mature T/NK-cell lymphomas, lymph nodes mult si    | 38                 | Non-Hodgkin's             |
| 10                    | C84Z9                | Oth mature T/NK-cell lymph, extrnod and solid organ    | 38                 | Non-Hodgkin's             |
| 10                    | C8510                | Unspecified B-cell lymphoma, unspecified site          | 38                 | Non-Hodgkin's             |
| 10                    | C8511                | Unsp B-cell lymphoma, lymph nodes of head, face, an    | 38                 | Non-Hodgkin's             |
| 10                    | C8512                | Unspecified B-cell lymphoma, intrathoracic lymph no    | 38                 | Non-Hodgkin's             |
| 10                    | C8513                | Unspecified B-cell lymphoma, intra-abdominal lymph     | 38                 | Non-Hodgkin's             |
| 10                    | C8514                | Unsp B-cell lymphoma, lymph nodes of axilla and upp    | 38                 | Non-Hodgkin's             |
| 10                    | C8515                | Unsp B-cell lymphoma, nodes of ing region and lower    | 38                 | Non-Hodgkin's             |
| 10                    | C8516                | Unspecified B-cell lymphoma, intrapelvic lymph node    | 38                 | Non-Hodgkin's             |
| 10                    | C8517                | Unspecified B-cell lymphoma, spleen                    | 38                 | Non-Hodgkin's             |
| 10                    | C8518                | Unspecified B-cell lymphoma, lymph nodes of multipl    | 38                 | Non-Hodgkin's             |
| 10                    | C8519                | Unsp B-cell lymphoma, extrnodal and solid organ si     | 38                 | Non-Hodgkin's             |
| 10                    | C8520                | Mediastinal (thymic) large B-cell lymphoma, unsp       | 38                 | Non-Hodgkin's             |
| 10                    | C8521                | Mediastnl large B-cell lymph, nodes of head, face,     | 38                 | Non-Hodgkin's             |
| 10                    | C8522                | Mediastnl (thymic) large B-cell lymphoma, intrathor    | 38                 | Non-Hodgkin's             |
| 10                    | C8523                | Mediastinal (thymic) large B-cell lymphoma, intra-a    | 38                 | Non-Hodgkin's             |
| 10                    | C8524                | Mediastnl large B-cell lymph, nodes of axilla and u    | 38                 | Non-Hodgkin's             |
| 10                    | C8525                | Mediastnl lg B-cell lymph, nodes of ing rgn and low    | 38                 | Non-Hodgkin's             |
| 10                    | C8526                | Mediastinal (thymic) large B-cell lymphoma, intrape    | 38                 | Non-Hodgkin's             |
| 10                    | C8527                | Mediastinal (thymic) large B-cell lymphoma, spleen     | 38                 | Non-Hodgkin's             |
| 10                    | C8528                | Mediastinal (thymic) large B-cell lymphoma, nodes m    | 38                 | Non-Hodgkin's             |
| 10                    | C8529                | Mediastnl large B-cell lymph, extrnod and solid org    | 38                 | Non-Hodgkin's             |
| 10                    | C8580                | Oth types of non-Hodgkin lymphoma, unspecified site    | 38                 | Non-Hodgkin's             |
| 10                    | C8581                | Oth types of non-hodg lymph, nodes of head, face, a    | 38                 | Non-Hodgkin's             |
| 10                    | C8582                | Oth types of non-Hodgkin lymphoma, intrathoracic ly    | 38                 | Non-Hodgkin's             |
| 10                    | C8583                | Oth types of non-Hodgkin lymphoma, intra-abd lymph     | 38                 | Non-Hodgkin's             |
| 10                    | C8584                | Oth types of non-hodg lymph, nodes of axilla and up    | 38                 | Non-Hodgkin's             |
| 10                    | C8585                | Oth types of non-hodg lymph, nodes of ing rgn and l    | 38                 | Non-Hodgkin's             |
| 10                    | C8586                | Oth types of non-Hodgkin lymphoma, intrapelvic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8587                | Other specified types of non-Hodgkin lymphoma, sple    | 38                 | Non-Hodgkin's             |
| 10                    | C8588                | Oth types of non-Hodgkin lymphoma, lymph nodes mult    | 38                 | Non-Hodgkin's             |
| 10                    | C8589                | Oth types of non-hodg lymph, extrnod and solid orga    | 38                 | Non-Hodgkin's             |
| 10                    | C8590                | Non-Hodgkin lymphoma, unspecified, unspecified site    | 38                 | Non-Hodgkin's             |
| 10                    | C8591                | Non-Hodgkin lymphoma, unsp, nodes of head, face, an    | 38                 | Non-Hodgkin's             |
| 10                    | C8592                | Non-Hodgkin lymphoma, unspecified, intrathoracic lymph | 38                 | Non-Hodgkin's             |
| 10                    | C8593                | Non-Hodgkin lymphoma, unsp, intra-abdominal lymph n    | 38                 | Non-Hodgkin's             |
| 10                    | C8594                | Non-Hodgkin lymphoma, unsp, nodes of axilla and upp    | 38                 | Non-Hodgkin's             |
| 10                    | C8595                | Non-hodg lymphoma, unsp, nodes of ing region and lo    | 38                 | Non-Hodgkin's             |
| 10                    | C8596                | Non-Hodgkin lymphoma, unspecified, intrapelvic lymph   | 38                 | Non-Hodgkin's             |
| 10                    | C8597                | Non-Hodgkin lymphoma, unspecified, spleen              | 38                 | Non-Hodgkin's             |
| 10                    | C8598                | Non-Hodgkin lymphoma, unsp, lymph nodes of multiple    | 38                 | Non-Hodgkin's             |
| 10                    | C8599                | Non-Hodgkin lymphoma, unsp, extrnodal and solid or     | 38                 | Non-Hodgkin's             |
| 10                    | C860                 | Extranodal NK/T-cell lymphoma, nasal type              | 38                 | Non-Hodgkin's             |
| 10                    | C861                 | Hepatosplenic T-cell lymphoma                          | 38                 | Non-Hodgkin's             |
| 10                    | C862                 | Enteropathy-type (intestinal) T-cell lymphoma          | 38                 | Non-Hodgkin's             |
| 10                    | C863                 | Subcutaneous panniculitis-like T-cell lymphoma         | 38                 | Non-Hodgkin's             |
| 10                    | C864                 | Blastic NK-cell lymphoma                               | 38                 | Non-Hodgkin's             |
| 10                    | C865                 | Angioimmunoblastic T-cell lymphoma                     | 38                 | Non-Hodgkin's             |
| 10                    | C866                 | Primary cutaneous CD30-positive T-cell proliferatio    | 38                 | Non-Hodgkin's             |
| 10                    | C880                 | Waldenstrom macroglobulinemia                          | 38                 | Non-Hodgkin's             |
| 10                    | C882                 | Heavy chain disease                                    | 38                 | Non-Hodgkin's             |
| 10                    | C883                 | Immunoproliferative small intestinal disease           | 38                 | Non-Hodgkin's             |
| 10                    | C884                 | Extrnod mrgnl zn B-cell lymph of mucosa-assoc lymph    | 38                 | Non-Hodgkin's             |
| 10                    | C888                 | Other malignant immunoproliferative diseases           | 38                 | Non-Hodgkin's             |
| 10                    | C889                 | Malignant immunoproliferative disease, unspecified     | 38                 | Non-Hodgkin's             |
| 10                    | C964                 | Sarcoma of dendritic cells (accessory cells)           | 38                 | Non-Hodgkin's             |
| 10                    | C969                 | Malig neopl of lymphoid, hematopoetic and rel tissue   | 38                 | Non-Hodgkin's             |
| 10                    | C96Z                 | Oth malig neopl of lymphoid, hematopoetic and relate   | 38                 | Non-Hodgkin's             |
| 10                    | Z8572                | Personal history of non-Hodgkin lymphomas              | 38                 | Non-Hodgkin's             |
| 10                    | Z8579                | Prsnl hx of malig neopl of lymphoid, hematopoetic &    | 38                 | Non-Hodgkin's             |
| 10                    | C9010                | Plasma cell leukemia not having achieved remission     | 39                 | Leukemias                 |
| 10                    | C9011                | Plasma cell leukemia in remission                      | 39                 | Leukemias                 |
| 10                    | C9012                | Plasma cell leukemia in relapse                        | 39                 | Leukemias                 |
| 10                    | C9100                | Acute lymphoblastic leukemia not having achieved re    | 39                 | Leukemias                 |
| 10                    | C9101                | Acute lymphoblastic leukemia, in remission             | 39                 | Leukemias                 |
| 10                    | C9102                | Acute lymphoblastic leukemia, in relapse               | 39                 | Leukemias                 |
| 10                    | C9110                | Chronic lymphocytic leuk of B-cell type not achieve    | 39                 | Leukemias                 |
| 10                    | C9111                | Chronic lymphocytic leukemia of B-cell type in remi    | 39                 | Leukemias                 |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                         | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | C9112                       | Chronic lymphocytic leukemia of B-cell type in rela  | 39                        | Leukemias                        |
| 10                           | C9130                       | Prolymphocytic leukemia of B-cell type not achieve   | 39                        | Leukemias                        |
| 10                           | C9131                       | Prolymphocytic leukemia of B-cell type, in remissio  | 39                        | Leukemias                        |
| 10                           | C9132                       | Prolymphocytic leukemia of B-cell type, in relapse   | 39                        | Leukemias                        |
| 10                           | C9140                       | Hairy cell leukemia not having achieved remission    | 39                        | Leukemias                        |
| 10                           | C9141                       | Hairy cell leukemia, in remission                    | 39                        | Leukemias                        |
| 10                           | C9142                       | Hairy cell leukemia, in relapse                      | 39                        | Leukemias                        |
| 10                           | C9150                       | Adult T-cell lymph/leuk (HTLV-1-assoc) not achieve   | 39                        | Leukemias                        |
| 10                           | C9151                       | Adult T-cell lymphoma/leukemia (HTLV-1-assoc), in r  | 39                        | Leukemias                        |
| 10                           | C9152                       | Adult T-cell lymphoma/leukemia (HTLV-1-assoc), in r  | 39                        | Leukemias                        |
| 10                           | C9160                       | Prolymphocytic leukemia of T-cell type not achieve   | 39                        | Leukemias                        |
| 10                           | C9161                       | Prolymphocytic leukemia of T-cell type, in remissio  | 39                        | Leukemias                        |
| 10                           | C9162                       | Prolymphocytic leukemia of T-cell type, in relapse   | 39                        | Leukemias                        |
| 10                           | C9190                       | Lymphoid leukemia, unspecified not having achieved   | 39                        | Leukemias                        |
| 10                           | C9191                       | Lymphoid leukemia, unspecified, in remission         | 39                        | Leukemias                        |
| 10                           | C9192                       | Lymphoid leukemia, unspecified, in relapse           | 39                        | Leukemias                        |
| 10                           | C91A0                       | Mature B-cell leukemia Burkitt-type not achieve rem  | 39                        | Leukemias                        |
| 10                           | C91A1                       | Mature B-cell leukemia Burkitt-type, in remission    | 39                        | Leukemias                        |
| 10                           | C91A2                       | Mature B-cell leukemia Burkitt-type, in relapse      | 39                        | Leukemias                        |
| 10                           | C91Z0                       | Other lymphoid leukemia not having achieved remissi  | 39                        | Leukemias                        |
| 10                           | C91Z1                       | Other lymphoid leukemia, in remission                | 39                        | Leukemias                        |
| 10                           | C91Z2                       | Other lymphoid leukemia, in relapse                  | 39                        | Leukemias                        |
| 10                           | C9200                       | Acute myeloblastic leukemia, not having achieved re  | 39                        | Leukemias                        |
| 10                           | C9201                       | Acute myeloblastic leukemia, in remission            | 39                        | Leukemias                        |
| 10                           | C9202                       | Acute myeloblastic leukemia, in relapse              | 39                        | Leukemias                        |
| 10                           | C9210                       | Chronic myeloid leuk, BCR/ABL-positive, not achieve  | 39                        | Leukemias                        |
| 10                           | C9211                       | Chronic myeloid leukemia, BCR/ABL-positive, in remi  | 39                        | Leukemias                        |
| 10                           | C9212                       | Chronic myeloid leukemia, BCR/ABL-positive, in rela  | 39                        | Leukemias                        |
| 10                           | C9220                       | Atyp chronic myeloid leuk, BCR/ABL-neg, not achieve  | 39                        | Leukemias                        |
| 10                           | C9221                       | Atypical chronic myeloid leukemia, BCR/ABL-neg, in   | 39                        | Leukemias                        |
| 10                           | C9222                       | Atypical chronic myeloid leukemia, BCR/ABL-neg, in   | 39                        | Leukemias                        |
| 10                           | C9230                       | Myeloid sarcoma, not having achieved remission       | 39                        | Leukemias                        |
| 10                           | C9231                       | Myeloid sarcoma, in remission                        | 39                        | Leukemias                        |
| 10                           | C9232                       | Myeloid sarcoma, in relapse                          | 39                        | Leukemias                        |
| 10                           | C9240                       | Acute promyelocytic leukemia, not having achieved r  | 39                        | Leukemias                        |
| 10                           | C9241                       | Acute promyelocytic leukemia, in remission           | 39                        | Leukemias                        |
| 10                           | C9242                       | Acute promyelocytic leukemia, in relapse             | 39                        | Leukemias                        |
| 10                           | C9250                       | Acute myelomonocytic leukemia, not having achieved   | 39                        | Leukemias                        |
| 10                           | C9251                       | Acute myelomonocytic leukemia, in remission          | 39                        | Leukemias                        |
| 10                           | C9252                       | Acute myelomonocytic leukemia, in relapse            | 39                        | Leukemias                        |
| 10                           | C9260                       | Acute myeloid leukemia w 11q23-abnormality not achi  | 39                        | Leukemias                        |
| 10                           | C9261                       | Acute myeloid leukemia with 11q23-abnormality in re  | 39                        | Leukemias                        |
| 10                           | C9262                       | Acute myeloid leukemia with 11q23-abnormality in re  | 39                        | Leukemias                        |
| 10                           | C9290                       | Myeloid leukemia, unspecified, not having achieved   | 39                        | Leukemias                        |
| 10                           | C9291                       | Myeloid leukemia, unspecified in remission           | 39                        | Leukemias                        |
| 10                           | C9292                       | Myeloid leukemia, unspecified in relapse             | 39                        | Leukemias                        |
| 10                           | C92A0                       | Acute myeloid leuk w multiline dysplasia, not achiev | 39                        | Leukemias                        |
| 10                           | C92A1                       | Acute myeloid leukemia w multiline dysplasia, in rem | 39                        | Leukemias                        |
| 10                           | C92A2                       | Acute myeloid leukemia w multilineage dysplasia, in  | 39                        | Leukemias                        |
| 10                           | C92Z0                       | Other myeloid leukemia not having achieved remissio  | 39                        | Leukemias                        |
| 10                           | C92Z1                       | Other myeloid leukemia, in remission                 | 39                        | Leukemias                        |
| 10                           | C92Z2                       | Other myeloid leukemia, in relapse                   | 39                        | Leukemias                        |
| 10                           | C9300                       | Acute monoblastic/monocytic leukemia, not achieve r  | 39                        | Leukemias                        |
| 10                           | C9301                       | Acute monoblastic/monocytic leukemia, in remission   | 39                        | Leukemias                        |
| 10                           | C9302                       | Acute monoblastic/monocytic leukemia, in relapse     | 39                        | Leukemias                        |
| 10                           | C9310                       | Chronic myelomonocytic leukemia not achieve remissi  | 39                        | Leukemias                        |
| 10                           | C9311                       | Chronic myelomonocytic leukemia, in remission        | 39                        | Leukemias                        |
| 10                           | C9312                       | Chronic myelomonocytic leukemia, in relapse          | 39                        | Leukemias                        |
| 10                           | C9330                       | Juvenile myelomonocytic leukemia, not achieve remis  | 39                        | Leukemias                        |
| 10                           | C9331                       | Juvenile myelomonocytic leukemia, in remission       | 39                        | Leukemias                        |
| 10                           | C9332                       | Juvenile myelomonocytic leukemia, in relapse         | 39                        | Leukemias                        |
| 10                           | C9390                       | Monocytic leukemia, unsp, not having achieved remis  | 39                        | Leukemias                        |
| 10                           | C9391                       | Monocytic leukemia, unspecified in remission         | 39                        | Leukemias                        |
| 10                           | C9392                       | Monocytic leukemia, unspecified in relapse           | 39                        | Leukemias                        |
| 10                           | C93Z0                       | Other monocytic leukemia, not having achieved remis  | 39                        | Leukemias                        |
| 10                           | C93Z1                       | Other monocytic leukemia, in remission               | 39                        | Leukemias                        |
| 10                           | C93Z2                       | Other monocytic leukemia, in relapse                 | 39                        | Leukemias                        |
| 10                           | C9400                       | Acute erythroid leukemia, not having achieved remis  | 39                        | Leukemias                        |
| 10                           | C9401                       | Acute erythroid leukemia, in remission               | 39                        | Leukemias                        |
| 10                           | C9402                       | Acute erythroid leukemia, in relapse                 | 39                        | Leukemias                        |
| 10                           | C9420                       | Acute megakaryoblastic leukemia not achieve remissi  | 39                        | Leukemias                        |
| 10                           | C9421                       | Acute megakaryoblastic leukemia, in remission        | 39                        | Leukemias                        |
| 10                           | C9422                       | Acute megakaryoblastic leukemia, in relapse          | 39                        | Leukemias                        |
| 10                           | C9430                       | Mast cell leukemia not having achieved remission     | 39                        | Leukemias                        |
| 10                           | C9431                       | Mast cell leukemia, in remission                     | 39                        | Leukemias                        |
| 10                           | C9432                       | Mast cell leukemia, in relapse                       | 39                        | Leukemias                        |
| 10                           | C9440                       | Acute panmyelosis w myelofibrosis not achieve remis  | 39                        | Leukemias                        |
| 10                           | C9441                       | Acute panmyelosis with myelofibrosis, in remission   | 39                        | Leukemias                        |
| 10                           | C9442                       | Acute panmyelosis with myelofibrosis, in relapse     | 39                        | Leukemias                        |
| 10                           | C946                        | Myelodysplastic disease, not classified              | 39                        | Leukemias                        |
| 10                           | C9480                       | Other specified leukemias not having achieved remis  | 39                        | Leukemias                        |
| 10                           | C9481                       | Other specified leukemias, in remission              | 39                        | Leukemias                        |
| 10                           | C9482                       | Other specified leukemias, in relapse                | 39                        | Leukemias                        |
| 10                           | C9500                       | Acute leukemia of unsp cell type not achieve remiss  | 39                        | Leukemias                        |
| 10                           | C9501                       | Acute leukemia of unspecified cell type, in remissi  | 39                        | Leukemias                        |
| 10                           | C9502                       | Acute leukemia of unspecified cell type, in relapse  | 39                        | Leukemias                        |
| 10                           | C9510                       | Chronic leukemia of unsp cell type not achieve remi  | 39                        | Leukemias                        |
| 10                           | C9511                       | Chronic leukemia of unspecified cell type, in remis  | 39                        | Leukemias                        |
| 10                           | C9512                       | Chronic leukemia of unspecified cell type, in relap  | 39                        | Leukemias                        |
| 10                           | C9590                       | Leukemia, unspecified not having achieved remission  | 39                        | Leukemias                        |
| 10                           | C9591                       | Leukemia, unspecified, in remission                  | 39                        | Leukemias                        |
| 10                           | C9592                       | Leukemia, unspecified, in relapse                    | 39                        | Leukemias                        |
| 10                           | Z856                        | Personal history of leukemia                         | 39                        | Leukemias                        |
| 10                           | C9000                       | Multiple myeloma not having achieved remission       | 40                        | Multiple myelo                   |
| 10                           | C9001                       | Multiple myeloma in remission                        | 40                        | Multiple myelo                   |
| 10                           | C9002                       | Multiple myeloma in relapse                          | 40                        | Multiple myelo                   |
| 10                           | C9020                       | Extramedullary plasmacytoma not having achieved rem  | 40                        | Multiple myelo                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_decription |
|-----------------------|----------------------|---|--------------------|--------------------------|
| 10                    | C9021                | Extramedullary plasmacytoma in remission            | 40                 | Multiple myelo           |
| 10                    | C9022                | Extramedullary plasmacytoma in relapse              | 40                 | Multiple myelo           |
| 10                    | C9030                | Solitary plasmacytoma not having achieved remission | 40                 | Multiple myelo           |
| 10                    | C9031                | Solitary plasmacytoma in remission                  | 40                 | Multiple myelo           |
| 10                    | C9032                | Solitary plasmacytoma in relapse                    | 40                 | Multiple myelo           |
| 10                    | C37                  | Malignant neoplasm of thymus                        | 41                 | Cancer; other            |
| 10                    | C380                 | Malignant neoplasm of heart                         | 41                 | Cancer; other            |
| 10                    | C381                 | Malignant neoplasm of anterior mediastinum          | 41                 | Cancer; other            |
| 10                    | C382                 | Malignant neoplasm of posterior mediastinum         | 41                 | Cancer; other            |
| 10                    | C383                 | Malignant neoplasm of mediastinum, part unspecified | 41                 | Cancer; other            |
| 10                    | C388                 | Malig neopl of ovrlp sites of heart, mediastinum a  | 41                 | Cancer; other            |
| 10                    | C452                 | Mesothelioma of pericardium                         | 41                 | Cancer; other            |
| 10                    | C457                 | Mesothelioma of other sites                         | 41                 | Cancer; other            |
| 10                    | C460                 | Kaposi's sarcoma of skin                            | 41                 | Cancer; other            |
| 10                    | C461                 | Kaposi's sarcoma of soft tissue                     | 41                 | Cancer; other            |
| 10                    | C462                 | Kaposi's sarcoma of palate                          | 41                 | Cancer; other            |
| 10                    | C463                 | Kaposi's sarcoma of lymph nodes                     | 41                 | Cancer; other            |
| 10                    | C464                 | Kaposi's sarcoma of gastrointestinal sites          | 41                 | Cancer; other            |
| 10                    | C4650                | Kaposi's sarcoma of unspecified lung                | 41                 | Cancer; other            |
| 10                    | C4651                | Kaposi's sarcoma of right lung                      | 41                 | Cancer; other            |
| 10                    | C4652                | Kaposi's sarcoma of left lung                       | 41                 | Cancer; other            |
| 10                    | C467                 | Kaposi's sarcoma of other sites                     | 41                 | Cancer; other            |
| 10                    | C469                 | Kaposi's sarcoma, unspecified                       | 41                 | Cancer; other            |
| 10                    | C6900                | Malignant neoplasm of unspecified conjunctiva       | 41                 | Cancer; other            |
| 10                    | C6901                | Malignant neoplasm of right conjunctiva             | 41                 | Cancer; other            |
| 10                    | C6902                | Malignant neoplasm of left conjunctiva              | 41                 | Cancer; other            |
| 10                    | C6910                | Malignant neoplasm of unspecified cornea            | 41                 | Cancer; other            |
| 10                    | C6911                | Malignant neoplasm of right cornea                  | 41                 | Cancer; other            |
| 10                    | C6912                | Malignant neoplasm of left cornea                   | 41                 | Cancer; other            |
| 10                    | C6920                | Malignant neoplasm of unspecified retina            | 41                 | Cancer; other            |
| 10                    | C6921                | Malignant neoplasm of right retina                  | 41                 | Cancer; other            |
| 10                    | C6922                | Malignant neoplasm of left retina                   | 41                 | Cancer; other            |
| 10                    | C6930                | Malignant neoplasm of unspecified choroid           | 41                 | Cancer; other            |
| 10                    | C6931                | Malignant neoplasm of right choroid                 | 41                 | Cancer; other            |
| 10                    | C6932                | Malignant neoplasm of left choroid                  | 41                 | Cancer; other            |
| 10                    | C6940                | Malignant neoplasm of unspecified ciliary body      | 41                 | Cancer; other            |
| 10                    | C6941                | Malignant neoplasm of right ciliary body            | 41                 | Cancer; other            |
| 10                    | C6942                | Malignant neoplasm of left ciliary body             | 41                 | Cancer; other            |
| 10                    | C6950                | Malignant neoplasm of unspecified lacrimal gland an | 41                 | Cancer; other            |
| 10                    | C6951                | Malignant neoplasm of right lacrimal gland and duct | 41                 | Cancer; other            |
| 10                    | C6952                | Malignant neoplasm of left lacrimal gland and duct  | 41                 | Cancer; other            |
| 10                    | C6960                | Malignant neoplasm of unspecified orbit             | 41                 | Cancer; other            |
| 10                    | C6961                | Malignant neoplasm of right orbit                   | 41                 | Cancer; other            |
| 10                    | C6962                | Malignant neoplasm of left orbit                    | 41                 | Cancer; other            |
| 10                    | C6980                | Malignant neoplasm of ovrlp sites of unsp eye and a | 41                 | Cancer; other            |
| 10                    | C6981                | Malignant neoplasm of ovrlp sites of right eye and  | 41                 | Cancer; other            |
| 10                    | C6982                | Malignant neoplasm of ovrlp sites of left eye and a | 41                 | Cancer; other            |
| 10                    | C6990                | Malignant neoplasm of unspecified site of unspecifi | 41                 | Cancer; other            |
| 10                    | C6991                | Malignant neoplasm of unspecified site of right eye | 41                 | Cancer; other            |
| 10                    | C6992                | Malignant neoplasm of unspecified site of left eye  | 41                 | Cancer; other            |
| 10                    | C7400                | Malignant neoplasm of cortex of unspecified adrenal | 41                 | Cancer; other            |
| 10                    | C7401                | Malignant neoplasm of cortex of right adrenal gland | 41                 | Cancer; other            |
| 10                    | C7402                | Malignant neoplasm of cortex of left adrenal gland  | 41                 | Cancer; other            |
| 10                    | C7410                | Malignant neoplasm of medulla of unspecified adrena | 41                 | Cancer; other            |
| 10                    | C7411                | Malignant neoplasm of medulla of right adrenal glan | 41                 | Cancer; other            |
| 10                    | C7412                | Malignant neoplasm of medulla of left adrenal gland | 41                 | Cancer; other            |
| 10                    | C7490                | Malignant neoplasm of unsp part of unspecified adre | 41                 | Cancer; other            |
| 10                    | C7491                | Malignant neoplasm of unsp part of right adrenal gl | 41                 | Cancer; other            |
| 10                    | C7492                | Malignant neoplasm of unspecified part of left adre | 41                 | Cancer; other            |
| 10                    | C750                 | Malignant neoplasm of parathyroid gland             | 41                 | Cancer; other            |
| 10                    | C751                 | Malignant neoplasm of pituitary gland               | 41                 | Cancer; other            |
| 10                    | C752                 | Malignant neoplasm of craniopharyngeal duct         | 41                 | Cancer; other            |
| 10                    | C753                 | Malignant neoplasm of pineal gland                  | 41                 | Cancer; other            |
| 10                    | C754                 | Malignant neoplasm of carotid body                  | 41                 | Cancer; other            |
| 10                    | C755                 | Malignant neoplasm of aortic body and other paragan | 41                 | Cancer; other            |
| 10                    | C758                 | Malignant neoplasm with pluriglandular involvement, | 41                 | Cancer; other            |
| 10                    | C759                 | Malignant neoplasm of endocrine gland, unspecified  | 41                 | Cancer; other            |
| 10                    | C761                 | Malignant neoplasm of thorax                        | 41                 | Cancer; other            |
| 10                    | C762                 | Malignant neoplasm of abdomen                       | 41                 | Cancer; other            |
| 10                    | C763                 | Malignant neoplasm of pelvis                        | 41                 | Cancer; other            |
| 10                    | C7640                | Malignant neoplasm of unspecified upper limb        | 41                 | Cancer; other            |
| 10                    | C7641                | Malignant neoplasm of right upper limb              | 41                 | Cancer; other            |
| 10                    | C7642                | Malignant neoplasm of left upper limb               | 41                 | Cancer; other            |
| 10                    | C7650                | Malignant neoplasm of unspecified lower limb        | 41                 | Cancer; other            |
| 10                    | C7651                | Malignant neoplasm of right lower limb              | 41                 | Cancer; other            |
| 10                    | C7652                | Malignant neoplasm of left lower limb               | 41                 | Cancer; other            |
| 10                    | C768                 | Malignant neoplasm of other specified ill-defined s | 41                 | Cancer; other            |
| 10                    | C7A091               | Malignant carcinoid tumor of the thymus             | 41                 | Cancer; other            |
| 10                    | C7A094               | Malignant carcinoid tumor of the foregut, unspecifi | 41                 | Cancer; other            |
| 10                    | C7A095               | Malignant carcinoid tumor of the midgut, unspecifi  | 41                 | Cancer; other            |
| 10                    | C7A096               | Malignant carcinoid tumor of the hindgut, unspecifi | 41                 | Cancer; other            |
| 10                    | C960                 | Multifocal and multisystemic Langerhans-cell histio | 41                 | Cancer; other            |
| 10                    | C962                 | Malignant mast cell tumor                           | 41                 | Cancer; other            |
| 10                    | C965                 | Multifocal and unisystemic Langerhans-cell histiocy | 41                 | Cancer; other            |
| 10                    | C966                 | Unifocal Langerhans-cell histiocytosis              | 41                 | Cancer; other            |
| 10                    | C96A                 | Histiocytic sarcoma                                 | 41                 | Cancer; other            |
| 10                    | D0920                | Carcinoma in situ of unspecified eye                | 41                 | Cancer; other            |
| 10                    | D0921                | Carcinoma in situ of right eye                      | 41                 | Cancer; other            |
| 10                    | D0922                | Carcinoma in situ of left eye                       | 41                 | Cancer; other            |
| 10                    | D098                 | Carcinoma in situ of other specified sites          | 41                 | Cancer; other            |
| 10                    | D099                 | Carcinoma in situ, unspecified                      | 41                 | Cancer; other            |
| 10                    | Z85020               | Personal history of malignant carcinoid tumor of st | 41                 | Cancer; other            |
| 10                    | Z85030               | Personal history of malignant carcinoid tumor of lg | 41                 | Cancer; other            |
| 10                    | Z85040               | Personal history of malignant carcinoid tumor of re | 41                 | Cancer; other            |
| 10                    | Z85060               | Personal history of malignant carcinoid tumor of sm | 41                 | Cancer; other            |
| 10                    | Z85110               | Personal history of malig carcinoid tumor of bronc  | 41                 | Cancer; other            |
| 10                    | Z85230               | Personal history of malignant carcinoid tumor of th | 41                 | Cancer; other            |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                         | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | Z85238                      | Personal history of other malignant neoplasm of thy  | 41                        | Cancer; other                    |
| 10                           | Z8529                       | Prsnl history of malign neopl of resp and intrathor  | 41                        | Cancer; other                    |
| 10                           | Z85520                      | Personal history of malignant carcinoid tumor of ki  | 41                        | Cancer; other                    |
| 10                           | Z85821                      | Personal history of Merkel cell carcinoma            | 41                        | Cancer; other                    |
| 10                           | Z85830                      | Personal history of malignant neoplasm of bone       | 41                        | Cancer; other                    |
| 10                           | Z85831                      | Personal history of malignant neoplasm of soft tiss  | 41                        | Cancer; other                    |
| 10                           | Z85840                      | Personal history of malignant neoplasm of eye        | 41                        | Cancer; other                    |
| 10                           | Z85858                      | Personal history of malignant neoplasm of endocrine  | 41                        | Cancer; other                    |
| 10                           | Z8589                       | Personal history of malignant neoplasm of organs an  | 41                        | Cancer; other                    |
| 10                           | Z859                        | Personal history of malignant neoplasm, unspecified  | 41                        | Cancer; other                    |
| 10                           | Z86008                      | Personal history of in-situ neoplasm of other site   | 41                        | Cancer; other                    |
| 10                           | Z86012                      | Personal history of benign carcinoid tumor           | 41                        | Cancer; other                    |
| 10                           | Z86018                      | Personal history of other benign neoplasm            | 41                        | Cancer; other                    |
| 10                           | Z8603                       | Personal history of neoplasm of uncertain behavior   | 41                        | Cancer; other                    |
| 10                           | C770                        | Sec and unsp malign neoplasm of nodes of head, face  | 42                        | Secondary mali                   |
| 10                           | C771                        | Secondary and unsp malignant neoplasm of intrathora  | 42                        | Secondary mali                   |
| 10                           | C772                        | Secondary and unsp malignant neoplasm of intra-abd   | 42                        | Secondary mali                   |
| 10                           | C773                        | Sec and unsp malign neoplasm of axilla and upper lim | 42                        | Secondary mali                   |
| 10                           | C774                        | Sec and unsp malign neoplasm of inguinal and lower l | 42                        | Secondary mali                   |
| 10                           | C775                        | Secondary and unsp malignant neoplasm of intrapelv   | 42                        | Secondary mali                   |
| 10                           | C778                        | Sec and unsp malign neoplasm of nodes of multiple re | 42                        | Secondary mali                   |
| 10                           | C779                        | Secondary and unsp malignant neoplasm of lymph node  | 42                        | Secondary mali                   |
| 10                           | C7800                       | Secondary malignant neoplasm of unspecified lung     | 42                        | Secondary mali                   |
| 10                           | C7801                       | Secondary malignant neoplasm of right lung           | 42                        | Secondary mali                   |
| 10                           | C7802                       | Secondary malignant neoplasm of left lung            | 42                        | Secondary mali                   |
| 10                           | C781                        | Secondary malignant neoplasm of mediastinum          | 42                        | Secondary mali                   |
| 10                           | C782                        | Secondary malignant neoplasm of pleura               | 42                        | Secondary mali                   |
| 10                           | C7830                       | Secondary malignant neoplasm of unsp respiratory or  | 42                        | Secondary mali                   |
| 10                           | C7839                       | Secondary malignant neoplasm of other respiratory o  | 42                        | Secondary mali                   |
| 10                           | C784                        | Secondary malignant neoplasm of small intestine      | 42                        | Secondary mali                   |
| 10                           | C785                        | Secondary malignant neoplasm of large intestine and  | 42                        | Secondary mali                   |
| 10                           | C786                        | Secondary malignant neoplasm of retroperiton and pe  | 42                        | Secondary mali                   |
| 10                           | C787                        | Secondary malign neoplasm of liver and intrahepatic  | 42                        | Secondary mali                   |
| 10                           | C7880                       | Secondary malignant neoplasm of unspecified digesti  | 42                        | Secondary mali                   |
| 10                           | C7889                       | Secondary malignant neoplasm of other digestive org  | 42                        | Secondary mali                   |
| 10                           | C7900                       | Secondary malignant neoplasm of unsp kidney and ren  | 42                        | Secondary mali                   |
| 10                           | C7901                       | Secondary malignant neoplasm of r kidney and renal   | 42                        | Secondary mali                   |
| 10                           | C7902                       | Secondary malignant neoplasm of left kidney and ren  | 42                        | Secondary mali                   |
| 10                           | C7910                       | Secondary malignant neoplasm of unspecified urinary  | 42                        | Secondary mali                   |
| 10                           | C7911                       | Secondary malignant neoplasm of bladder              | 42                        | Secondary mali                   |
| 10                           | C7919                       | Secondary malignant neoplasm of other urinary organ  | 42                        | Secondary mali                   |
| 10                           | C792                        | Secondary malignant neoplasm of skin                 | 42                        | Secondary mali                   |
| 10                           | C7931                       | Secondary malignant neoplasm of brain                | 42                        | Secondary mali                   |
| 10                           | C7932                       | Secondary malignant neoplasm of cerebral meninges    | 42                        | Secondary mali                   |
| 10                           | C7940                       | Secondary malignant neoplasm of unsp part of nervou  | 42                        | Secondary mali                   |
| 10                           | C7949                       | Secondary malignant neoplasm of oth parts of nervou  | 42                        | Secondary mali                   |
| 10                           | C7951                       | Secondary malignant neoplasm of bone                 | 42                        | Secondary mali                   |
| 10                           | C7952                       | Secondary malignant neoplasm of bone marrow          | 42                        | Secondary mali                   |
| 10                           | C7960                       | Secondary malignant neoplasm of unspecified ovary    | 42                        | Secondary mali                   |
| 10                           | C7961                       | Secondary malignant neoplasm of right ovary          | 42                        | Secondary mali                   |
| 10                           | C7962                       | Secondary malignant neoplasm of left ovary           | 42                        | Secondary mali                   |
| 10                           | C7970                       | Secondary malignant neoplasm of unspecified adrenal  | 42                        | Secondary mali                   |
| 10                           | C7971                       | Secondary malignant neoplasm of right adrenal gland  | 42                        | Secondary mali                   |
| 10                           | C7972                       | Secondary malignant neoplasm of left adrenal gland   | 42                        | Secondary mali                   |
| 10                           | C7981                       | Secondary malignant neoplasm of breast               | 42                        | Secondary mali                   |
| 10                           | C7982                       | Secondary malignant neoplasm of genital organs       | 42                        | Secondary mali                   |
| 10                           | C7989                       | Secondary malignant neoplasm of other specified sit  | 42                        | Secondary mali                   |
| 10                           | C799                        | Secondary malignant neoplasm of unspecified site     | 42                        | Secondary mali                   |
| 10                           | C7B01                       | Secondary carcinoid tumors of distant lymph nodes    | 42                        | Secondary mali                   |
| 10                           | C7B02                       | Secondary carcinoid tumors of liver                  | 42                        | Secondary mali                   |
| 10                           | C7B03                       | Secondary carcinoid tumors of bone                   | 42                        | Secondary mali                   |
| 10                           | C7B04                       | Secondary carcinoid tumors of peritoneum             | 42                        | Secondary mali                   |
| 10                           | J910                        | Malignant pleural effusion                           | 42                        | Secondary mali                   |
| 10                           | R180                        | Malignant ascites                                    | 42                        | Secondary mali                   |
| 10                           | C459                        | Mesothelioma, unspecified                            | 43                        | Malignant neop                   |
| 10                           | C7A00                       | Malignant carcinoid tumor of unspecified site        | 43                        | Malignant neop                   |
| 10                           | C7A098                      | Malignant carcinoid tumors of other sites            | 43                        | Malignant neop                   |
| 10                           | C7A1                        | Malignant poorly differentiated neuroendocrine tumo  | 43                        | Malignant neop                   |
| 10                           | C7A8                        | Other malignant neuroendocrine tumors                | 43                        | Malignant neop                   |
| 10                           | C7B00                       | Secondary carcinoid tumors, unspecified site         | 43                        | Malignant neop                   |
| 10                           | C7B09                       | Secondary carcinoid tumors of other sites            | 43                        | Malignant neop                   |
| 10                           | C7B1                        | Secondary Merkel cell carcinoma                      | 43                        | Malignant neop                   |
| 10                           | C7B8                        | Other secondary neuroendocrine tumors                | 43                        | Malignant neop                   |
| 10                           | C800                        | Disseminated malignant neoplasm, unspecified         | 43                        | Malignant neop                   |
| 10                           | C801                        | Malignant (primary) neoplasm, unspecified            | 43                        | Malignant neop                   |
| 10                           | C802                        | Malignant neoplasm associated with transplanted org  | 43                        | Malignant neop                   |
| 10                           | D3701                       | Neoplasm of uncertain behavior of lip                | 44                        | Neoplasms of u                   |
| 10                           | D3702                       | Neoplasm of uncertain behavior of tongue             | 44                        | Neoplasms of u                   |
| 10                           | D37030                      | Neoplasm of uncertain behavior of the parotid saliv  | 44                        | Neoplasms of u                   |
| 10                           | D37031                      | Neoplasm of uncrct behavior of the sublingual saliva | 44                        | Neoplasms of u                   |
| 10                           | D37032                      | Neoplasm of uncrct behav of the submandibular saliva | 44                        | Neoplasms of u                   |
| 10                           | D37039                      | Neoplasm of uncrct behavior of the major salivary gl | 44                        | Neoplasms of u                   |
| 10                           | D3704                       | Neoplasm of uncertain behavior of the minor salivar  | 44                        | Neoplasms of u                   |
| 10                           | D3705                       | Neoplasm of uncertain behavior of pharynx            | 44                        | Neoplasms of u                   |
| 10                           | D3709                       | Neoplasm of uncertain behavior of sites of the oral  | 44                        | Neoplasms of u                   |
| 10                           | D371                        | Neoplasm of uncertain behavior of stomach            | 44                        | Neoplasms of u                   |
| 10                           | D372                        | Neoplasm of uncertain behavior of small intestine    | 44                        | Neoplasms of u                   |
| 10                           | D373                        | Neoplasm of uncertain behavior of appendix           | 44                        | Neoplasms of u                   |
| 10                           | D374                        | Neoplasm of uncertain behavior of colon              | 44                        | Neoplasms of u                   |
| 10                           | D375                        | Neoplasm of uncertain behavior of rectum             | 44                        | Neoplasms of u                   |
| 10                           | D376                        | Neoplasm of uncertain behavior of liver, GB & bile   | 44                        | Neoplasms of u                   |
| 10                           | D378                        | Neoplasm of uncertain behavior of oth digestive org  | 44                        | Neoplasms of u                   |
| 10                           | D379                        | Neoplasm of uncertain behavior of digestive organ,   | 44                        | Neoplasms of u                   |
| 10                           | D380                        | Neoplasm of uncertain behavior of larynx             | 44                        | Neoplasms of u                   |
| 10                           | D381                        | Neoplasm of uncertain behavior of trachea, bronchus  | 44                        | Neoplasms of u                   |
| 10                           | D382                        | Neoplasm of uncertain behavior of pleura             | 44                        | Neoplasms of u                   |
| 10                           | D383                        | Neoplasm of uncertain behavior of mediastinum        | 44                        | Neoplasms of u                   |

**A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                            | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | D384                        | Neoplasm of uncertain behavior of thymus                | 44                        | Neoplasms of u                   |
| 10                           | D385                        | Neoplasm of uncertain behavior of other respiratory     | 44                        | Neoplasms of u                   |
| 10                           | D386                        | Neoplasm of uncertain behavior of respiratory organ     | 44                        | Neoplasms of u                   |
| 10                           | D390                        | Neoplasm of uncertain behavior of uterus                | 44                        | Neoplasms of u                   |
| 10                           | D3910                       | Neoplasm of uncertain behavior of unspecified ovary     | 44                        | Neoplasms of u                   |
| 10                           | D3911                       | Neoplasm of uncertain behavior of right ovary           | 44                        | Neoplasms of u                   |
| 10                           | D3912                       | Neoplasm of uncertain behavior of left ovary            | 44                        | Neoplasms of u                   |
| 10                           | D392                        | Neoplasm of uncertain behavior of placenta              | 44                        | Neoplasms of u                   |
| 10                           | D398                        | Neoplasm of uncertain behavior of oth female genita     | 44                        | Neoplasms of u                   |
| 10                           | D399                        | Neoplasm of uncertain behavior of female genital or     | 44                        | Neoplasms of u                   |
| 10                           | D400                        | Neoplasm of uncertain behavior of prostate              | 44                        | Neoplasms of u                   |
| 10                           | D4010                       | Neoplasm of uncertain behavior of unspecified testi     | 44                        | Neoplasms of u                   |
| 10                           | D4011                       | Neoplasm of uncertain behavior of right testis          | 44                        | Neoplasms of u                   |
| 10                           | D4012                       | Neoplasm of uncertain behavior of left testis           | 44                        | Neoplasms of u                   |
| 10                           | D408                        | Neoplasm of uncertain behavior of oth male genital      | 44                        | Neoplasms of u                   |
| 10                           | D409                        | Neoplasm of uncertain behavior of male genital orga     | 44                        | Neoplasms of u                   |
| 10                           | D4100                       | Neoplasm of uncertain behavior of unspecified kidne     | 44                        | Neoplasms of u                   |
| 10                           | D4101                       | Neoplasm of uncertain behavior of right kidney          | 44                        | Neoplasms of u                   |
| 10                           | D4102                       | Neoplasm of uncertain behavior of left kidney           | 44                        | Neoplasms of u                   |
| 10                           | D4110                       | Neoplasm of uncertain behavior of unspecified renal     | 44                        | Neoplasms of u                   |
| 10                           | D4111                       | Neoplasm of uncertain behavior of right renal pelvi     | 44                        | Neoplasms of u                   |
| 10                           | D4112                       | Neoplasm of uncertain behavior of left renal pelvis     | 44                        | Neoplasms of u                   |
| 10                           | D4120                       | Neoplasm of uncertain behavior of unspecified urete     | 44                        | Neoplasms of u                   |
| 10                           | D4121                       | Neoplasm of uncertain behavior of right ureter          | 44                        | Neoplasms of u                   |
| 10                           | D4122                       | Neoplasm of uncertain behavior of left ureter           | 44                        | Neoplasms of u                   |
| 10                           | D413                        | Neoplasm of uncertain behavior of urethra               | 44                        | Neoplasms of u                   |
| 10                           | D414                        | Neoplasm of uncertain behavior of bladder               | 44                        | Neoplasms of u                   |
| 10                           | D418                        | Neoplasm of uncertain behavior of oth urinary organ     | 44                        | Neoplasms of u                   |
| 10                           | D419                        | Neoplasm of uncertain behavior of unspecified urina     | 44                        | Neoplasms of u                   |
| 10                           | D420                        | Neoplasm of uncertain behavior of cerebral meninges     | 44                        | Neoplasms of u                   |
| 10                           | D421                        | Neoplasm of uncertain behavior of spinal meninges       | 44                        | Neoplasms of u                   |
| 10                           | D429                        | Neoplasm of uncertain behavior of meninges, unspeci     | 44                        | Neoplasms of u                   |
| 10                           | D430                        | Neoplasm of uncertain behavior of brain, supratento     | 44                        | Neoplasms of u                   |
| 10                           | D431                        | Neoplasm of uncertain behavior of brain, infratento     | 44                        | Neoplasms of u                   |
| 10                           | D432                        | Neoplasm of uncertain behavior of brain, unspecif       | 44                        | Neoplasms of u                   |
| 10                           | D433                        | Neoplasm of uncertain behavior of cranial nerves        | 44                        | Neoplasms of u                   |
| 10                           | D434                        | Neoplasm of uncertain behavior of spinal cord           | 44                        | Neoplasms of u                   |
| 10                           | D438                        | Neoplasm of uncertain behavior of prt central nervo     | 44                        | Neoplasms of u                   |
| 10                           | D439                        | Neoplasm of uncertain behavior of cnsl, unsp            | 44                        | Neoplasms of u                   |
| 10                           | D440                        | Neoplasm of uncertain behavior of thyroid gland         | 44                        | Neoplasms of u                   |
| 10                           | D4410                       | Neoplasm of uncertain behavior of unspecified adren     | 44                        | Neoplasms of u                   |
| 10                           | D4411                       | Neoplasm of uncertain behavior of right adrenal gla     | 44                        | Neoplasms of u                   |
| 10                           | D4412                       | Neoplasm of uncertain behavior of left adrenal glan     | 44                        | Neoplasms of u                   |
| 10                           | D442                        | Neoplasm of uncertain behavior of parathyroid gland     | 44                        | Neoplasms of u                   |
| 10                           | D443                        | Neoplasm of uncertain behavior of pituitary gland       | 44                        | Neoplasms of u                   |
| 10                           | D444                        | Neoplasm of uncertain behavior of craniopharyngeal      | 44                        | Neoplasms of u                   |
| 10                           | D445                        | Neoplasm of uncertain behavior of pineal gland          | 44                        | Neoplasms of u                   |
| 10                           | D446                        | Neoplasm of uncertain behavior of carotid body          | 44                        | Neoplasms of u                   |
| 10                           | D447                        | Neoplasm of uncrct behav of aortic body and oth para    | 44                        | Neoplasms of u                   |
| 10                           | D449                        | Neoplasm of uncertain behavior of unsp endocrine gl     | 44                        | Neoplasms of u                   |
| 10                           | D45                         | Polycythemia vera                                       | 44                        | Neoplasms of u                   |
| 10                           | D460                        | Refractory anemia without ring sideroblasts, so sta     | 44                        | Neoplasms of u                   |
| 10                           | D461                        | Refractory anemia with ring sideroblasts                | 44                        | Neoplasms of u                   |
| 10                           | D4620                       | Refractory anemia with excess of blasts, unspecif       | 44                        | Neoplasms of u                   |
| 10                           | D4621                       | Refractory anemia with excess of blasts 1               | 44                        | Neoplasms of u                   |
| 10                           | D4622                       | Refractory anemia with excess of blasts 2               | 44                        | Neoplasms of u                   |
| 10                           | D464                        | Refractory anemia, unspecified                          | 44                        | Neoplasms of u                   |
| 10                           | D469                        | Myelodysplastic syndrome, unspecified                   | 44                        | Neoplasms of u                   |
| 10                           | D46A                        | Refractory cytopenia with multilineage dysplasia        | 44                        | Neoplasms of u                   |
| 10                           | D46B                        | Refract cytopenia w multiline dysplasia and ring sid    | 44                        | Neoplasms of u                   |
| 10                           | D46C                        | Myelodysplastic syndrome w isolated del(5q) chromso     | 44                        | Neoplasms of u                   |
| 10                           | D46Z                        | Other myelodysplastic syndromes                         | 44                        | Neoplasms of u                   |
| 10                           | D470                        | Histiocytic and mast cell tumors of uncertain behav     | 44                        | Neoplasms of u                   |
| 10                           | D471                        | Chronic myeloproliferative disease                      | 44                        | Neoplasms of u                   |
| 10                           | D472                        | Monoclonal gammopathy                                   | 44                        | Neoplasms of u                   |
| 10                           | D473                        | Essential (hemorrhagic) thrombocythemia                 | 44                        | Neoplasms of u                   |
| 10                           | D474                        | Osteomyelofibrosis                                      | 44                        | Neoplasms of u                   |
| 10                           | D479                        | Neoplasm of uncrct behav of lymphoid,hematpoetic & rel  | 44                        | Neoplasms of u                   |
| 10                           | D47Z1                       | Post-transplant lymphoproliferative disorder (PTLD)     | 44                        | Neoplasms of u                   |
| 10                           | D47Z2                       | Castleman disease                                       | 44                        | Neoplasms of u                   |
| 10                           | D47Z9                       | Oth neoplasm of uncrct behav of lymphoid, hematpoetic & | 44                        | Neoplasms of u                   |
| 10                           | D480                        | Neoplasm of uncertain behavior of bone/artic cartl      | 44                        | Neoplasms of u                   |
| 10                           | D481                        | Neoplasm of uncertain behavior of connectv/soft tiss    | 44                        | Neoplasms of u                   |
| 10                           | D482                        | Neoplasm of uncrct behav of prph nerves and autonm ner  | 44                        | Neoplasms of u                   |
| 10                           | D483                        | Neoplasm of uncertain behavior of retroperitoneum       | 44                        | Neoplasms of u                   |
| 10                           | D484                        | Neoplasm of uncertain behavior of peritoneum            | 44                        | Neoplasms of u                   |
| 10                           | D485                        | Neoplasm of uncertain behavior of skin                  | 44                        | Neoplasms of u                   |
| 10                           | D4860                       | Neoplasm of uncertain behavior of unspecified breas     | 44                        | Neoplasms of u                   |
| 10                           | D4861                       | Neoplasm of uncertain behavior of right breast          | 44                        | Neoplasms of u                   |
| 10                           | D4862                       | Neoplasm of uncertain behavior of left breast           | 44                        | Neoplasms of u                   |
| 10                           | D487                        | Neoplasm of uncertain behavior of other specified s     | 44                        | Neoplasms of u                   |
| 10                           | D489                        | Neoplasm of uncertain behavior, unspecified             | 44                        | Neoplasms of u                   |
| 10                           | D490                        | Neoplasm of unspecified behavior of digestive syste     | 44                        | Neoplasms of u                   |
| 10                           | D491                        | Neoplasm of unspecified behavior of respiratory sys     | 44                        | Neoplasms of u                   |
| 10                           | D492                        | Neoplasm of unsp behavior of bone, soft tissue, and     | 44                        | Neoplasms of u                   |
| 10                           | D493                        | Neoplasm of unspecified behavior of breast              | 44                        | Neoplasms of u                   |
| 10                           | D494                        | Neoplasm of unspecified behavior of bladder             | 44                        | Neoplasms of u                   |
| 10                           | D495                        | Neoplasm of unspecified behavior of other genitouri     | 44                        | Neoplasms of u                   |
| 10                           | D49511                      | Neoplasm of unspecified behavior of right kidney        | 44                        | Neoplasms of u                   |
| 10                           | D49512                      | Neoplasm of unspecified behavior of left kidney         | 44                        | Neoplasms of u                   |
| 10                           | D49519                      | Neoplasm of unspecified behavior of unspecified kid     | 44                        | Neoplasms of u                   |
| 10                           | D4959                       | Neoplasm of unspecified behavior of other GU organ      | 44                        | Neoplasms of u                   |
| 10                           | D496                        | Neoplasm of unspecified behavior of brain               | 44                        | Neoplasms of u                   |
| 10                           | D497                        | Neoplasm of unsp behav of endo glands and oth prt ner   | 44                        | Neoplasms of u                   |
| 10                           | D4981                       | Neoplasm of unspecified behavior of retina and chor     | 44                        | Neoplasms of u                   |
| 10                           | D4989                       | Neoplasm of unspecified behavior of other specified     | 44                        | Neoplasms of u                   |
| 10                           | D499                        | Neoplasm of unspecified behavior of unspecified sit     | 44                        | Neoplasms of u                   |



A list of ICD-10 codes used to identify a primary diagnosis of cancer for exclusion

| <u>Diagnosis_ICD_Version</u> | <u>Diagnosis_Code_value</u> | <u>Diagnosis_Description</u>                   | <u>AHRQ_Category_Code</u> | <u>AHRQ_Category_decription</u> |
|------------------------------|-----------------------------|--|---------------------------|---------------------------------|
| 10                           | Z510                        | Encounter for antineoplastic radiation therapy | 45                        | Maintenance ch                  |
| 10                           | Z5111                       | Encounter for antineoplastic chemotherapy      | 45                        | Maintenance ch                  |
| 10                           | Z5112                       | Encounter for antineoplastic immunotherapy     | 45                        | Maintenance ch                  |

**A list of ICD-9 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description        | AHRQ_Category_Code | AHRQ_Category_description                  |
|-----------------------|----------------------|------------------------------|--------------------|--|
| 9                     | 311                  | DEPRESSIVE DISORDER NEC      | 657                | Mood disorders                             |
| 9                     | 316                  | PSYCHIC FACTOR W OTH DIS     | 670                | Miscellaneous mental disorders             |
| 9                     | 317                  | MILD MENTAL RETARDATION      | 654                | Developmental disorders                    |
| 9                     | 319                  | -MENTAL RETARDATION NOS      | 654                | Developmental disorders                    |
| 9                     | 2939                 | TRANSIENT ORG MENTAL NOS     | 670                | Miscellaneous mental disorders             |
| 9                     | 2967                 | BIPOLAR AFFECTIVE NOS        | 657                | Mood disorders                             |
| 9                     | 2970                 | PARANOID STATE/ SIMPLE       | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2971                 | PARANOIA                     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2972                 | PARAPHRENIA                  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2973                 | SHARED PARANOID DISORDER     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2978                 | PARANOID STATES NEC          | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2979                 | PARANOID STATE NOS           | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2980                 | REACT DEPRESS PSYCHOSIS      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2981                 | EXCITATIV TYPE PSYCHOSIS     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2982                 | REACTIVE CONFUSION           | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2983                 | ACUTE PARANOID REACTION      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2984                 | PSYCHOGEN PARANOID PSYCH     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2988                 | REACT PSYCHOSIS NECNOS       | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 2989                 | -PSYCHOSIS NOS-              | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 3003                 | OBSESSIVE-COMPULSIVE DIS     | 651                | Anxiety disorders                          |
| 9                     | 3004                 | NEUROTIC DEPRESSION          | 657                | Mood disorders                             |
| 9                     | 3005                 | NEURASTHENIA                 | 651                | Anxiety disorders                          |
| 9                     | 3006                 | DEPERSONALIZATION SYND       | 670                | Miscellaneous mental disorders             |
| 9                     | 3007                 | HYPOCHONDRIASIS              | 670                | Miscellaneous mental disorders             |
| 9                     | 3009                 | NEUROTIC DISORDER NOS        | 651                | Anxiety disorders                          |
| 9                     | 3010                 | PARANOID PERSONALITY         | 658                | Personality disorders                      |
| 9                     | 3013                 | EXPLOSIVE PERSONALITY        | 658                | Personality disorders                      |
| 9                     | 3014                 | COMPULSIVE PERSONALITY       | 658                | Personality disorders                      |
| 9                     | 3016                 | DEPENDENT PERSONALITY        | 658                | Personality disorders                      |
| 9                     | 3017                 | ANTISOCIAL PERSONALITY       | 658                | Personality disorders                      |
| 9                     | 3019                 | PERSONALITY DISORDER NOS     | 658                | Personality disorders                      |
| 9                     | 3021                 | ZOOPHILIA                    | 670                | Miscellaneous mental disorders             |
| 9                     | 3022                 | PEDOPHILIA                   | 670                | Miscellaneous mental disorders             |
| 9                     | 3023                 | TRANSVESTISM                 | 670                | Miscellaneous mental disorders             |
| 9                     | 3024                 | EXHIBITIONISM                | 670                | Miscellaneous mental disorders             |
| 9                     | 3026                 | PSYCHOSEX IDENTITY DIS       | 670                | Miscellaneous mental disorders             |
| 9                     | 3029                 | PSYCHOSEXUAL DIS NOS         | 670                | Miscellaneous mental disorders             |
| 9                     | 3060                 | PSYCHOGEN MUSCULSKEL DIS     | 670                | Miscellaneous mental disorders             |
| 9                     | 3061                 | PSYCHOGENIC RESPIR DIS       | 670                | Miscellaneous mental disorders             |
| 9                     | 3062                 | PSYCHOGEN CARDIOVASC DIS     | 670                | Miscellaneous mental disorders             |
| 9                     | 3063                 | PSYCHOGENIC SKIN DISEASE     | 670                | Miscellaneous mental disorders             |
| 9                     | 3064                 | PSYCHOGENIC GI DISEASE       | 670                | Miscellaneous mental disorders             |
| 9                     | 3066                 | PSYCHOGEN ENDOCRINE DIS      | 670                | Miscellaneous mental disorders             |
| 9                     | 3067                 | PSYCHOGENIC SENSORY DIS      | 670                | Miscellaneous mental disorders             |
| 9                     | 3068                 | PSYCHOGENIC DISORDER NEC     | 670                | Miscellaneous mental disorders             |
| 9                     | 3069                 | PSYCHOGENIC DISORDER NOS     | 670                | Miscellaneous mental disorders             |
| 9                     | 3070                 | STAMMERING & STUTTERING      | 654                | Developmental disorders                    |
| 9                     | 3071                 | ANOREXIA NERVOSA             | 670                | Miscellaneous mental disorders             |
| 9                     | 3073                 | STEREOTYPED MOVEMENTS        | 655                | Disorders usually diagnosed in infancy/ch  |
| 9                     | 3076                 | ENURESIS                     | 655                | Disorders usually diagnosed in infancy/ch  |
| 9                     | 3077                 | ENCOPRESIS                   | 655                | Disorders usually diagnosed in infancy/ch  |
| 9                     | 3079                 | SPECIAL SYMPTOM NECNOS       | 654                | Developmental disorders                    |
| 9                     | 3080                 | STRESS REACT/ EMOTIONAL      | 651                | Anxiety disorders                          |
| 9                     | 3081                 | STRESS REACTION/ FUGUE       | 651                | Anxiety disorders                          |
| 9                     | 3082                 | STRESS REACT/ PSYCHOMOT      | 651                | Anxiety disorders                          |
| 9                     | 3083                 | ACUTE STRESS REACT NEC       | 651                | Anxiety disorders                          |
| 9                     | 3084                 | STRESS REACT/ MIXED DIS      | 651                | Anxiety disorders                          |
| 9                     | 3089                 | ACUTE STRESS REACT NOS       | 651                | Anxiety disorders                          |
| 9                     | 3090                 | BRIEF DEPRESSIVE REACT       | 650                | Adjustment disorders                       |
| 9                     | 3091                 | PROLONG DEPRESSIVE REACT     | 650                | Adjustment disorders                       |
| 9                     | 3093                 | ADJUST REACT-CONDUCT DIS     | 650                | Adjustment disorders                       |
| 9                     | 3094                 | ADJ REACT-EMOTIONCONDUCT     | 650                | Adjustment disorders                       |
| 9                     | 3099                 | ADJUSTMENT REACTION NOS      | 650                | Adjustment disorders                       |
| 9                     | 3101                 | ORGANIC PERSONALITY SYND     | 670                | Miscellaneous mental disorders             |
| 9                     | 3124                 | MIX DIS CONDUCTEMOTION       | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3128                 | OTHER CONDUCT DISTURB        | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3129                 | CONDUCT DISTURBANCE NOS      | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3130                 | OVERANXIOUS DISORDER         | 651                | Anxiety disorders                          |
| 9                     | 3131                 | MISERY & UNHAPPINESS DIS     | 651                | Anxiety disorders                          |
| 9                     | 3133                 | RELATIONSHIP PROBLEMS        | 651                | Anxiety disorders                          |
| 9                     | 3139                 | EMOTIONAL DIS CHILD NOS      | 655                | Disorders usually diagnosed in infancy/ch  |
| 9                     | 3141                 | HYPERKINET W DEVEL DELAY     | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3142                 | HYPERKINETIC CONDUCT DIS     | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3148                 | OTHER HYPERKINETIC SYND      | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3149                 | -HYPERKINETIC SYND NOS-      | 652                | Attention-deficit/conduct/disruptive beha  |
| 9                     | 3151                 | ARITHMETICAL DISORDER        | 654                | Developmental disorders                    |
| 9                     | 3152                 | OTH LEARNING DIFFICULTY      | 654                | Developmental disorders                    |
| 9                     | 3154                 | COORDINATION DISORDER        | 654                | Developmental disorders                    |
| 9                     | 3155                 | MIXED DEVELOPMENT DIS        | 654                | Developmental disorders                    |
| 9                     | 3158                 | DEVELOPMENT DELAYS NEC       | 654                | Developmental disorders                    |
| 9                     | 3159                 | DEVELOPMENT DELAY NOS        | 654                | Developmental disorders                    |
| 9                     | 3180                 | MOD MENTAL RETARDATION       | 654                | Developmental disorders                    |
| 9                     | 3181                 | SEVERE MENTAL RETARDAT       | 654                | Developmental disorders                    |
| 9                     | 3182                 | PROFOUND MENTAL RETARDAT     | 654                | Developmental disorders                    |
| 9                     | 29381                | ORGANIC DELUSIONAL SYND      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29382                | ORGANIC HALLUCINOSIS SYN     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29383                | ORGANIC AFFECTIVE SYND       | 657                | Mood disorders                             |
| 9                     | 29384                | ORGANIC ANXIETY SYND OCT96-- | 651                | Anxiety disorders                          |
| 9                     | 29389                | TRANSIENT ORG MENTAL NEC     | 670                | Miscellaneous mental disorders             |
| 9                     | 29500                | SIMPL SCHIZOPHREN-UNSPEC     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29501                | SIMPL SCHIZOPHREN-SUBCHR     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29502                | SIMPLE SCHIZOPHREN-CHR       | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29503                | SIMP SCHIZ-SUBCHREXACER      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29504                | SIMPL SCHIZO-CHREXACERB      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29505                | SIMPL SCHIZOPHREN-REMISS     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29510                | HEBEPHRENIA-UNSPEC           | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29511                | HEBEPHRENIA-SUBCHRONIC       | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29512                | HEBEPHRENIA-CHRONIC          | 659                | Schizophrenia and other psychotic disorder |

**A list of ICD-9 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description    | AHRQ_Category_Code | AHRQ_Category_description                  |
|-----------------------|----------------------|--------------------------|--------------------|--|
| 9                     | 29513                | HEBEPHREN-SUBCHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29514                | HEBEPHRENIA-CHREXACERB   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29515                | HEBEPHRENIA-REMISSION    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29520                | CATATONIA-UNSPEC         | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29521                | CATATONIA-SUBCHRONIC     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29522                | CATATONIA-CHRONIC        | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29523                | CATATONIA-SUBCHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29524                | CATATONIA-CHREXACERB     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29525                | CATATONIA-REMISSION      | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29530                | PARANOID SCHIZO-UNSPEC   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29531                | PARANOID SCHIZO-SUBCHR   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29532                | PARANOID SCHIZO-CHRONIC  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29533                | PARAN SCHIZO-SUBCHREXAC  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29534                | PARAN SCHIZO-CHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29535                | PARANOID SCHIZO-REMISS   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29540                | AC SCHIZOPHRENIA-UNSPEC  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29541                | AC SCHIZOPHRENIA-SUBCHR  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29542                | AC SCHIZOPHRENIA-CHR     | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29543                | AC SCHIZO-SUBCHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29544                | AC SCHIZOPHR-CHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29545                | AC SCHIZOPHRENIA-REMISS  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29550                | LATENT SCHIZOPHREN-UNSP  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29551                | LAT SCHIZOPHREN-SUBCHR   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29552                | LATENT SCHIZOPHREN-CHR   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29553                | LAT SCHIZO-SUBCHREXACER  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29554                | LATENT SCHIZO-CHREXACER  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29555                | LAT SCHIZOPHREN-REMISS   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29560                | RESID SCHIZOPHREN-UNSP   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29561                | RESID SCHIZOPHREN-SUBCHR | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29562                | RESIDUAL SCHIZOPHREN-CHR | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29563                | RESID SCHIZO-SUBCHREXAC  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29564                | RESID SCHIZO-CHREXACERB  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29565                | RESID SCHIZOPHREN-REMISS | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29570                | SCHIZOAFFECTIVE-UNSPEC   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29571                | SCHIZOAFFECTIVE-SUBCHR   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29572                | SCHIZOAFFECTIVE-CHRONIC  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29573                | SCHIZOAF-FF-SUBCHREXACER | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29574                | SCHIZOAF-FF-CHREXACER    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29575                | SCHIZOAFFECTIVE-REMISS   | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29580                | SCHIZOPHRENIA NEC-UNSPEC | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29581                | SCHIZOPHRENIA NEC-SUBCHR | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29582                | SCHIZOPHRENIA NEC-CHR    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29583                | SCHIZO NEC-SUBCHREXACER  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29584                | SCHIZO NEC-CHREXACERB    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29585                | SCHIZOPHRENIA NEC-REMISS | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29590                | SCHIZOPHRENIA NOS-UNSPEC | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29591                | SCHIZOPHRENIA NOS-SUBCHR | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29592                | SCHIZOPHRENIA NOS-CHR    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29593                | SCHIZO NOS-SUBCHREXACER  | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29594                | SCHIZO NOS-CHREXACERB    | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29595                | SCHIZOPHRENIA NOS-REMISS | 659                | Schizophrenia and other psychotic disorder |
| 9                     | 29600                | MANIC DISORDER-UNSPEC    | 657                | Mood disorders                             |
| 9                     | 29601                | MANIC DISORDER-MILD      | 657                | Mood disorders                             |
| 9                     | 29602                | MANIC DISORDER-MOD       | 657                | Mood disorders                             |
| 9                     | 29603                | MANIC DISORDER-SEVERE    | 657                | Mood disorders                             |
| 9                     | 29604                | MANIC DIS-SEVERE W PSYCH | 657                | Mood disorders                             |
| 9                     | 29605                | MANIC DIS-PARTIAL REMISS | 657                | Mood disorders                             |
| 9                     | 29606                | MANIC DIS-FULL REMISSION | 657                | Mood disorders                             |
| 9                     | 29610                | RECUR MANIC DIS-UNSPEC   | 657                | Mood disorders                             |
| 9                     | 29611                | RECUR MANIC DIS-MILD     | 657                | Mood disorders                             |
| 9                     | 29612                | RECUR MANIC DIS-MOD      | 657                | Mood disorders                             |
| 9                     | 29613                | RECUR MANIC DIS-SEVERE   | 657                | Mood disorders                             |
| 9                     | 29614                | RECUR MANIC-SEV W PSYCHO | 657                | Mood disorders                             |
| 9                     | 29615                | RECUR MANIC-PART REMISS  | 657                | Mood disorders                             |
| 9                     | 29616                | RECUR MANIC-FULL REMISS  | 657                | Mood disorders                             |
| 9                     | 29620                | DEPRESS PSYCHOSIS-UNSPEC | 657                | Mood disorders                             |
| 9                     | 29621                | DEPRESS PSYCHOSIS-MILD   | 657                | Mood disorders                             |
| 9                     | 29622                | DEPRESSIVE PSYCHOSIS-MOD | 657                | Mood disorders                             |
| 9                     | 29623                | DEPRESS PSYCHOSIS-SEVERE | 657                | Mood disorders                             |
| 9                     | 29624                | DEPR PSYCHOS-SEV W PSYCH | 657                | Mood disorders                             |
| 9                     | 29625                | DEPR PSYCHOS-PART REMISS | 657                | Mood disorders                             |
| 9                     | 29626                | DEPR PSYCHOS-FULL REMISS | 657                | Mood disorders                             |
| 9                     | 29630                | RECURR DEPR PSYCHOS-UNSP | 657                | Mood disorders                             |
| 9                     | 29631                | RECURR DEPR PSYCHOS-MILD | 657                | Mood disorders                             |
| 9                     | 29632                | RECURR DEPR PSYCHOS-MOD  | 657                | Mood disorders                             |
| 9                     | 29633                | RECUR DEPR PSYCH-SEVERE  | 657                | Mood disorders                             |
| 9                     | 29634                | REC DEPR PSYCH-PSYCHOTIC | 657                | Mood disorders                             |
| 9                     | 29635                | RECUR DEPR PSYC-PART REM | 657                | Mood disorders                             |
| 9                     | 29636                | RECUR DEPR PSYC-FULL REM | 657                | Mood disorders                             |
| 9                     | 29640                | BIPOL AFF/ MANIC-UNSPEC  | 657                | Mood disorders                             |
| 9                     | 29641                | BIPOLAR AFF/ MANIC-MILD  | 657                | Mood disorders                             |
| 9                     | 29642                | BIPOLAR AFFEC/ MANIC-MOD | 657                | Mood disorders                             |
| 9                     | 29643                | BIPOL AFF/ MANIC-SEVERE  | 657                | Mood disorders                             |
| 9                     | 29644                | BIPOL MANIC-SEV W PSYCH  | 657                | Mood disorders                             |
| 9                     | 29645                | BIPOL AFF MANIC-PART REM | 657                | Mood disorders                             |
| 9                     | 29646                | BIPOL AFF MANIC-FULL REM | 657                | Mood disorders                             |
| 9                     | 29650                | BIPOLAR AFF/ DEPR-UNSPEC | 657                | Mood disorders                             |
| 9                     | 29651                | BIPOLAR AFFEC/ DEPR-MILD | 657                | Mood disorders                             |
| 9                     | 29652                | BIPOLAR AFFEC/ DEPR-MOD  | 657                | Mood disorders                             |
| 9                     | 29653                | BIPOL AFF/ DEPR-SEVERE   | 657                | Mood disorders                             |
| 9                     | 29654                | BIPOL DEPR-SEV W PSYCH   | 657                | Mood disorders                             |
| 9                     | 29655                | BIPOL AFF DEPR-PART REM  | 657                | Mood disorders                             |
| 9                     | 29656                | BIPOL AFF DEPR-FULL REM  | 657                | Mood disorders                             |
| 9                     | 29660                | BIPOL AFF/ MIXED-UNSPEC  | 657                | Mood disorders                             |
| 9                     | 29661                | BIPOLAR AFF/ MIXED-MILD  | 657                | Mood disorders                             |
| 9                     | 29662                | BIPOLAR AFFEC/ MIXED-MOD | 657                | Mood disorders                             |
| 9                     | 29663                | BIPOL AFF/ MIXED-SEVERE  | 657                | Mood disorders                             |
| 9                     | 29664                | BIPOL MIXED-SEV W PSYCH  | 657                | Mood disorders                             |

**A list of ICD-9 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description      | AHRQ_Category_Code | AHRQ_Category_description                 |
|-----------------------|----------------------|----------------------------|--------------------|---|
| 9                     | 29665                | BIPOL AFF/ MIX-PART REM    | 657                | Mood disorders                            |
| 9                     | 29666                | BIPOL AFF/ MIX-FULL REM    | 657                | Mood disorders                            |
| 9                     | 29680                | MANIC-DEPRESSIVE NOS       | 657                | Mood disorders                            |
| 9                     | 29681                | ATYPICAL MANIC DISORDER    | 657                | Mood disorders                            |
| 9                     | 29682                | ATYPICAL DEPRESSIVE DIS    | 657                | Mood disorders                            |
| 9                     | 29689                | MANIC-DEPRESSIVE NEC       | 657                | Mood disorders                            |
| 9                     | 29690                | AFFECTIVE PSYCHOSIS NOS    | 657                | Mood disorders                            |
| 9                     | 29699                | AFFECTIVE PSYCHOSES NEC    | 657                | Mood disorders                            |
| 9                     | 29900                | INFANTILE AUTISM-ACTIVE    | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29901                | INFANTILE AUTISM-RESID     | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29910                | DISINTEGR PSYCH-ACTIVE     | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29911                | DISINTEGR PSYCH-RESIDUAL   | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29980                | CHILD PSYCHOS NEC-ACTIVE   | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29981                | CHILD PSYCHOS NEC-RESID    | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29990                | CHILD PSYCHOS NOS-ACTIVE   | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 29991                | -CHILD PSYCHOS NOS-RESID-  | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 30000                | ANXIETY STATE NOS          | 651                | Anxiety disorders                         |
| 9                     | 30001                | PANIC DISORDER             | 651                | Anxiety disorders                         |
| 9                     | 30002                | GENERALIZED ANXIETY DIS    | 651                | Anxiety disorders                         |
| 9                     | 30009                | ANXIETY STATE NEC          | 651                | Anxiety disorders                         |
| 9                     | 30010                | HYSTERIA NOS               | 651                | Anxiety disorders                         |
| 9                     | 30011                | CONVERSION DISORDER        | 670                | Miscellaneous mental disorders            |
| 9                     | 30012                | PSYCHOGENIC AMNESIA        | 670                | Miscellaneous mental disorders            |
| 9                     | 30013                | PSYCHOGENIC FUGUE          | 670                | Miscellaneous mental disorders            |
| 9                     | 30014                | MULTIPLE PERSONALITY       | 670                | Miscellaneous mental disorders            |
| 9                     | 30015                | DISSOCIATIVE REACT NOS     | 670                | Miscellaneous mental disorders            |
| 9                     | 30016                | FACTITIOUS ILL W SYMPTOM   | 670                | Miscellaneous mental disorders            |
| 9                     | 30019                | FACTITIOUS ILL NECNOS      | 670                | Miscellaneous mental disorders            |
| 9                     | 30020                | PHOBIA NOS                 | 651                | Anxiety disorders                         |
| 9                     | 30021                | AGORAPHOBIA WITH PANIC     | 651                | Anxiety disorders                         |
| 9                     | 30022                | AGORAPHOBIA WO PANIC       | 651                | Anxiety disorders                         |
| 9                     | 30023                | SOCIAL PHOBIA              | 651                | Anxiety disorders                         |
| 9                     | 30029                | ISOLATED PHOBIAS NEC       | 651                | Anxiety disorders                         |
| 9                     | 30081                | SOMATIZATION DISORDER      | 670                | Miscellaneous mental disorders            |
| 9                     | 30082                | SOMATOFORM DIS NOS OCT96-- | 670                | Miscellaneous mental disorders            |
| 9                     | 30089                | NEUROTIC DISORDERS NEC     | 651                | Anxiety disorders                         |
| 9                     | 30110                | AFFECTIV PERSONALITY NOS   | 658                | Personality disorders                     |
| 9                     | 30111                | CHRONIC HYPOMANIC PERSON   | 658                | Personality disorders                     |
| 9                     | 30112                | CHR DEPRESSIVE PERSON      | 658                | Personality disorders                     |
| 9                     | 30113                | -CYCLOTHYMIC DISORDER-     | 658                | Personality disorders                     |
| 9                     | 30120                | SCHIZOID PERSONALITY NOS   | 658                | Personality disorders                     |
| 9                     | 30121                | INTROVERTED PERSONALITY    | 658                | Personality disorders                     |
| 9                     | 30122                | SCHIZOTYPAL PERSONALITY    | 658                | Personality disorders                     |
| 9                     | 30150                | HISTRIONIC PERSON NOS      | 658                | Personality disorders                     |
| 9                     | 30151                | CHR FACTITIOUS ILLNESS     | 658                | Personality disorders                     |
| 9                     | 30159                | HISTRIONIC PERSON NEC      | 658                | Personality disorders                     |
| 9                     | 30181                | NARCISSISTIC PERSONALITY   | 658                | Personality disorders                     |
| 9                     | 30182                | AVOIDANT PERSONALITY       | 658                | Personality disorders                     |
| 9                     | 30183                | BORDERLINE PERSONALITY     | 658                | Personality disorders                     |
| 9                     | 30184                | PASSIVE-AGGRESSIV PERSON   | 658                | Personality disorders                     |
| 9                     | 30189                | PERSONALITY DISORDER NEC   | 658                | Personality disorders                     |
| 9                     | 30250                | TRANS-SEXUALISM NOS        | 670                | Miscellaneous mental disorders            |
| 9                     | 30251                | TRANS-SEXUALISM/ ASEXUAL   | 670                | Miscellaneous mental disorders            |
| 9                     | 30252                | TRANS-SEXUAL/ HOMOSEXUAL   | 670                | Miscellaneous mental disorders            |
| 9                     | 30253                | TRANS-SEX/ HETEROSEXUAL    | 670                | Miscellaneous mental disorders            |
| 9                     | 30270                | PSYCHOSEXUAL DYSFUNC NOS   | 670                | Miscellaneous mental disorders            |
| 9                     | 30271                | INHIBITED SEXUAL DESIRE    | 670                | Miscellaneous mental disorders            |
| 9                     | 30272                | INHIBITED SEX EXCITEMENT   | 670                | Miscellaneous mental disorders            |
| 9                     | 30273                | INHIBITED FEMALE ORGASM    | 670                | Miscellaneous mental disorders            |
| 9                     | 30274                | INHIBITED MALE ORGASM      | 670                | Miscellaneous mental disorders            |
| 9                     | 30275                | PREMATURE EJACULATION      | 670                | Miscellaneous mental disorders            |
| 9                     | 30276                | FUNCTIONAL DYSpareunia     | 670                | Miscellaneous mental disorders            |
| 9                     | 30279                | PSYCHOSEXUAL DYSFUNC NEC   | 670                | Miscellaneous mental disorders            |
| 9                     | 30281                | FETISHISM                  | 670                | Miscellaneous mental disorders            |
| 9                     | 30282                | VOYEURISM                  | 670                | Miscellaneous mental disorders            |
| 9                     | 30283                | SEXUAL MASOCHISM           | 670                | Miscellaneous mental disorders            |
| 9                     | 30284                | SEXUAL SADISM              | 670                | Miscellaneous mental disorders            |
| 9                     | 30285                | GENDER IDENT DIS/ ADULT    | 670                | Miscellaneous mental disorders            |
| 9                     | 30289                | PSYCHOSEXUAL DIS NEC       | 670                | Miscellaneous mental disorders            |
| 9                     | 30650                | PSYCHOGENIC GU DIS NOS     | 670                | Miscellaneous mental disorders            |
| 9                     | 30651                | PSYCHOGENIC VAGINISMUS     | 670                | Miscellaneous mental disorders            |
| 9                     | 30652                | PSYCHOGENIC DYSMENORRHEA   | 670                | Miscellaneous mental disorders            |
| 9                     | 30653                | PSYCHOGENIC DYSURIA        | 670                | Miscellaneous mental disorders            |
| 9                     | 30659                | PSYCHOGENIC GU DIS NEC     | 670                | Miscellaneous mental disorders            |
| 9                     | 30720                | TIC DISORDER NOS           | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 30721                | TRANSIENT TIC/ CHILDHOOD   | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 30722                | CHRONIC MOTOR TIC DIS      | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 30723                | GILLES TOURETTE DISORDER   | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 30740                | NONORGANIC SLEEP DIS NOS   | 670                | Miscellaneous mental disorders            |
| 9                     | 30741                | TRANSIENT INSOMNIA         | 670                | Miscellaneous mental disorders            |
| 9                     | 30742                | PERSISTENT INSOMNIA        | 670                | Miscellaneous mental disorders            |
| 9                     | 30743                | TRANSIENT HYPERSOMNIA      | 670                | Miscellaneous mental disorders            |
| 9                     | 30744                | PERSISTENT HYPERSOMNIA     | 670                | Miscellaneous mental disorders            |
| 9                     | 30745                | DISRUPT SLEEP-WAKE CYCLE   | 670                | Miscellaneous mental disorders            |
| 9                     | 30746                | SOMNAMBULISMNGHT TERROR    | 670                | Miscellaneous mental disorders            |
| 9                     | 30747                | SLEEP STAGE DYSFUNC NEC    | 670                | Miscellaneous mental disorders            |
| 9                     | 30748                | REPETIT SLEEP INTRUSION    | 670                | Miscellaneous mental disorders            |
| 9                     | 30749                | NONORGANIC SLEEP DIS NEC   | 670                | Miscellaneous mental disorders            |
| 9                     | 30750                | EATING DISORDER NOS        | 670                | Miscellaneous mental disorders            |
| 9                     | 30751                | BULIMIA                    | 670                | Miscellaneous mental disorders            |
| 9                     | 30752                | PICA                       | 670                | Miscellaneous mental disorders            |
| 9                     | 30753                | PSYCHOGENIC RUMINATION     | 670                | Miscellaneous mental disorders            |
| 9                     | 30754                | PSYCHOGENIC VOMITING       | 670                | Miscellaneous mental disorders            |
| 9                     | 30759                | EATING DISORDER NEC        | 670                | Miscellaneous mental disorders            |
| 9                     | 30780                | PSYCHOGENIC PAIN NOS       | 670                | Miscellaneous mental disorders            |
| 9                     | 30781                | TENSION HEADACHE           | 670                | Miscellaneous mental disorders            |
| 9                     | 30789                | PSYCHOGENIC PAIN NEC       | 670                | Miscellaneous mental disorders            |
| 9                     | 30921                | SEPARATION ANXIETY         | 655                | Disorders usually diagnosed in infancy/ch |

**A list of ICD-9 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                          | AHRQ_Category_Code | AHRQ_Category_description                 |
|-----------------------|----------------------|--|--------------------|---|
| 9                     | 30922                | EMANCIPATION DISORDER                          | 650                | Adjustment disorders                      |
| 9                     | 30923                | ACADEMICWORK INHIBITION                        | 650                | Adjustment disorders                      |
| 9                     | 30924                | ADJ REACT-ANXIOUS MOOD                         | 650                | Adjustment disorders                      |
| 9                     | 30928                | ADJ REACT-MIXED EMOTION                        | 650                | Adjustment disorders                      |
| 9                     | 30929                | ADJ REACT-EMOTION NEC                          | 650                | Adjustment disorders                      |
| 9                     | 30981                | PROLONG POSTTRAUM STRESS                       | 651                | Anxiety disorders                         |
| 9                     | 30982                | ADJUST REACT-PHYS SYMPT                        | 650                | Adjustment disorders                      |
| 9                     | 30983                | ADJUST REACT-WITHDRAWAL                        | 650                | Adjustment disorders                      |
| 9                     | 30989                | ADJUSTMENT REACTION NEC                        | 650                | Adjustment disorders                      |
| 9                     | 31200                | UNSOCIAL AGGRESS-UNSPEC                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31201                | UNSOCIAL AGGRESSION-MILD                       | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31202                | UNSOCIAL AGGRESSION-MOD                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31203                | UNSOCIAL AGGRESS-SEVERE                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31210                | UNSOCIAL UNAGGRESS-UNSP                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31211                | UNSOCIAL UNAGGRESS-MILD                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31212                | UNSOCIAL UNAGGRESS-MOD                         | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31213                | UNSOCIAL UNAGGR-SEVERE                         | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31220                | SOCIAL CONDUCT DIS-UNSP                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31221                | SOCIAL CONDUCT DIS-MILD                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31222                | SOCIAL CONDUCT DIS-MOD                         | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31223                | SOCIAL CONDUCT DIS-SEV                         | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31230                | IMPULSE CONTROL DIS NOS                        | 656                | Impulse control disorders NEC             |
| 9                     | 31231                | PATHOLOGICAL GAMBLING                          | 656                | Impulse control disorders NEC             |
| 9                     | 31232                | KLEPTOMANIA                                    | 656                | Impulse control disorders NEC             |
| 9                     | 31233                | PYROMANIA                                      | 656                | Impulse control disorders NEC             |
| 9                     | 31234                | INTERMITT EXPLOSIVE DIS                        | 656                | Impulse control disorders NEC             |
| 9                     | 31235                | ISOLATED EXPLOSIVE DIS                         | 656                | Impulse control disorders NEC             |
| 9                     | 31239                | -IMPULSE CONTROL DIS NEC-                      | 656                | Impulse control disorders NEC             |
| 9                     | 31281                | CONDUCT DISORDER/ CHILD ONSET OCT94--          | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31282                | CONDUCT DISORDER/ ADOLESC ONSET OCT94--        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31289                | OTHER CONDUCT DISORDER OCT94--                 | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31321                | SHYNESS DISORDER-CHILD                         | 651                | Anxiety disorders                         |
| 9                     | 31322                | INTROVERTED DIS-CHILD                          | 651                | Anxiety disorders                         |
| 9                     | 31323                | ELECTIVE MUTISM                                | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 31381                | OPPOSITIONAL DISORDER                          | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31382                | IDENTITY DISORDER                              | 651                | Anxiety disorders                         |
| 9                     | 31383                | ACADEMIC UNDERACHIEVMENT                       | 651                | Anxiety disorders                         |
| 9                     | 31389                | EMOTIONAL DIS CHILD NEC                        | 655                | Disorders usually diagnosed in infancy/ch |
| 9                     | 31400                | ATTN DEFIC NONHYPERACT                         | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31401                | ATTN DEFICIT W HYPERACT                        | 652                | Attention-deficit/conduct/disruptive beha |
| 9                     | 31500                | READING DISORDER NOS                           | 654                | Developmental disorders                   |
| 9                     | 31501                | ALEXIA   | 654                | Developmental disorders                   |
| 9                     | 31502                | DEVELOPMENTAL DYSLIXIA                         | 654                | Developmental disorders                   |
| 9                     | 31509                | READING DISORDER NEC                           | 654                | Developmental disorders                   |
| 9                     | 31531                | DEVELOPMENT LANGUAGE DIS                       | 654                | Developmental disorders                   |
| 9                     | 31532                | RECEPTIVE LANG DIS OCT96--                     | 654                | Developmental disorders                   |
| 9                     | 31534                | SPEECH DEL D/T HEAR LOSS (Begin 2007)          | 654                | Developmental disorders                   |
| 9                     | 31535                | Chldrd onset flncy disor (Begin 2010)          | 654                | Developmental disorders                   |
| 9                     | 31539                | SPEECHLANGUAGE DIS NEC                         | 654                | Developmental disorders                   |
| 9                     | 64840                | MENTAL DISORDERS IN PREGNANCY UNSPECIFIED      | 670                | Miscellaneous mental disorders            |
| 9                     | 64841                | MENTAL DISORDERS IN PREGNANCY DELIVERED/ ANTEP | 670                | Miscellaneous mental disorders            |
| 9                     | 64842                | MENTAL DISORDERS IN PREGNANCY DELIVERED/ POSTP | 670                | Miscellaneous mental disorders            |
| 9                     | 64843                | MENTAL DISORDERS IN PREGNANCY ANTEPARTUM       | 670                | Miscellaneous mental disorders            |
| 9                     | 64844                | MENTAL DISORDERS IN PREGNANCY POSTPARTUM       | 670                | Miscellaneous mental disorders            |
| 9                     | E9500                | SELF-INFL INJ ANALGES                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9501                | SELF-INFL INJ BARBITURATES                     | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9502                | SELF-INFL INJ OTH SEDATIVES                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9503                | SELF-INFL INJ TRANQUILIZERS                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9504                | SELF-INFL INJ OTHER SPEC DRUGS                 | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9505                | SELF-INFL INJ UNSPECIFIED DRUGS                | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9506                | SELF-INFL INJ AGRI CHEMICALS                   | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9507                | SELF-INFL INJ CORROS CAUSTICS                  | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9508                | SELF-INFL INJ ARSENIC                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9509                | SELF-INFL INJ OTH SOLIDS AND LIQUIDS           | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9510                | SELF-INFL INJ GAS IN PIPELINE                  | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9511                | SELF-INFL INJ LP GAS I                         | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9518                | SELF-INFL INJ OTHER UTILITY GAS                | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9520                | SELF-INFL INJ MV EXHAUST GAS                   | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9521                | SELF-INFL INJ OTH CARBON MONOXIDE              | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9528                | SELF-INFL INJ OTH SPEC GAS                     | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9529                | SELF-INFL INJ UNSPEC GAS                       | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9530                | SELF-INFL INJ HANGING                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9531                | SELF-INFL INJ SUFFOCAT PLASTIC BAG             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9538                | SELF-INFL INJ OTH STRANGUL/ SUFFOC             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9539                | SELF-INFL INJ UNSP STRANGUL SUFFOC             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E954                 | SELF-INFL INJ DROWNING                         | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9550                | SELF-INFL INJ HANDGUN                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9551                | SELF-INFL INJ SHOTGUN                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9552                | SELF-INFL INJ HUNTING RIFLE                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9553                | SELF-INFL INJ MILITARY FIREARM                 | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9554                | SELF-INFL INJ OTHER UNSPEC FIREARM             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9555                | SELF-INFL INJ EXPLOSIVES                       | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9556                | SELF-INFL INJ AIR GUN                          | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9557                | SELF-INFL INJ PAINTBALL GUN                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9559                | SELF-INFL INJ UNSPEC FIREARM EXPL              | 662                | Suicide and intentional self-inflicted in |
| 9                     | E956                 | SELF-INFL INJ CUTTING PIERCING                 | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9570                | SELF-INFL INJ JUMP FROM RESIDENCE              | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9571                | SELF-INFL INJ JUMP FROM OTH STRUCT             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9572                | SELF-INFL INJ JUMP FROM NATURAL SITE           | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9579                | SELF-INFL INJ UNSPEC JUMP                      | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9580                | SELF-INFL INJ MOVING OBJECT                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9581                | SELF-INFL INJ BURNS/ FIRE                      | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9582                | SELF-INFL INJ SCALD                            | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9583                | SELF-INFL INJ COLD                             | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9584                | SELF-INFL INJ ELECTROCUTION                    | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9585                | SELF-INFL INJ CRASHING MV                      | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9586                | SELF-INFL INJ CRASHING AIRCRAFT                | 662                | Suicide and intentional self-inflicted in |
| 9                     | E9587                | SELF-INFL INJ CAUST SUBST EXC POISON           | 662                | Suicide and intentional self-inflicted in |

A list of ICD-9 codes used to identify a primary psychiatric disorder diagnosis for exclusion

| <u>Diagnosis_ICD_Version</u> | <u>Diagnosis_Code_value</u> | <u>Diagnosis_Description</u>          | <u>AHRQ_Category_Code</u> | <u>AHRQ_Category_description</u>          |
|------------------------------|-----------------------------|---------------------------------------|---------------------------|---|
| 9                            | E9588                       | SELF-INFL INJ OTHER SPEC              | 662                       | Suicide and intentional self-inflicted in |
| 9                            | E9589                       | SELF-INFL INJ UNSPEC MEANS            | 662                       | Suicide and intentional self-inflicted in |
| 9                            | E959                        | LATE EFFECTS SELF-INFLICTED INJURY    | 662                       | Suicide and intentional self-inflicted in |
| 9                            | V400                        | PROBLEMS WITH LEARNING                | 654                       | Developmental disorders                   |
| 9                            | V401                        | PROBLEMS WITH COMMUNICATION           | 654                       | Developmental disorders                   |
| 9                            | V402                        | OTHER MENTAL PROBLEMS                 | 670                       | Miscellaneous mental disorders            |
| 9                            | V403                        | OTHER BEHAVIORAL PROBLEMS (end 2011)  | 670                       | Miscellaneous mental disorders            |
| 9                            | V4031                       | Wandering-dis elsewhere (Begin 2011)  | 670                       | Miscellaneous mental disorders            |
| 9                            | V4039                       | Oth spc behavior problem (Begin 2011) | 670                       | Miscellaneous mental disorders            |
| 9                            | V409                        | UNSPEC MENTAL BEHAV PROBLEMS          | 670                       | Miscellaneous mental disorders            |
| 9                            | V6284                       | SUICIDAL IDEATION OCT05--             | 662                       | Suicide and intentional self-inflicted in |
| 9                            | V673                        | F-U EXAM AFTER MENTAL RX              | 670                       | Miscellaneous mental disorders            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description   | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | F4320                | Adjustment disorder, unspecified                                    | 650                | Adjustment dis            |
| 10                    | F4321                | Adjustment disorder with depressed mood                             | 650                | Adjustment dis            |
| 10                    | F4322                | Adjustment disorder with anxiety                                    | 650                | Adjustment dis            |
| 10                    | F4323                | Adjustment disorder with mixed anxiety and depressive               | 650                | Adjustment dis            |
| 10                    | F4324                | Adjustment disorder with disturbance of conduct                     | 650                | Adjustment dis            |
| 10                    | F4325                | Adjustment disorder with mixed disturbance of emotions and conduct  | 650                | Adjustment dis            |
| 10                    | F4329                | Adjustment disorder with other symptoms                             | 650                | Adjustment dis            |
| 10                    | F438                 | Other reactions to severe stress                                    | 650                | Adjustment dis            |
| 10                    | F439                 | Reaction to severe stress, unspecified                              | 650                | Adjustment dis            |
| 10                    | F064                 | Anxiety disorder due to known physiological condition               | 651                | Anxiety disorder          |
| 10                    | F4000                | Agoraphobia, unspecified  | 651                | Anxiety disorder          |
| 10                    | F4001                | Agoraphobia with panic disorder                                     | 651                | Anxiety disorder          |
| 10                    | F4002                | Agoraphobia without panic disorder                                  | 651                | Anxiety disorder          |
| 10                    | F4010                | Social phobia, unspecified  | 651                | Anxiety disorder          |
| 10                    | F4011                | Social phobia, generalized  | 651                | Anxiety disorder          |
| 10                    | F40210               | Arachnophobia   | 651                | Anxiety disorder          |
| 10                    | F40218               | Other animal type phobia  | 651                | Anxiety disorder          |
| 10                    | F40220               | Fear of thunderstorms   | 651                | Anxiety disorder          |
| 10                    | F40228               | Other natural environment type phobia                               | 651                | Anxiety disorder          |
| 10                    | F40230               | Fear of blood   | 651                | Anxiety disorder          |
| 10                    | F40231               | Fear of injections and transfusions                                 | 651                | Anxiety disorder          |
| 10                    | F40232               | Fear of other medical care  | 651                | Anxiety disorder          |
| 10                    | F40233               | Fear of injury  | 651                | Anxiety disorder          |
| 10                    | F40240               | Claustrophobia  | 651                | Anxiety disorder          |
| 10                    | F40241               | Acrophobia  | 651                | Anxiety disorder          |
| 10                    | F40242               | Fear of bridges   | 651                | Anxiety disorder          |
| 10                    | F40243               | Fear of flying  | 651                | Anxiety disorder          |
| 10                    | F40248               | Other situational type phobia                                       | 651                | Anxiety disorder          |
| 10                    | F40290               | Androphobia   | 651                | Anxiety disorder          |
| 10                    | F40291               | Gynephobia  | 651                | Anxiety disorder          |
| 10                    | F40298               | Other specified phobia  | 651                | Anxiety disorder          |
| 10                    | F408                 | Other phobic anxiety disorders                                      | 651                | Anxiety disorder          |
| 10                    | F409                 | Phobic anxiety disorder, unspecified                                | 651                | Anxiety disorder          |
| 10                    | F410                 | Panic disorder without agoraphobia                                  | 651                | Anxiety disorder          |
| 10                    | F411                 | Generalized anxiety disorder  | 651                | Anxiety disorder          |
| 10                    | F413                 | Other mixed anxiety disorders                                       | 651                | Anxiety disorder          |
| 10                    | F418                 | Other specified anxiety disorders                                   | 651                | Anxiety disorder          |
| 10                    | F419                 | Anxiety disorder, unspecified                                       | 651                | Anxiety disorder          |
| 10                    | F42                  | Obsessive-compulsive disorder                                       | 651                | Anxiety disorder          |
| 10                    | F422                 | Mixed obsessional thoughts and acts                                 | 651                | Anxiety disorder          |
| 10                    | F423                 | Hoarding disorder   | 651                | Anxiety disorder          |
| 10                    | F424                 | Excoriation (skin-picking) disorder                                 | 651                | Anxiety disorder          |
| 10                    | F428                 | Other obsessive-compulsive disorder                                 | 651                | Anxiety disorder          |
| 10                    | F429                 | Obsessive-compulsive disorder, unspecified                          | 651                | Anxiety disorder          |
| 10                    | F430                 | Acute stress reaction   | 651                | Anxiety disorder          |
| 10                    | F4310                | Post-traumatic stress disorder, unspecified                         | 651                | Anxiety disorder          |
| 10                    | F4311                | Post-traumatic stress disorder, acute                               | 651                | Anxiety disorder          |
| 10                    | F4312                | Post-traumatic stress disorder, chronic                             | 651                | Anxiety disorder          |
| 10                    | F488                 | Other specified nonpsychotic mental disorders                       | 651                | Anxiety disorder          |
| 10                    | F489                 | Nonpsychotic mental disorder, unspecified                           | 651                | Anxiety disorder          |
| 10                    | R452                 | Unhappiness   | 651                | Anxiety disorder          |
| 10                    | R453                 | Demoralization and apathy   | 651                | Anxiety disorder          |
| 10                    | R454                 | Irritability and anger  | 651                | Anxiety disorder          |
| 10                    | R455                 | Hostility   | 651                | Anxiety disorder          |
| 10                    | R456                 | Violent behavior  | 651                | Anxiety disorder          |
| 10                    | R457                 | State of emotional shock and stress, unspecified                    | 651                | Anxiety disorder          |
| 10                    | R4581                | Low self-esteem   | 651                | Anxiety disorder          |
| 10                    | R4582                | Worries   | 651                | Anxiety disorder          |
| 10                    | R4583                | Excessive crying of child, adolescent or adult                      | 651                | Anxiety disorder          |
| 10                    | R4584                | Anhedonia   | 651                | Anxiety disorder          |
| 10                    | F900                 | Attention-deficit hyperactivity disorder, predominantly inattentive | 652                | Attention-deficit         |
| 10                    | F901                 | Attention-deficit hyperactivity disorder, predominantly hyperactive | 652                | Attention-deficit         |
| 10                    | F902                 | Attention-deficit hyperactivity disorder, combined                  | 652                | Attention-deficit         |
| 10                    | F908                 | Attention-deficit hyperactivity disorder, other type                | 652                | Attention-deficit         |
| 10                    | F909                 | Attention-deficit hyperactivity disorder, unspecified               | 652                | Attention-deficit         |
| 10                    | F910                 | Conduct disorder confined to family context                         | 652                | Attention-deficit         |
| 10                    | F911                 | Conduct disorder, childhood-onset type                              | 652                | Attention-deficit         |
| 10                    | F912                 | Conduct disorder, adolescent-onset type                             | 652                | Attention-deficit         |
| 10                    | F913                 | Oppositional defiant disorder                                       | 652                | Attention-deficit         |
| 10                    | F918                 | Other conduct disorders   | 652                | Attention-deficit         |
| 10                    | F919                 | Conduct disorder, unspecified                                       | 652                | Attention-deficit         |
| 10                    | R460                 | Very low level of personal hygiene                                  | 652                | Attention-deficit         |
| 10                    | R461                 | Bizarre personal appearance   | 652                | Attention-deficit         |
| 10                    | R462                 | Strange and inexplicable behavior                                   | 652                | Attention-deficit         |
| 10                    | R463                 | Overactivity  | 652                | Attention-deficit         |
| 10                    | R464                 | Slowness and poor responsiveness                                    | 652                | Attention-deficit         |
| 10                    | R465                 | Suspiciousness and marked evasiveness                               | 652                | Attention-deficit         |
| 10                    | R466                 | Undue concern and preoccupation with stressful events               | 652                | Attention-deficit         |
| 10                    | R467                 | Verbosity and circumstantial detail obscuring relevant facts        | 652                | Attention-deficit         |
| 10                    | R4681                | Obsessive-compulsive behavior                                       | 652                | Attention-deficit         |
| 10                    | R4689                | Other symptoms and signs involving appearance and behavior          | 652                | Attention-deficit         |
| 10                    | F70                  | Mild intellectual disabilities                                      | 654                | Developmental             |
| 10                    | F71                  | Moderate intellectual disabilities                                  | 654                | Developmental             |
| 10                    | F72                  | Severe intellectual disabilities                                    | 654                | Developmental             |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | F73                  | Profound intellectual disabilities                  | 654                | Developmental             |
| 10                    | F78                  | Other intellectual disabilities                     | 654                | Developmental             |
| 10                    | F79                  | Unspecified intellectual disabilities               | 654                | Developmental             |
| 10                    | F800                 | Phonological disorder                               | 654                | Developmental             |
| 10                    | F801                 | Expressive language disorder                        | 654                | Developmental             |
| 10                    | F802                 | Mixed receptive-expressive language disorder        | 654                | Developmental             |
| 10                    | F804                 | Speech and language development delay due to hearin | 654                | Developmental             |
| 10                    | F8081                | Childhood onset fluency disorder                    | 654                | Developmental             |
| 10                    | F8082                | Social pragmatic communication disorder             | 654                | Developmental             |
| 10                    | F8089                | Other developmental disorders of speech and languag | 654                | Developmental             |
| 10                    | F809                 | Developmental disorder of speech and language, unsp | 654                | Developmental             |
| 10                    | F810                 | Specific reading disorder                           | 654                | Developmental             |
| 10                    | F812                 | Mathematics disorder                                | 654                | Developmental             |
| 10                    | F8181                | Disorder of written expression                      | 654                | Developmental             |
| 10                    | F8189                | Other developmental disorders of scholastic skills  | 654                | Developmental             |
| 10                    | F819                 | Developmental disorder of scholastic skills, unspec | 654                | Developmental             |
| 10                    | F82                  | Specific developmental disorder of motor function   | 654                | Developmental             |
| 10                    | F88                  | Other disorders of psychological development        | 654                | Developmental             |
| 10                    | F89                  | Unspecified disorder of psychological development   | 654                | Developmental             |
| 10                    | F985                 | Adult onset fluency disorder                        | 654                | Developmental             |
| 10                    | R4183                | Borderline intellectual functioning                 | 654                | Developmental             |
| 10                    | R480                 | Dyslexia and alexia                                 | 654                | Developmental             |
| 10                    | F642                 | Gender identity disorder of childhood               | 655                | Disorders usua            |
| 10                    | F840                 | Autistic disorder                                   | 655                | Disorders usua            |
| 10                    | F842                 | Rett's syndrome                                     | 655                | Disorders usua            |
| 10                    | F843                 | Other childhood disintegrative disorder             | 655                | Disorders usua            |
| 10                    | F845                 | Asperger's syndrome                                 | 655                | Disorders usua            |
| 10                    | F848                 | Other pervasive developmental disorders             | 655                | Disorders usua            |
| 10                    | F849                 | Pervasive developmental disorder, unspecified       | 655                | Disorders usua            |
| 10                    | F930                 | Separation anxiety disorder of childhood            | 655                | Disorders usua            |
| 10                    | F938                 | Other childhood emotional disorders                 | 655                | Disorders usua            |
| 10                    | F939                 | Childhood emotional disorder, unspecified           | 655                | Disorders usua            |
| 10                    | F940                 | Selective mutism                                    | 655                | Disorders usua            |
| 10                    | F941                 | Reactive attachment disorder of childhood           | 655                | Disorders usua            |
| 10                    | F942                 | Disinhibited attachment disorder of childhood       | 655                | Disorders usua            |
| 10                    | F948                 | Other childhood disorders of social functioning     | 655                | Disorders usua            |
| 10                    | F949                 | Childhood disorder of social functioning, unspecifi | 655                | Disorders usua            |
| 10                    | F950                 | Transient tic disorder                              | 655                | Disorders usua            |
| 10                    | F951                 | Chronic motor or vocal tic disorder                 | 655                | Disorders usua            |
| 10                    | F952                 | Tourette's disorder                                 | 655                | Disorders usua            |
| 10                    | F958                 | Other tic disorders                                 | 655                | Disorders usua            |
| 10                    | F959                 | Tic disorder, unspecified                           | 655                | Disorders usua            |
| 10                    | F980                 | Enuresis not due to a substance or known physiol co | 655                | Disorders usua            |
| 10                    | F981                 | Encopresis not due to a substance or known physiol  | 655                | Disorders usua            |
| 10                    | F9821                | Rumination disorder of infancy                      | 655                | Disorders usua            |
| 10                    | F9829                | Other feeding disorders of infancy and early childh | 655                | Disorders usua            |
| 10                    | F983                 | Pica of infancy and childhood                       | 655                | Disorders usua            |
| 10                    | F984                 | Stereotyped movement disorders                      | 655                | Disorders usua            |
| 10                    | F988                 | Oth behav/emotn disord w onset usly occur in chldhd | 655                | Disorders usua            |
| 10                    | F989                 | Unsp behav/emotn disord w onst usly occur in chldhd | 655                | Disorders usua            |
| 10                    | F630                 | Pathological gambling                               | 656                | Impulse contro            |
| 10                    | F631                 | Pyromania   | 656                | Impulse contro            |
| 10                    | F632                 | Kleptomania   | 656                | Impulse contro            |
| 10                    | F633                 | Trichotillomania                                    | 656                | Impulse contro            |
| 10                    | F6381                | Intermittent explosive disorder                     | 656                | Impulse contro            |
| 10                    | F6389                | Other impulse disorders                             | 656                | Impulse contro            |
| 10                    | F639                 | Impulse disorder, unspecified                       | 656                | Impulse contro            |
| 10                    | R45850               | Homicidal ideations                                 | 656                | Impulse contro            |
| 10                    | F0630                | Mood disorder due to known physiological condition, | 657                | Mood disorders            |
| 10                    | F0631                | Mood disorder due to known physiol cond w depressv  | 657                | Mood disorders            |
| 10                    | F0632                | Mood disord d/t physiol cond w major depressive-lik | 657                | Mood disorders            |
| 10                    | F0633                | Mood disorder due to known physiol cond w manic fea | 657                | Mood disorders            |
| 10                    | F0634                | Mood disorder due to known physiol cond w mixed fea | 657                | Mood disorders            |
| 10                    | F3010                | Manic episode without psychotic symptoms, unspecifi | 657                | Mood disorders            |
| 10                    | F3011                | Manic episode without psychotic symptoms, mild      | 657                | Mood disorders            |
| 10                    | F3012                | Manic episode without psychotic symptoms, moderate  | 657                | Mood disorders            |
| 10                    | F3013                | Manic episode, severe, without psychotic symptoms   | 657                | Mood disorders            |
| 10                    | F302                 | Manic episode, severe with psychotic symptoms       | 657                | Mood disorders            |
| 10                    | F303                 | Manic episode in partial remission                  | 657                | Mood disorders            |
| 10                    | F304                 | Manic episode in full remission                     | 657                | Mood disorders            |
| 10                    | F308                 | Other manic episodes                                | 657                | Mood disorders            |
| 10                    | F309                 | Manic episode, unspecified                          | 657                | Mood disorders            |
| 10                    | F310                 | Bipolar disorder, current episode hypomanic         | 657                | Mood disorders            |
| 10                    | F3110                | Bipolar disord, crnt episode manic w/o psych featur | 657                | Mood disorders            |
| 10                    | F3111                | Bipolar disord, crnt episode manic w/o psych featur | 657                | Mood disorders            |
| 10                    | F3112                | Bipolar disord, crnt episode manic w/o psych featur | 657                | Mood disorders            |
| 10                    | F3113                | Bipolar disord, crnt epsd manic w/o psych features, | 657                | Mood disorders            |
| 10                    | F312                 | Bipolar disord, crnt episode manic severe w psych f | 657                | Mood disorders            |
| 10                    | F3130                | Bipolar disord, crnt epsd depress, mild or mod seve | 657                | Mood disorders            |
| 10                    | F3131                | Bipolar disorder, current episode depressed, mild   | 657                | Mood disorders            |
| 10                    | F3132                | Bipolar disorder, current episode depressed, modera | 657                | Mood disorders            |
| 10                    | F314                 | Bipolar disord, crnt epsd depress, sev, w/o psych f | 657                | Mood disorders            |
| 10                    | F315                 | Bipolar disord, crnt epsd depress, severe, w psych  | 657                | Mood disorders            |
| 10                    | F3160                | Bipolar disorder, current episode mixed, unspecifie | 657                | Mood disorders            |



**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | F3161                | Bipolar disorder, current episode mixed, mild        | 657                | Mood disorders            |
| 10                    | F3162                | Bipolar disorder, current episode mixed, moderate    | 657                | Mood disorders            |
| 10                    | F3163                | Bipolar disord, crnt epsd mixed, severe, w/o psych   | 657                | Mood disorders            |
| 10                    | F3164                | Bipolar disord, crnt episode mixed, severe, w psych  | 657                | Mood disorders            |
| 10                    | F3170                | Bipolar disord, currently in remis, most recent epi  | 657                | Mood disorders            |
| 10                    | F3171                | Bipolar disord, in partial remis, most recent epsd   | 657                | Mood disorders            |
| 10                    | F3172                | Bipolar disord, in full remis, most recent episode   | 657                | Mood disorders            |
| 10                    | F3173                | Bipolar disord, in partial remis, most recent episo  | 657                | Mood disorders            |
| 10                    | F3174                | Bipolar disorder, in full remis, most recent episod  | 657                | Mood disorders            |
| 10                    | F3175                | Bipolar disord, in partial remis, most recent epsd   | 657                | Mood disorders            |
| 10                    | F3176                | Bipolar disorder, in full remis, most recent episod  | 657                | Mood disorders            |
| 10                    | F3177                | Bipolar disord, in partial remis, most recent episo  | 657                | Mood disorders            |
| 10                    | F3178                | Bipolar disorder, in full remis, most recent episod  | 657                | Mood disorders            |
| 10                    | F3181                | Bipolar II disorder                                  | 657                | Mood disorders            |
| 10                    | F3189                | Other bipolar disorder                               | 657                | Mood disorders            |
| 10                    | F319                 | Bipolar disorder, unspecified                        | 657                | Mood disorders            |
| 10                    | F320                 | Major depressive disorder, single episode, mild      | 657                | Mood disorders            |
| 10                    | F321                 | Major depressive disorder, single episode, moderate  | 657                | Mood disorders            |
| 10                    | F322                 | Major depressv disord, single epsd, sev w/o psych f  | 657                | Mood disorders            |
| 10                    | F323                 | Major depressv disord, single epsd, severe w psych   | 657                | Mood disorders            |
| 10                    | F324                 | Major depressv disorder, single episode, in partial  | 657                | Mood disorders            |
| 10                    | F325                 | Major depressive disorder, single episode, in full   | 657                | Mood disorders            |
| 10                    | F328                 | Other depressive episodes                            | 657                | Mood disorders            |
| 10                    | F3281                | Premenstrual dysphoric disorder                      | 657                | Mood disorders            |
| 10                    | F3289                | Other specified depressive episodes                  | 657                | Mood disorders            |
| 10                    | F329                 | Major depressive disorder, single episode, unspecif  | 657                | Mood disorders            |
| 10                    | F330                 | Major depressive disorder, recurrent, mild           | 657                | Mood disorders            |
| 10                    | F331                 | Major depressive disorder, recurrent, moderate       | 657                | Mood disorders            |
| 10                    | F332                 | Major depressv disorder, recurrent severe w/o psych  | 657                | Mood disorders            |
| 10                    | F333                 | Major depressv disorder, recurrent, severe w psych   | 657                | Mood disorders            |
| 10                    | F3340                | Major depressive disorder, recurrent, in remission,  | 657                | Mood disorders            |
| 10                    | F3341                | Major depressive disorder, recurrent, in partial re  | 657                | Mood disorders            |
| 10                    | F3342                | Major depressive disorder, recurrent, in full remis  | 657                | Mood disorders            |
| 10                    | F338                 | Other recurrent depressive disorders                 | 657                | Mood disorders            |
| 10                    | F339                 | Major depressive disorder, recurrent, unspecified    | 657                | Mood disorders            |
| 10                    | F340                 | Cyclothymic disorder                                 | 657                | Mood disorders            |
| 10                    | F341                 | Dysthymic disorder                                   | 657                | Mood disorders            |
| 10                    | F348                 | Other persistent mood [affective] disorders          | 657                | Mood disorders            |
| 10                    | F3481                | Disruptive mood dysregulation disorder               | 657                | Mood disorders            |
| 10                    | F3489                | Other specified persistent mood disorders            | 657                | Mood disorders            |
| 10                    | F349                 | Persistent mood [affective] disorder, unspecified    | 657                | Mood disorders            |
| 10                    | F39                  | Unspecified mood [affective] disorder                | 657                | Mood disorders            |
| 10                    | R4586                | Emotional lability                                   | 657                | Mood disorders            |
| 10                    | F600                 | Paranoid personality disorder                        | 658                | Personality di            |
| 10                    | F601                 | Schizoid personality disorder                        | 658                | Personality di            |
| 10                    | F602                 | Antisocial personality disorder                      | 658                | Personality di            |
| 10                    | F603                 | Borderline personality disorder                      | 658                | Personality di            |
| 10                    | F604                 | Histrionic personality disorder                      | 658                | Personality di            |
| 10                    | F605                 | Obsessive-compulsive personality disorder            | 658                | Personality di            |
| 10                    | F606                 | Avoidant personality disorder                        | 658                | Personality di            |
| 10                    | F607                 | Dependent personality disorder                       | 658                | Personality di            |
| 10                    | F6081                | Narcissistic personality disorder                    | 658                | Personality di            |
| 10                    | F6089                | Other specific personality disorders                 | 658                | Personality di            |
| 10                    | F609                 | Personality disorder, unspecified                    | 658                | Personality di            |
| 10                    | F69                  | Unspecified disorder of adult personality and behav  | 658                | Personality di            |
| 10                    | F060                 | Psychotic disorder w hallucin due to known physiol   | 659                | Schizophrenia             |
| 10                    | F062                 | Psychotic disorder w delusions due to known physiol  | 659                | Schizophrenia             |
| 10                    | F200                 | Paranoid schizophrenia                               | 659                | Schizophrenia             |
| 10                    | F201                 | Disorganized schizophrenia                           | 659                | Schizophrenia             |
| 10                    | F202                 | Catatonic schizophrenia                              | 659                | Schizophrenia             |
| 10                    | F203                 | Undifferentiated schizophrenia                       | 659                | Schizophrenia             |
| 10                    | F205                 | Residual schizophrenia                               | 659                | Schizophrenia             |
| 10                    | F2081                | Schizophreniform disorder                            | 659                | Schizophrenia             |
| 10                    | F2089                | Other schizophrenia                                  | 659                | Schizophrenia             |
| 10                    | F209                 | Schizophrenia, unspecified                           | 659                | Schizophrenia             |
| 10                    | F21                  | Schizotypal disorder                                 | 659                | Schizophrenia             |
| 10                    | F22                  | Delusional disorders                                 | 659                | Schizophrenia             |
| 10                    | F23                  | Brief psychotic disorder                             | 659                | Schizophrenia             |
| 10                    | F24                  | Shared psychotic disorder                            | 659                | Schizophrenia             |
| 10                    | F250                 | Schizoaffective disorder, bipolar type               | 659                | Schizophrenia             |
| 10                    | F251                 | Schizoaffective disorder, depressive type            | 659                | Schizophrenia             |
| 10                    | F258                 | Other schizoaffective disorders                      | 659                | Schizophrenia             |
| 10                    | F259                 | Schizoaffective disorder, unspecified                | 659                | Schizophrenia             |
| 10                    | F28                  | Oth psych disorder not due to a sub or known physio  | 659                | Schizophrenia             |
| 10                    | F29                  | Unsp psychosis not due to a substance or known phys  | 659                | Schizophrenia             |
| 10                    | R45851               | Suicidal ideations                                   | 662                | Suicide and in            |
| 10                    | T1491                | Suicide attempt                                      | 662                | Suicide and in            |
| 10                    | T360X2A              | Poisoning by penicillins, intentional self-harm, in  | 662                | Suicide and in            |
| 10                    | T360X2D              | Poisoning by penicillins, intentional self-harm, su  | 662                | Suicide and in            |
| 10                    | T360X2S              | Poisoning by penicillins, intentional self-harm, se  | 662                | Suicide and in            |
| 10                    | T361X2A              | Poison by cephalospor/oth beta-lactm antibiot, slf-h | 662                | Suicide and in            |
| 10                    | T361X2D              | Poison by cephalospor/oth beta-lactm antibiot, slf-h | 662                | Suicide and in            |
| 10                    | T361X2S              | Poison by cephalospor/oth beta-lactm antibiot, slf-h | 662                | Suicide and in            |
| 10                    | T362X2A              | Poisoning by chloramphenicol group, self-harm, init  | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T362X2D              | Poisoning by chloramphenicol group, self-harm, subs         | 662                | Suicide and in            |
| 10                    | T362X2S              | Poisoning by chloramphenicol group, self-harm, sequ         | 662                | Suicide and in            |
| 10                    | T363X2A              | Poisoning by macrolides, intentional self-harm, ini         | 662                | Suicide and in            |
| 10                    | T363X2D              | Poisoning by macrolides, intentional self-harm, sub         | 662                | Suicide and in            |
| 10                    | T363X2S              | Poisoning by macrolides, intentional self-harm, seq         | 662                | Suicide and in            |
| 10                    | T364X2A              | Poisoning by tetracyclines, intentional self-harm, ini      | 662                | Suicide and in            |
| 10                    | T364X2D              | Poisoning by tetracyclines, intentional self-harm, sub      | 662                | Suicide and in            |
| 10                    | T364X2S              | Poisoning by tetracyclines, intentional self-harm, sequ     | 662                | Suicide and in            |
| 10                    | T365X2A              | Poisoning by aminoglycosides, intentional self-harm, ini    | 662                | Suicide and in            |
| 10                    | T365X2D              | Poisoning by aminoglycosides, intentional self-harm, sub    | 662                | Suicide and in            |
| 10                    | T365X2S              | Poisoning by aminoglycosides, intentional self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T366X2A              | Poisoning by rifampicins, intentional self-harm, ini        | 662                | Suicide and in            |
| 10                    | T366X2D              | Poisoning by rifampicins, intentional self-harm, sub        | 662                | Suicide and in            |
| 10                    | T366X2S              | Poisoning by rifampicins, intentional self-harm, sequ       | 662                | Suicide and in            |
| 10                    | T367X2A              | Poisoning by antifungal antibiot, sys used, self-harm, ini  | 662                | Suicide and in            |
| 10                    | T367X2D              | Poisoning by antifungal antibiot, sys used, self-harm, sub  | 662                | Suicide and in            |
| 10                    | T367X2S              | Poisoning by antifung antibiot, sys used, self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T368X2A              | Poisoning by oth systemic antibiotics, self-harm, ini       | 662                | Suicide and in            |
| 10                    | T368X2D              | Poisoning by oth systemic antibiotics, self-harm, sub       | 662                | Suicide and in            |
| 10                    | T368X2S              | Poisoning by oth systemic antibiotics, self-harm, sequ      | 662                | Suicide and in            |
| 10                    | T3692XA              | Poisoning by unsp systemic antibiotic, self-harm, ini       | 662                | Suicide and in            |
| 10                    | T3692XD              | Poisoning by unsp systemic antibiotic, self-harm, sub       | 662                | Suicide and in            |
| 10                    | T3692XS              | Poisoning by unsp systemic antibiotic, self-harm, sequ      | 662                | Suicide and in            |
| 10                    | T370X2A              | Poisoning by sulfonamides, intentional self-harm, ini       | 662                | Suicide and in            |
| 10                    | T370X2D              | Poisoning by sulfonamides, intentional self-harm, sub       | 662                | Suicide and in            |
| 10                    | T370X2S              | Poisoning by sulfonamides, intentional self-harm, sequ      | 662                | Suicide and in            |
| 10                    | T371X2A              | Poisoning by antimycobacterial drugs, self-harm, ini        | 662                | Suicide and in            |
| 10                    | T371X2D              | Poisoning by antimycobacterial drugs, self-harm, sub        | 662                | Suicide and in            |
| 10                    | T371X2S              | Poisoning by antimycobacterial drugs, self-harm, sequ       | 662                | Suicide and in            |
| 10                    | T372X2A              | Poison by antimalari/drugs act on bld protozoa, slf-h       | 662                | Suicide and in            |
| 10                    | T372X2D              | Poison by antimalari/drugs act on bld protozoa, slf-h       | 662                | Suicide and in            |
| 10                    | T372X2S              | Poison by antimalari/drugs act on bld protozoa, slf-h       | 662                | Suicide and in            |
| 10                    | T373X2A              | Poisoning by oth antiprotozoal drugs, self-harm, ini        | 662                | Suicide and in            |
| 10                    | T373X2D              | Poisoning by oth antiprotozoal drugs, self-harm, sub        | 662                | Suicide and in            |
| 10                    | T373X2S              | Poisoning by oth antiprotozoal drugs, self-harm, sequ       | 662                | Suicide and in            |
| 10                    | T374X2A              | Poisoning by anthelmintics, intentional self-harm, ini      | 662                | Suicide and in            |
| 10                    | T374X2D              | Poisoning by anthelmintics, intentional self-harm, sub      | 662                | Suicide and in            |
| 10                    | T374X2S              | Poisoning by anthelmintics, intentional self-harm, sequ     | 662                | Suicide and in            |
| 10                    | T375X2A              | Poisoning by antiviral drugs, intentional self-harm, ini    | 662                | Suicide and in            |
| 10                    | T375X2D              | Poisoning by antiviral drugs, intentional self-harm, sub    | 662                | Suicide and in            |
| 10                    | T375X2S              | Poisoning by antiviral drugs, intentional self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T378X2A              | Poison by oth systemic anti-infect/parasit, self-harm, ini  | 662                | Suicide and in            |
| 10                    | T378X2D              | Poison by oth systemic anti-infect/parasit, self-harm, sub  | 662                | Suicide and in            |
| 10                    | T378X2S              | Poison by oth systemic anti-infect/parasit, self-harm, sequ | 662                | Suicide and in            |
| 10                    | T3792XA              | Poison by unsp sys anti-infect and antiparastc, slf-h       | 662                | Suicide and in            |
| 10                    | T3792XD              | Poison by unsp sys anti-infect and antiparastc, slf-h       | 662                | Suicide and in            |
| 10                    | T3792XS              | Poison by unsp sys anti-infect and antiparastc, slf-h       | 662                | Suicide and in            |
| 10                    | T380X2A              | Poisoning by glucocort/synth analog, self-harm, ini         | 662                | Suicide and in            |
| 10                    | T380X2D              | Poisoning by glucocort/synth analog, self-harm, sub         | 662                | Suicide and in            |
| 10                    | T380X2S              | Poisoning by glucocort/synth analog, self-harm, sequ        | 662                | Suicide and in            |
| 10                    | T381X2A              | Poisoning by thyroid hormones and sub, self-harm, ini       | 662                | Suicide and in            |
| 10                    | T381X2D              | Poisoning by thyroid hormones and sub, self-harm, sub       | 662                | Suicide and in            |
| 10                    | T381X2S              | Poisoning by thyroid hormones and sub, self-harm, sequ      | 662                | Suicide and in            |
| 10                    | T382X2A              | Poisoning by antithyroid drugs, intentional self-harm, ini  | 662                | Suicide and in            |
| 10                    | T382X2D              | Poisoning by antithyroid drugs, intentional self-harm, sub  | 662                | Suicide and in            |
| 10                    | T382X2S              | Poisoning by antithyroid drugs, self-harm, sequela          | 662                | Suicide and in            |
| 10                    | T383X2A              | Poison by insulin and oral hypoglycemic drugs, slf-h        | 662                | Suicide and in            |
| 10                    | T383X2D              | Poison by insulin and oral hypoglycemic drugs, slf-h        | 662                | Suicide and in            |
| 10                    | T383X2S              | Poison by insulin and oral hypoglycemic drugs, slf-h        | 662                | Suicide and in            |
| 10                    | T384X2A              | Poisoning by oral contraceptives, self-harm, init           | 662                | Suicide and in            |
| 10                    | T384X2D              | Poisoning by oral contraceptives, self-harm, subs           | 662                | Suicide and in            |
| 10                    | T384X2S              | Poisoning by oral contraceptives, self-harm, sequel         | 662                | Suicide and in            |
| 10                    | T385X2A              | Poisoning by oth estrogens and progestogens, self-harm, ini | 662                | Suicide and in            |
| 10                    | T385X2D              | Poisoning by oth estrogens and progestogens, self-harm, sub | 662                | Suicide and in            |
| 10                    | T385X2S              | Poisoning by oth estrogens and progstrn, self-harm, sequ    | 662                | Suicide and in            |
| 10                    | T386X2A              | Poison by antgonadtr/antiestr/antiandrg, NEC, slf-h         | 662                | Suicide and in            |
| 10                    | T386X2D              | Poison by antgonadtr/antiestr/antiandrg, NEC, slf-h         | 662                | Suicide and in            |
| 10                    | T386X2S              | Poison by antgonadtr/antiestr/antiandrg, NEC, slf-h         | 662                | Suicide and in            |
| 10                    | T387X2A              | Poison by androgens and anabolic congeners, self-harm, ini  | 662                | Suicide and in            |
| 10                    | T387X2D              | Poison by androgens and anabolic congeners, self-harm, sub  | 662                | Suicide and in            |
| 10                    | T387X2S              | Poison by androgens and anabolic congeners, self-harm, sequ | 662                | Suicide and in            |
| 10                    | T38802A              | Poison by unsp hormones and synthetic sub, self-harm, ini   | 662                | Suicide and in            |
| 10                    | T38802D              | Poison by unsp hormones and synthetic sub, self-harm, sub   | 662                | Suicide and in            |
| 10                    | T38802S              | Poison by unsp hormones and synthetic sub, self-harm, sequ  | 662                | Suicide and in            |
| 10                    | T38812A              | Poisoning by anterior pituitary hormones, self-harm, ini    | 662                | Suicide and in            |
| 10                    | T38812D              | Poisoning by anterior pituitary hormones, self-harm, sub    | 662                | Suicide and in            |
| 10                    | T38812S              | Poisoning by anterior pituitary hormones, self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T38892A              | Poisoning by oth hormones and synthetic sub, self-harm, ini | 662                | Suicide and in            |
| 10                    | T38892D              | Poisoning by oth hormones and synthetic sub, self-harm, sub | 662                | Suicide and in            |
| 10                    | T38892S              | Poison by oth hormones and synthetic sub, self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T38902A              | Poisoning by unsp hormone antagonists, self-harm, ini       | 662                | Suicide and in            |
| 10                    | T38902D              | Poisoning by unsp hormone antagonists, self-harm, sub       | 662                | Suicide and in            |
| 10                    | T38902S              | Poisoning by unsp hormone antagonists, self-harm, sequ      | 662                | Suicide and in            |
| 10                    | T38992A              | Poisoning by oth hormone antagonists, self-harm, ini        | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | T38992D              | Poisoning by oth hormone antagonists, self-harm, su  | 662                | Suicide and in            |
| 10                    | T38992S              | Poisoning by oth hormone antagonists, self-harm, se  | 662                | Suicide and in            |
| 10                    | T39012A              | Poisoning by aspirin, intentional self-harm, init e  | 662                | Suicide and in            |
| 10                    | T39012D              | Poisoning by aspirin, intentional self-harm, subs e  | 662                | Suicide and in            |
| 10                    | T39012S              | Poisoning by aspirin, intentional self-harm, sequel  | 662                | Suicide and in            |
| 10                    | T39092A              | Poisoning by salicylates, intentional self-harm, in  | 662                | Suicide and in            |
| 10                    | T39092D              | Poisoning by salicylates, intentional self-harm, su  | 662                | Suicide and in            |
| 10                    | T39092S              | Poisoning by salicylates, intentional self-harm, se  | 662                | Suicide and in            |
| 10                    | T391X2A              | Poisoning by 4-Aminophenol derivatives, self-harm,   | 662                | Suicide and in            |
| 10                    | T391X2D              | Poisoning by 4-Aminophenol derivatives, self-harm,   | 662                | Suicide and in            |
| 10                    | T391X2S              | Poisoning by 4-Aminophenol derivatives, self-harm,   | 662                | Suicide and in            |
| 10                    | T392X2A              | Poisoning by pyrazolone derivatives, self-harm, ini  | 662                | Suicide and in            |
| 10                    | T392X2D              | Poisoning by pyrazolone derivatives, self-harm, sub  | 662                | Suicide and in            |
| 10                    | T392X2S              | Poisoning by pyrazolone derivatives, self-harm, seq  | 662                | Suicide and in            |
| 10                    | T39312A              | Poisoning by propionic acid derivatives, self-harm,  | 662                | Suicide and in            |
| 10                    | T39312D              | Poisoning by propionic acid derivatives, self-harm,  | 662                | Suicide and in            |
| 10                    | T39312S              | Poisoning by propionic acid derivatives, self-harm,  | 662                | Suicide and in            |
| 10                    | T39392A              | Poison by oth nonsteroid anti-inflam drugs, self-har | 662                | Suicide and in            |
| 10                    | T39392D              | Poison by oth nonsteroid anti-inflam drugs, self-har | 662                | Suicide and in            |
| 10                    | T39392S              | Poison by oth nonsteroid anti-inflam drugs, slf-hrm, | 662                | Suicide and in            |
| 10                    | T394X2A              | Poisoning by antirheumatics, NEC, self-harm, init    | 662                | Suicide and in            |
| 10                    | T394X2D              | Poisoning by antirheumatics, NEC, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T394X2S              | Poisoning by antirheumatics, NEC, self-harm, sequel  | 662                | Suicide and in            |
| 10                    | T398X2A              | Poison by oth nonopio analges/antipyret, NEC, self-h | 662                | Suicide and in            |
| 10                    | T398X2D              | Poison by oth nonopio analges/antipyret, NEC, self-h | 662                | Suicide and in            |
| 10                    | T398X2S              | Poison by oth nonopio analges/antipyret, NEC, slf-hr | 662                | Suicide and in            |
| 10                    | T3992XA              | Poison by unsp nonopi analgs/antipyr/antirheu, slf-h | 662                | Suicide and in            |
| 10                    | T3992XD              | Poison by unsp nonopi analgs/antipyr/antirheu, slf-h | 662                | Suicide and in            |
| 10                    | T3992XS              | Poison by unsp nonopi analgs/antipyr/antirheu, slf-h | 662                | Suicide and in            |
| 10                    | T400X2A              | Poisoning by opium, intentional self-harm, initial   | 662                | Suicide and in            |
| 10                    | T400X2D              | Poisoning by opium, intentional self-harm, subs enc  | 662                | Suicide and in            |
| 10                    | T400X2S              | Poisoning by opium, intentional self-harm, sequela   | 662                | Suicide and in            |
| 10                    | T401X2A              | Poisoning by heroin, intentional self-harm, init en  | 662                | Suicide and in            |
| 10                    | T401X2D              | Poisoning by heroin, intentional self-harm, subs en  | 662                | Suicide and in            |
| 10                    | T401X2S              | Poisoning by heroin, intentional self-harm, sequela  | 662                | Suicide and in            |
| 10                    | T402X2A              | Poisoning by oth opioids, intentional self-harm, in  | 662                | Suicide and in            |
| 10                    | T402X2D              | Poisoning by oth opioids, intentional self-harm, su  | 662                | Suicide and in            |
| 10                    | T402X2S              | Poisoning by other opioids, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T403X2A              | Poisoning by methadone, intentional self-harm, init  | 662                | Suicide and in            |
| 10                    | T403X2D              | Poisoning by methadone, intentional self-harm, subs  | 662                | Suicide and in            |
| 10                    | T403X2S              | Poisoning by methadone, intentional self-harm, sequ  | 662                | Suicide and in            |
| 10                    | T404X2A              | Poisoning by oth synthetic narcotics, self-harm, in  | 662                | Suicide and in            |
| 10                    | T404X2D              | Poisoning by oth synthetic narcotics, self-harm, su  | 662                | Suicide and in            |
| 10                    | T404X2S              | Poisoning by oth synthetic narcotics, self-harm, se  | 662                | Suicide and in            |
| 10                    | T405X2A              | Poisoning by cocaine, intentional self-harm, init e  | 662                | Suicide and in            |
| 10                    | T405X2D              | Poisoning by cocaine, intentional self-harm, subs e  | 662                | Suicide and in            |
| 10                    | T405X2S              | Poisoning by cocaine, intentional self-harm, sequel  | 662                | Suicide and in            |
| 10                    | T40602A              | Poisoning by unsp narcotics, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T40602D              | Poisoning by unsp narcotics, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T40602S              | Poisoning by unsp narcotics, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T40692A              | Poisoning by oth narcotics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T40692D              | Poisoning by oth narcotics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T40692S              | Poisoning by other narcotics, intentional self-harm  | 662                | Suicide and in            |
| 10                    | T407X2A              | Poisoning by cannabis (derivatives), self-harm, ini  | 662                | Suicide and in            |
| 10                    | T407X2D              | Poisoning by cannabis (derivatives), self-harm, sub  | 662                | Suicide and in            |
| 10                    | T407X2S              | Poisoning by cannabis (derivatives), self-harm, seq  | 662                | Suicide and in            |
| 10                    | T408X2A              | Poisoning by lysergide, intentional self-harm, init  | 662                | Suicide and in            |
| 10                    | T408X2D              | Poisoning by lysergide, intentional self-harm, subs  | 662                | Suicide and in            |
| 10                    | T408X2S              | Poisoning by lysergide [LSD], intentional self-harm  | 662                | Suicide and in            |
| 10                    | T40902A              | Poisoning by unsp psychodysleptics, self-harm, init  | 662                | Suicide and in            |
| 10                    | T40902D              | Poisoning by unsp psychodysleptics, self-harm, subs  | 662                | Suicide and in            |
| 10                    | T40902S              | Poisoning by unsp psychodysleptics, self-harm, sequ  | 662                | Suicide and in            |
| 10                    | T40992A              | Poisoning by oth psychodysleptics, self-harm, init   | 662                | Suicide and in            |
| 10                    | T40992D              | Poisoning by oth psychodysleptics, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T40992S              | Poisoning by oth psychodysleptics, self-harm, seque  | 662                | Suicide and in            |
| 10                    | T410X2A              | Poisoning by inhaled anesthetics, self-harm, init    | 662                | Suicide and in            |
| 10                    | T410X2D              | Poisoning by inhaled anesthetics, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T410X2S              | Poisoning by inhaled anesthetics, self-harm, sequel  | 662                | Suicide and in            |
| 10                    | T411X2A              | Poisoning by intravenous anesthetics, self-harm, in  | 662                | Suicide and in            |
| 10                    | T411X2D              | Poisoning by intravenous anesthetics, self-harm, su  | 662                | Suicide and in            |
| 10                    | T411X2S              | Poisoning by intravenous anesthetics, self-harm, se  | 662                | Suicide and in            |
| 10                    | T41202A              | Poisoning by unsp general anesthetics, self-harm, i  | 662                | Suicide and in            |
| 10                    | T41202D              | Poisoning by unsp general anesthetics, self-harm, s  | 662                | Suicide and in            |
| 10                    | T41202S              | Poisoning by unsp general anesthetics, self-harm, s  | 662                | Suicide and in            |
| 10                    | T41292A              | Poisoning by oth general anesthetics, self-harm, in  | 662                | Suicide and in            |
| 10                    | T41292D              | Poisoning by oth general anesthetics, self-harm, su  | 662                | Suicide and in            |
| 10                    | T41292S              | Poisoning by oth general anesthetics, self-harm, se  | 662                | Suicide and in            |
| 10                    | T413X2A              | Poisoning by local anesthetics, intentional self-ha  | 662                | Suicide and in            |
| 10                    | T413X2D              | Poisoning by local anesthetics, intentional self-ha  | 662                | Suicide and in            |
| 10                    | T413X2S              | Poisoning by local anesthetics, self-harm, sequela   | 662                | Suicide and in            |
| 10                    | T4142XA              | Poisoning by unsp anesthetic, intentional self-harm  | 662                | Suicide and in            |
| 10                    | T4142XD              | Poisoning by unsp anesthetic, intentional self-harm  | 662                | Suicide and in            |
| 10                    | T4142XS              | Poisoning by unsp anesthetic, intentional self-harm  | 662                | Suicide and in            |
| 10                    | T415X2A              | Poisoning by therapeutic gases, intentional self-ha  | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | T415X2D              | Poisoning by therapeutic gases, intentional self-ha    | 662                | Suicide and in            |
| 10                    | T415X2S              | Poisoning by therapeutic gases, self-harm, sequela     | 662                | Suicide and in            |
| 10                    | T420X2A              | Poisoning by hydantoin derivatives, self-harm, init    | 662                | Suicide and in            |
| 10                    | T420X2D              | Poisoning by hydantoin derivatives, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T420X2S              | Poisoning by hydantoin derivatives, self-harm, sequ    | 662                | Suicide and in            |
| 10                    | T421X2A              | Poisoning by iminostilbenes, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T421X2D              | Poisoning by iminostilbenes, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T421X2S              | Poisoning by iminostilbenes, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T422X2A              | Poison by succinimides and oxazolinediones, self-h     | 662                | Suicide and in            |
| 10                    | T422X2D              | Poison by succinimides and oxazolinediones, self-h     | 662                | Suicide and in            |
| 10                    | T422X2S              | Poison by succinimides and oxazolinediones, slf-hr     | 662                | Suicide and in            |
| 10                    | T423X2A              | Poisoning by barbiturates, intentional self-harm, i    | 662                | Suicide and in            |
| 10                    | T423X2D              | Poisoning by barbiturates, intentional self-harm, s    | 662                | Suicide and in            |
| 10                    | T423X2S              | Poisoning by barbiturates, intentional self-harm, s    | 662                | Suicide and in            |
| 10                    | T424X2A              | Poisoning by benzodiazepines, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T424X2D              | Poisoning by benzodiazepines, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T424X2S              | Poisoning by benzodiazepines, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T425X2A              | Poisoning by mixed antiepileptics, self-harm, init     | 662                | Suicide and in            |
| 10                    | T425X2D              | Poisoning by mixed antiepileptics, self-harm, subs     | 662                | Suicide and in            |
| 10                    | T425X2S              | Poisoning by mixed antiepileptics, self-harm, seque    | 662                | Suicide and in            |
| 10                    | T426X2A              | Poison by oth antieplptc and sed-hypntc drugs, slf-h   | 662                | Suicide and in            |
| 10                    | T426X2D              | Poison by oth antieplptc and sed-hypntc drugs, slf-h   | 662                | Suicide and in            |
| 10                    | T426X2S              | Poison by oth antieplptc and sed-hypntc drugs, slf-h   | 662                | Suicide and in            |
| 10                    | T4272XA              | Poison by unsp antieplptc and sed-hypntc drugs, slf-   | 662                | Suicide and in            |
| 10                    | T4272XD              | Poison by unsp antieplptc and sed-hypntc drugs, slf-   | 662                | Suicide and in            |
| 10                    | T4272XS              | Poison by unsp antieplptc and sed-hypntc drugs, slf-   | 662                | Suicide and in            |
| 10                    | T428X2A              | Poison by antiparkns drug/centr musc-tone depr, slf-   | 662                | Suicide and in            |
| 10                    | T428X2D              | Poison by antiparkns drug/centr musc-tone depr, slf-   | 662                | Suicide and in            |
| 10                    | T428X2S              | Poison by antiparkns drug/centr musc-tone depr, slf-   | 662                | Suicide and in            |
| 10                    | T43012A              | Poisoning by tricyclic antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T43012D              | Poisoning by tricyclic antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T43012S              | Poisoning by tricyclic antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T43022A              | Poisoning by tetracyclic antidepressants, self-harm    | 662                | Suicide and in            |
| 10                    | T43022D              | Poisoning by tetracyclic antidepressants, self-harm    | 662                | Suicide and in            |
| 10                    | T43022S              | Poisoning by tetracyclic antidepressants, self-harm    | 662                | Suicide and in            |
| 10                    | T431X2A              | Poisoning by MAO inhib antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T431X2D              | Poisoning by MAO inhib antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T431X2S              | Poisoning by MAO inhib antidepressants, self-harm,     | 662                | Suicide and in            |
| 10                    | T43202A              | Poisoning by unsp antidepressants, self-harm, init     | 662                | Suicide and in            |
| 10                    | T43202D              | Poisoning by unsp antidepressants, self-harm, subs     | 662                | Suicide and in            |
| 10                    | T43202S              | Poisoning by unsp antidepressants, self-harm, seque    | 662                | Suicide and in            |
| 10                    | T43212A              | Poison by slctv serotonin/norepineph reup inhibtr,slf- | 662                | Suicide and in            |
| 10                    | T43212D              | Poison by slctv serotonin/norepineph reup inhibtr,slf- | 662                | Suicide and in            |
| 10                    | T43212S              | Poison by slctv serotonin/norepineph reup inhibtr,slf- | 662                | Suicide and in            |
| 10                    | T43222A              | Poison by slctv serotonin reuptake inhibtr, self-har   | 662                | Suicide and in            |
| 10                    | T43222D              | Poison by slctv serotonin reuptake inhibtr, self-har   | 662                | Suicide and in            |
| 10                    | T43222S              | Poison by slctv serotonin reuptake inhibtr, slf-hrm,   | 662                | Suicide and in            |
| 10                    | T43292A              | Poisoning by oth antidepressants, self-harm, init      | 662                | Suicide and in            |
| 10                    | T43292D              | Poisoning by oth antidepressants, self-harm, subs      | 662                | Suicide and in            |
| 10                    | T43292S              | Poisoning by oth antidepressants, self-harm, sequel    | 662                | Suicide and in            |
| 10                    | T433X2A              | Poison by phenothiaz antipsychot/neurolept, self-har   | 662                | Suicide and in            |
| 10                    | T433X2D              | Poison by phenothiaz antipsychot/neurolept, self-har   | 662                | Suicide and in            |
| 10                    | T433X2S              | Poison by phenothiaz antipsychot/neurolept, slf-hrm,   | 662                | Suicide and in            |
| 10                    | T434X2A              | Poison by butyrophen/thiothixen neuroleptc, self-har   | 662                | Suicide and in            |
| 10                    | T434X2D              | Poison by butyrophen/thiothixen neuroleptc, self-har   | 662                | Suicide and in            |
| 10                    | T434X2S              | Poison by butyrophen/thiothixen neuroleptc, slf-hrm,   | 662                | Suicide and in            |
| 10                    | T43502A              | Poisoning by unsp antipsychot/neurolept, self-harm,    | 662                | Suicide and in            |
| 10                    | T43502D              | Poisoning by unsp antipsychot/neurolept, self-harm,    | 662                | Suicide and in            |
| 10                    | T43502S              | Poisoning by unsp antipsychot/neurolept, self-harm,    | 662                | Suicide and in            |
| 10                    | T43592A              | Poisoning by oth antipsychot/neurolept, self-harm,     | 662                | Suicide and in            |
| 10                    | T43592D              | Poisoning by oth antipsychot/neurolept, self-harm,     | 662                | Suicide and in            |
| 10                    | T43592S              | Poisoning by oth antipsychot/neurolept, self-harm,     | 662                | Suicide and in            |
| 10                    | T43602A              | Poisoning by unsp psychostimulants, self-harm, init    | 662                | Suicide and in            |
| 10                    | T43602D              | Poisoning by unsp psychostimulants, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T43602S              | Poisoning by unsp psychostimulants, self-harm, sequ    | 662                | Suicide and in            |
| 10                    | T43612A              | Poisoning by caffeine, intentional self-harm, init     | 662                | Suicide and in            |
| 10                    | T43612D              | Poisoning by caffeine, intentional self-harm, subs     | 662                | Suicide and in            |
| 10                    | T43612S              | Poisoning by caffeine, intentional self-harm, seque    | 662                | Suicide and in            |
| 10                    | T43622A              | Poisoning by amphetamines, intentional self-harm, i    | 662                | Suicide and in            |
| 10                    | T43622D              | Poisoning by amphetamines, intentional self-harm, s    | 662                | Suicide and in            |
| 10                    | T43622S              | Poisoning by amphetamines, intentional self-harm, s    | 662                | Suicide and in            |
| 10                    | T43632A              | Poisoning by methylphenidate, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T43632D              | Poisoning by methylphenidate, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T43632S              | Poisoning by methylphenidate, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T43692A              | Poisoning by oth psychostimulants, self-harm, init     | 662                | Suicide and in            |
| 10                    | T43692D              | Poisoning by oth psychostimulants, self-harm, subs     | 662                | Suicide and in            |
| 10                    | T43692S              | Poisoning by oth psychostimulants, self-harm, seque    | 662                | Suicide and in            |
| 10                    | T438X2A              | Poisoning by oth psychotropic drugs, self-harm, ini    | 662                | Suicide and in            |
| 10                    | T438X2D              | Poisoning by oth psychotropic drugs, self-harm, sub    | 662                | Suicide and in            |
| 10                    | T438X2S              | Poisoning by oth psychotropic drugs, self-harm, seq    | 662                | Suicide and in            |
| 10                    | T4392XA              | Poisoning by unsp psychotropic drug, self-harm, ini    | 662                | Suicide and in            |
| 10                    | T4392XD              | Poisoning by unsp psychotropic drug, self-harm, sub    | 662                | Suicide and in            |
| 10                    | T4392XS              | Poisoning by unsp psychotropic drug, self-harm, seq    | 662                | Suicide and in            |
| 10                    | T440X2A              | Poisoning by anticholinesterase agents, self-harm,     | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | T440X2D              | Poisoning by anticholinesterase agents, self-harm,     | 662                | Suicide and in            |
| 10                    | T440X2S              | Poisoning by anticholinesterase agents, self-harm,     | 662                | Suicide and in            |
| 10                    | T441X2A              | Poisoning by oth parasymphathomimetics, self-harm, i   | 662                | Suicide and in            |
| 10                    | T441X2D              | Poisoning by oth parasymphathomimetics, self-harm, s   | 662                | Suicide and in            |
| 10                    | T441X2S              | Poisoning by oth parasymphathomimetics, self-harm, s   | 662                | Suicide and in            |
| 10                    | T442X2A              | Poisoning by ganglionic blocking drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T442X2D              | Poisoning by ganglionic blocking drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T442X2S              | Poisoning by ganglionic blocking drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T443X2A              | Poison by oth parasymphath and spasmolytics, self-har  | 662                | Suicide and in            |
| 10                    | T443X2D              | Poison by oth parasymphath and spasmolytics, self-har  | 662                | Suicide and in            |
| 10                    | T443X2S              | Poison by oth parasymphath and spasmolytics, self-hrm, | 662                | Suicide and in            |
| 10                    | T444X2A              | Poison by predom alpha-adrenocpt agonists, self-harm   | 662                | Suicide and in            |
| 10                    | T444X2D              | Poison by predom alpha-adrenocpt agonists, self-harm   | 662                | Suicide and in            |
| 10                    | T444X2S              | Poison by predom alpha-adrenocpt agonists, self-harm   | 662                | Suicide and in            |
| 10                    | T445X2A              | Poisoning by predom beta-adrenocpt agonists, self-h    | 662                | Suicide and in            |
| 10                    | T445X2D              | Poisoning by predom beta-adrenocpt agonists, self-h    | 662                | Suicide and in            |
| 10                    | T445X2S              | Poison by predom beta-adrenocpt agonists, self-harm,   | 662                | Suicide and in            |
| 10                    | T446X2A              | Poisoning by alpha-adrenocpt antagonists, self-harm    | 662                | Suicide and in            |
| 10                    | T446X2D              | Poisoning by alpha-adrenocpt antagonists, self-harm    | 662                | Suicide and in            |
| 10                    | T446X2S              | Poisoning by alpha-adrenocpt antagonists, self-harm    | 662                | Suicide and in            |
| 10                    | T447X2A              | Poisoning by beta-adrenocpt antagonists, self-harm,    | 662                | Suicide and in            |
| 10                    | T447X2D              | Poisoning by beta-adrenocpt antagonists, self-harm,    | 662                | Suicide and in            |
| 10                    | T447X2S              | Poisoning by beta-adrenocpt antagonists, self-harm,    | 662                | Suicide and in            |
| 10                    | T448X2A              | Poison by centr-acting/adren-neurn-block agnt, slf-h   | 662                | Suicide and in            |
| 10                    | T448X2D              | Poison by centr-acting/adren-neurn-block agnt, slf-h   | 662                | Suicide and in            |
| 10                    | T448X2S              | Poison by centr-acting/adren-neurn-block agnt, slf-h   | 662                | Suicide and in            |
| 10                    | T44902A              | Poison by unsp drugs aff the autonm nrv sys, slf-hrm   | 662                | Suicide and in            |
| 10                    | T44902D              | Poison by unsp drugs aff the autonm nrv sys, slf-hrm   | 662                | Suicide and in            |
| 10                    | T44902S              | Poison by unsp drugs aff the autonm nrv sys, slf-hrm   | 662                | Suicide and in            |
| 10                    | T44992A              | Poison by oth drug aff the autonm nervous sys, slf-h   | 662                | Suicide and in            |
| 10                    | T44992D              | Poison by oth drug aff the autonm nervous sys, slf-h   | 662                | Suicide and in            |
| 10                    | T44992S              | Poison by oth drug aff the autonm nrv sys, slf-hrm,    | 662                | Suicide and in            |
| 10                    | T450X2A              | Poisoning by antiallerg/antiemetic, self-harm, init    | 662                | Suicide and in            |
| 10                    | T450X2D              | Poisoning by antiallerg/antiemetic, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T450X2S              | Poisoning by antiallerg/antiemetic, self-harm, sequ    | 662                | Suicide and in            |
| 10                    | T451X2A              | Poisoning by antineopl and immunosup drugs, self-ha    | 662                | Suicide and in            |
| 10                    | T451X2D              | Poisoning by antineopl and immunosup drugs, self-ha    | 662                | Suicide and in            |
| 10                    | T451X2S              | Poison by antineopl and immunosup drugs, self-harm,    | 662                | Suicide and in            |
| 10                    | T452X2A              | Poisoning by vitamins, intentional self-harm, init     | 662                | Suicide and in            |
| 10                    | T452X2D              | Poisoning by vitamins, intentional self-harm, subs     | 662                | Suicide and in            |
| 10                    | T452X2S              | Poisoning by vitamins, intentional self-harm, seque    | 662                | Suicide and in            |
| 10                    | T453X2A              | Poisoning by enzymes, intentional self-harm, init e    | 662                | Suicide and in            |
| 10                    | T453X2D              | Poisoning by enzymes, intentional self-harm, subs e    | 662                | Suicide and in            |
| 10                    | T453X2S              | Poisoning by enzymes, intentional self-harm, sequel    | 662                | Suicide and in            |
| 10                    | T454X2A              | Poisoning by iron and its compounds, self-harm, ini    | 662                | Suicide and in            |
| 10                    | T454X2D              | Poisoning by iron and its compounds, self-harm, sub    | 662                | Suicide and in            |
| 10                    | T454X2S              | Poisoning by iron and its compounds, self-harm, seq    | 662                | Suicide and in            |
| 10                    | T45512A              | Poisoning by anticoagulants, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T45512D              | Poisoning by anticoagulants, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T45512S              | Poisoning by anticoagulants, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T45522A              | Poisoning by antithrombotic drugs, self-harm, init     | 662                | Suicide and in            |
| 10                    | T45522D              | Poisoning by antithrombotic drugs, self-harm, subs     | 662                | Suicide and in            |
| 10                    | T45522S              | Poisoning by antithrombotic drugs, self-harm, seque    | 662                | Suicide and in            |
| 10                    | T45602A              | Poisoning by unsp fibrin-afct drugs, self-harm, in     | 662                | Suicide and in            |
| 10                    | T45602D              | Poisoning by unsp fibrin-afct drugs, self-harm, su     | 662                | Suicide and in            |
| 10                    | T45602S              | Poisoning by unsp fibrin-afct drugs, self-harm, se     | 662                | Suicide and in            |
| 10                    | T45612A              | Poisoning by thrombolytic drug, intentional self-ha    | 662                | Suicide and in            |
| 10                    | T45612D              | Poisoning by thrombolytic drug, intentional self-ha    | 662                | Suicide and in            |
| 10                    | T45612S              | Poisoning by thrombolytic drug, self-harm, sequela     | 662                | Suicide and in            |
| 10                    | T45622A              | Poisoning by hemostatic drug, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T45622D              | Poisoning by hemostatic drug, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T45622S              | Poisoning by hemostatic drug, intentional self-harm    | 662                | Suicide and in            |
| 10                    | T45692A              | Poisoning by oth fibrin-afct drugs, self-harm, ini     | 662                | Suicide and in            |
| 10                    | T45692D              | Poisoning by oth fibrin-afct drugs, self-harm, sub     | 662                | Suicide and in            |
| 10                    | T45692S              | Poisoning by oth fibrin-afct drugs, self-harm, seq     | 662                | Suicide and in            |
| 10                    | T457X2A              | Poison by anticoag antag, vit K and oth coag, slf-hr   | 662                | Suicide and in            |
| 10                    | T457X2D              | Poison by anticoag antag, vit K and oth coag, slf-hr   | 662                | Suicide and in            |
| 10                    | T457X2S              | Poison by anticoag antag, vit K and oth coag, slf-hr   | 662                | Suicide and in            |
| 10                    | T458X2A              | Poison by oth prim sys and hematolog agents, slf-hrm   | 662                | Suicide and in            |
| 10                    | T458X2D              | Poison by oth prim sys and hematolog agents, slf-hrm   | 662                | Suicide and in            |
| 10                    | T458X2S              | Poison by oth prim sys and hematolog agents, slf-hrm   | 662                | Suicide and in            |
| 10                    | T4592XA              | Poison by unsp prim sys and hematolog agent, slf-hrm   | 662                | Suicide and in            |
| 10                    | T4592XD              | Poison by unsp prim sys and hematolog agent, slf-hrm   | 662                | Suicide and in            |
| 10                    | T4592XS              | Poison by unsp prim sys and hematolog agent, slf-hrm   | 662                | Suicide and in            |
| 10                    | T460X2A              | Poison by cardi-stim glycos/drug similar act, self-ha  | 662                | Suicide and in            |
| 10                    | T460X2D              | Poison by cardi-stim glycos/drug similar act, self-ha  | 662                | Suicide and in            |
| 10                    | T460X2S              | Poison by cardi-stim glycos/drug similar act, slf-hrm  | 662                | Suicide and in            |
| 10                    | T461X2A              | Poisoning by calcium-channel blockers, self-harm, i    | 662                | Suicide and in            |
| 10                    | T461X2D              | Poisoning by calcium-channel blockers, self-harm, s    | 662                | Suicide and in            |
| 10                    | T461X2S              | Poisoning by calcium-channel blockers, self-harm, s    | 662                | Suicide and in            |
| 10                    | T462X2A              | Poisoning by oth antidysrhythmic drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T462X2D              | Poisoning by oth antidysrhythmic drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T462X2S              | Poisoning by oth antidysrhythmic drugs, self-harm,     | 662                | Suicide and in            |
| 10                    | T463X2A              | Poisoning by coronary vasodilators, self-harm, init    | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                 | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T463X2D              | Poisoning by coronary vasodilators, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T463X2S              | Poisoning by coronary vasodilators, self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T464X2A              | Poison by angiotens-convert-enzyme inhibtr, self-har  | 662                | Suicide and in            |
| 10                    | T464X2D              | Poison by angiotens-convert-enzyme inhibtr, self-har  | 662                | Suicide and in            |
| 10                    | T464X2S              | Poison by angiotens-convert-enzyme inhibtr, self-har  | 662                | Suicide and in            |
| 10                    | T465X2A              | Poisoning by oth antihypertensive drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T465X2D              | Poisoning by oth antihypertensive drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T465X2S              | Poisoning by oth antihypertensive drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T466X2A              | Poison by antihyperlip and antiarterio drugs, self-h  | 662                | Suicide and in            |
| 10                    | T466X2D              | Poison by antihyperlip and antiarterio drugs, self-h  | 662                | Suicide and in            |
| 10                    | T466X2S              | Poison by antihyperlip and antiarterio drugs, self-hr | 662                | Suicide and in            |
| 10                    | T467X2A              | Poisoning by peripheral vasodilators, self-harm, in   | 662                | Suicide and in            |
| 10                    | T467X2D              | Poisoning by peripheral vasodilators, self-harm, su   | 662                | Suicide and in            |
| 10                    | T467X2S              | Poisoning by peripheral vasodilators, self-harm, se   | 662                | Suicide and in            |
| 10                    | T468X2A              | Poison by antivaric drugs, inc scler agents, self-ha  | 662                | Suicide and in            |
| 10                    | T468X2D              | Poison by antivaric drugs, inc scler agents, self-ha  | 662                | Suicide and in            |
| 10                    | T468X2S              | Poison by antivaric drugs, inc scler agents, self-hrm | 662                | Suicide and in            |
| 10                    | T46902A              | Poison by unsp agents aff the cardiovasc sys, self-h  | 662                | Suicide and in            |
| 10                    | T46902D              | Poison by unsp agents aff the cardiovasc sys, self-h  | 662                | Suicide and in            |
| 10                    | T46902S              | Poison by unsp agents aff the cardiovasc sys, self-hr | 662                | Suicide and in            |
| 10                    | T46992A              | Poison by oth agents aff the cardiovasc sys, self-ha  | 662                | Suicide and in            |
| 10                    | T46992D              | Poison by oth agents aff the cardiovasc sys, self-ha  | 662                | Suicide and in            |
| 10                    | T46992S              | Poison by oth agents aff the cardiovasc sys, self-hrm | 662                | Suicide and in            |
| 10                    | T470X2A              | Poisoning by histamine H2-receptor blockers, self-h   | 662                | Suicide and in            |
| 10                    | T470X2D              | Poisoning by histamine H2-receptor blockers, self-h   | 662                | Suicide and in            |
| 10                    | T470X2S              | Poison by histamine H2-receptor blockers, self-harm,  | 662                | Suicide and in            |
| 10                    | T471X2A              | Poison by oth antacids & anti-gstrc-sec drugs, self-h | 662                | Suicide and in            |
| 10                    | T471X2D              | Poison by oth antacids & anti-gstrc-sec drugs, self-h | 662                | Suicide and in            |
| 10                    | T471X2S              | Poison by oth antacids & anti-gstrc-sec drugs, self-h | 662                | Suicide and in            |
| 10                    | T472X2A              | Poisoning by stimulant laxatives, self-harm, init     | 662                | Suicide and in            |
| 10                    | T472X2D              | Poisoning by stimulant laxatives, self-harm, subs     | 662                | Suicide and in            |
| 10                    | T472X2S              | Poisoning by stimulant laxatives, self-harm, sequel   | 662                | Suicide and in            |
| 10                    | T473X2A              | Poisoning by saline and osmotic laxatives, self-har   | 662                | Suicide and in            |
| 10                    | T473X2D              | Poisoning by saline and osmotic laxatives, self-har   | 662                | Suicide and in            |
| 10                    | T473X2S              | Poisoning by saline and osmotic laxatv, self-harm, s  | 662                | Suicide and in            |
| 10                    | T474X2A              | Poisoning by oth laxatives, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T474X2D              | Poisoning by oth laxatives, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T474X2S              | Poisoning by other laxatives, intentional self-harm   | 662                | Suicide and in            |
| 10                    | T475X2A              | Poisoning by digestants, intentional self-harm, ini   | 662                | Suicide and in            |
| 10                    | T475X2D              | Poisoning by digestants, intentional self-harm, sub   | 662                | Suicide and in            |
| 10                    | T475X2S              | Poisoning by digestants, intentional self-harm, seq   | 662                | Suicide and in            |
| 10                    | T476X2A              | Poisoning by antiarrheal drugs, self-harm, init       | 662                | Suicide and in            |
| 10                    | T476X2D              | Poisoning by antiarrheal drugs, self-harm, subs       | 662                | Suicide and in            |
| 10                    | T476X2S              | Poisoning by antiarrheal drugs, self-harm, sequel     | 662                | Suicide and in            |
| 10                    | T477X2A              | Poisoning by emetics, intentional self-harm, init e   | 662                | Suicide and in            |
| 10                    | T477X2D              | Poisoning by emetics, intentional self-harm, subs e   | 662                | Suicide and in            |
| 10                    | T477X2S              | Poisoning by emetics, intentional self-harm, sequel   | 662                | Suicide and in            |
| 10                    | T478X2A              | Poisoning by oth agents aff GI sys, self-harm, init   | 662                | Suicide and in            |
| 10                    | T478X2D              | Poisoning by oth agents aff GI sys, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T478X2S              | Poisoning by oth agents aff GI sys, self-harm, sequ   | 662                | Suicide and in            |
| 10                    | T4792XA              | Poisoning by unsp agents aff the GI sys, self-harm,   | 662                | Suicide and in            |
| 10                    | T4792XD              | Poisoning by unsp agents aff the GI sys, self-harm,   | 662                | Suicide and in            |
| 10                    | T4792XS              | Poisoning by unsp agents aff the GI sys, self-harm,   | 662                | Suicide and in            |
| 10                    | T480X2A              | Poisoning by oxytotic drugs, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T480X2D              | Poisoning by oxytotic drugs, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T480X2S              | Poisoning by oxytotic drugs, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T481X2A              | Poisoning by skeletal muscle relaxants, self-harm,    | 662                | Suicide and in            |
| 10                    | T481X2D              | Poisoning by skeletal muscle relaxants, self-harm,    | 662                | Suicide and in            |
| 10                    | T481X2S              | Poisoning by skeletal muscle relaxants, self-harm,    | 662                | Suicide and in            |
| 10                    | T48202A              | Poisoning by unsp drugs acting on muscles, self-har   | 662                | Suicide and in            |
| 10                    | T48202D              | Poisoning by unsp drugs acting on muscles, self-har   | 662                | Suicide and in            |
| 10                    | T48202S              | Poison by unsp drugs acting on muscles, self-harm, s  | 662                | Suicide and in            |
| 10                    | T48292A              | Poisoning by oth drugs acting on muscles, self-harm   | 662                | Suicide and in            |
| 10                    | T48292D              | Poisoning by oth drugs acting on muscles, self-harm   | 662                | Suicide and in            |
| 10                    | T48292S              | Poisoning by oth drugs acting on muscles, self-harm   | 662                | Suicide and in            |
| 10                    | T483X2A              | Poisoning by antitussives, intentional self-harm, i   | 662                | Suicide and in            |
| 10                    | T483X2D              | Poisoning by antitussives, intentional self-harm, s   | 662                | Suicide and in            |
| 10                    | T483X2S              | Poisoning by antitussives, intentional self-harm, s   | 662                | Suicide and in            |
| 10                    | T484X2A              | Poisoning by expectorants, intentional self-harm, i   | 662                | Suicide and in            |
| 10                    | T484X2D              | Poisoning by expectorants, intentional self-harm, s   | 662                | Suicide and in            |
| 10                    | T484X2S              | Poisoning by expectorants, intentional self-harm, s   | 662                | Suicide and in            |
| 10                    | T485X2A              | Poisoning by oth anti-common-cold drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T485X2D              | Poisoning by oth anti-common-cold drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T485X2S              | Poisoning by oth anti-common-cold drugs, self-harm,   | 662                | Suicide and in            |
| 10                    | T486X2A              | Poisoning by antiasthmatics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T486X2D              | Poisoning by antiasthmatics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T486X2S              | Poisoning by antiasthmatics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T48902A              | Poison by unsp agents prim act on the resp sys, self- | 662                | Suicide and in            |
| 10                    | T48902D              | Poison by unsp agents prim act on the resp sys, self- | 662                | Suicide and in            |
| 10                    | T48902S              | Poison by unsp agents prim act on the resp sys, self- | 662                | Suicide and in            |
| 10                    | T48992A              | Poison by oth agents prim act on the resp sys, self-h | 662                | Suicide and in            |
| 10                    | T48992D              | Poison by oth agents prim act on the resp sys, self-h | 662                | Suicide and in            |
| 10                    | T48992S              | Poison by oth agents prim act on the resp sys, self-h | 662                | Suicide and in            |
| 10                    | T490X2A              | Poison by local antifung/infect/inflam drugs, self-h  | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                 | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T490X2D              | Poison by local antifung/infect/inflam drugs, slf-h   | 662                | Suicide and in            |
| 10                    | T490X2S              | Poison by local antifung/infect/inflam drugs, slf-h   | 662                | Suicide and in            |
| 10                    | T491X2A              | Poisoning by antipruritics, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T491X2D              | Poisoning by antipruritics, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T491X2S              | Poisoning by antipruritics, intentional self-harm,    | 662                | Suicide and in            |
| 10                    | T492X2A              | Poisoning by local astringents/detergents, self-har   | 662                | Suicide and in            |
| 10                    | T492X2D              | Poisoning by local astringents/detergents, self-har   | 662                | Suicide and in            |
| 10                    | T492X2S              | Poison by local astringents/detergents, self-harm, s  | 662                | Suicide and in            |
| 10                    | T493X2A              | Poison by emollients, demulcents and protect, self-h  | 662                | Suicide and in            |
| 10                    | T493X2D              | Poison by emollients, demulcents and protect, self-h  | 662                | Suicide and in            |
| 10                    | T493X2S              | Poison by emollients, demulcents and protect, slf-hr  | 662                | Suicide and in            |
| 10                    | T494X2A              | Poison by keratolyt/keratplst/hair trmt drug, self-h  | 662                | Suicide and in            |
| 10                    | T494X2D              | Poison by keratolyt/keratplst/hair trmt drug, self-h  | 662                | Suicide and in            |
| 10                    | T494X2S              | Poison by keratolyt/keratplst/hair trmt drug, slf-hr  | 662                | Suicide and in            |
| 10                    | T495X2A              | Poisoning by opth drugs and preparations, self-harm   | 662                | Suicide and in            |
| 10                    | T495X2D              | Poisoning by opth drugs and preparations, self-harm   | 662                | Suicide and in            |
| 10                    | T495X2S              | Poisoning by opth drugs and preparations, self-harm   | 662                | Suicide and in            |
| 10                    | T496X2A              | Poisoning by otorhino drugs and prep, self-harm, in   | 662                | Suicide and in            |
| 10                    | T496X2D              | Poisoning by otorhino drugs and prep, self-harm, su   | 662                | Suicide and in            |
| 10                    | T496X2S              | Poisoning by otorhino drugs and prep, self-harm, se   | 662                | Suicide and in            |
| 10                    | T497X2A              | Poison by dental drugs, topically applied, self-harm  | 662                | Suicide and in            |
| 10                    | T497X2D              | Poison by dental drugs, topically applied, self-harm  | 662                | Suicide and in            |
| 10                    | T497X2S              | Poison by dental drugs, topically applied, self-harm  | 662                | Suicide and in            |
| 10                    | T498X2A              | Poisoning by oth topical agents, intentional self-h   | 662                | Suicide and in            |
| 10                    | T498X2D              | Poisoning by oth topical agents, intentional self-h   | 662                | Suicide and in            |
| 10                    | T498X2S              | Poisoning by oth topical agents, self-harm, sequela   | 662                | Suicide and in            |
| 10                    | T4992XA              | Poisoning by unsp topical agent, intentional self-h   | 662                | Suicide and in            |
| 10                    | T4992XD              | Poisoning by unsp topical agent, intentional self-h   | 662                | Suicide and in            |
| 10                    | T4992XS              | Poisoning by unsp topical agent, self-harm, sequela   | 662                | Suicide and in            |
| 10                    | T500X2A              | Poisoning by mineralocorticoids and antag, self-har   | 662                | Suicide and in            |
| 10                    | T500X2D              | Poisoning by mineralocorticoids and antag, self-har   | 662                | Suicide and in            |
| 10                    | T500X2S              | Poison by mineralocorticoids and antag, self-harm, s  | 662                | Suicide and in            |
| 10                    | T501X2A              | Poisoning by loop diuretics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T501X2D              | Poisoning by loop diuretics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T501X2S              | Poisoning by loop diuretics, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T502X2A              | Poison by crbnc-anhydr inhibtr,benzo/oth diuretc,sif  | 662                | Suicide and in            |
| 10                    | T502X2D              | Poison by crbnc-anhydr inhibtr,benzo/oth diuretc,sif  | 662                | Suicide and in            |
| 10                    | T502X2S              | Poison by crbnc-anhydr inhibtr,benzo/oth diuretc,sif  | 662                | Suicide and in            |
| 10                    | T503X2A              | Poison by electrolytic/caloric/wtr-bal agnt, self-ha  | 662                | Suicide and in            |
| 10                    | T503X2D              | Poison by electrolytic/caloric/wtr-bal agnt, self-ha  | 662                | Suicide and in            |
| 10                    | T503X2S              | Poison by electrolytic/caloric/wtr-bal agnt, self-hrm | 662                | Suicide and in            |
| 10                    | T504X2A              | Poisoning by drugs aff uric acid metab, self-harm,    | 662                | Suicide and in            |
| 10                    | T504X2D              | Poisoning by drugs aff uric acid metab, self-harm,    | 662                | Suicide and in            |
| 10                    | T504X2S              | Poisoning by drugs aff uric acid metab, self-harm,    | 662                | Suicide and in            |
| 10                    | T505X2A              | Poisoning by appetite depressants, self-harm, init    | 662                | Suicide and in            |
| 10                    | T505X2D              | Poisoning by appetite depressants, self-harm, subs    | 662                | Suicide and in            |
| 10                    | T505X2S              | Poisoning by appetite depressants, self-harm, seque   | 662                | Suicide and in            |
| 10                    | T506X2A              | Poisoning by antidotes and chelating agents, self-h   | 662                | Suicide and in            |
| 10                    | T506X2D              | Poisoning by antidotes and chelating agents, self-h   | 662                | Suicide and in            |
| 10                    | T506X2S              | Poison by antidotes and chelating agents, self-harm,  | 662                | Suicide and in            |
| 10                    | T507X2A              | Poison by analeptics and opioid receptor antag, slf-  | 662                | Suicide and in            |
| 10                    | T507X2D              | Poison by analeptics and opioid receptor antag, slf-  | 662                | Suicide and in            |
| 10                    | T507X2S              | Poison by analeptics and opioid receptor antag, slf-  | 662                | Suicide and in            |
| 10                    | T508X2A              | Poisoning by diagnostic agents, intentional self-ha   | 662                | Suicide and in            |
| 10                    | T508X2D              | Poisoning by diagnostic agents, intentional self-ha   | 662                | Suicide and in            |
| 10                    | T508X2S              | Poisoning by diagnostic agents, self-harm, sequela    | 662                | Suicide and in            |
| 10                    | T50902A              | Poisoning by unsp drug/meds/biol subst, self-harm,    | 662                | Suicide and in            |
| 10                    | T50902D              | Poisoning by unsp drug/meds/biol subst, self-harm,    | 662                | Suicide and in            |
| 10                    | T50902S              | Poisoning by unsp drug/meds/biol subst, self-harm,    | 662                | Suicide and in            |
| 10                    | T50992A              | Poisoning by oth drug/meds/biol subst, self-harm, i   | 662                | Suicide and in            |
| 10                    | T50992D              | Poisoning by oth drug/meds/biol subst, self-harm, s   | 662                | Suicide and in            |
| 10                    | T50992S              | Poisoning by oth drug/meds/biol subst, self-harm, s   | 662                | Suicide and in            |
| 10                    | T50A12A              | Poison by pertuss vaccn, inc combin w pertuss, slf-h  | 662                | Suicide and in            |
| 10                    | T50A12D              | Poison by pertuss vaccn, inc combin w pertuss, slf-h  | 662                | Suicide and in            |
| 10                    | T50A12S              | Poison by pertuss vaccn, inc combin w pertuss, slf-h  | 662                | Suicide and in            |
| 10                    | T50A22A              | Poison by mixed bact vaccines w/o a pertuss, self-ha  | 662                | Suicide and in            |
| 10                    | T50A22D              | Poison by mixed bact vaccines w/o a pertuss, self-ha  | 662                | Suicide and in            |
| 10                    | T50A22S              | Poison by mixed bact vaccines w/o a pertuss, slf-hrm  | 662                | Suicide and in            |
| 10                    | T50A92A              | Poisoning by oth bacterial vaccines, self-harm, ini   | 662                | Suicide and in            |
| 10                    | T50A92D              | Poisoning by oth bacterial vaccines, self-harm, sub   | 662                | Suicide and in            |
| 10                    | T50A92S              | Poisoning by oth bacterial vaccines, self-harm, seq   | 662                | Suicide and in            |
| 10                    | T50B12A              | Poisoning by smallpox vaccines, intentional self-ha   | 662                | Suicide and in            |
| 10                    | T50B12D              | Poisoning by smallpox vaccines, intentional self-ha   | 662                | Suicide and in            |
| 10                    | T50B12S              | Poisoning by smallpox vaccines, self-harm, sequela    | 662                | Suicide and in            |
| 10                    | T50B92A              | Poisoning by oth viral vaccines, intentional self-h   | 662                | Suicide and in            |
| 10                    | T50B92D              | Poisoning by oth viral vaccines, intentional self-h   | 662                | Suicide and in            |
| 10                    | T50B92S              | Poisoning by oth viral vaccines, self-harm, sequela   | 662                | Suicide and in            |
| 10                    | T50Z12A              | Poisoning by immunoglobulin, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T50Z12D              | Poisoning by immunoglobulin, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T50Z12S              | Poisoning by immunoglobulin, intentional self-harm,   | 662                | Suicide and in            |
| 10                    | T50Z92A              | Poisoning by oth vaccines and biolg substnc, self-h   | 662                | Suicide and in            |
| 10                    | T50Z92D              | Poisoning by oth vaccines and biolg substnc, self-h   | 662                | Suicide and in            |
| 10                    | T50Z92S              | Poison by oth vaccines and biolg substnc, self-harm,  | 662                | Suicide and in            |
| 10                    | T510X2A              | Toxic effect of ethanol, intentional self-harm, ini   | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T510X2D              | Toxic effect of ethanol, intentional self-harm, sub | 662                | Suicide and in            |
| 10                    | T510X2S              | Toxic effect of ethanol, intentional self-harm, seq | 662                | Suicide and in            |
| 10                    | T511X2A              | Toxic effect of methanol, intentional self-harm, in | 662                | Suicide and in            |
| 10                    | T511X2D              | Toxic effect of methanol, intentional self-harm, su | 662                | Suicide and in            |
| 10                    | T511X2S              | Toxic effect of methanol, intentional self-harm, se | 662                | Suicide and in            |
| 10                    | T512X2A              | Toxic effect of 2-Propanol, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T512X2D              | Toxic effect of 2-Propanol, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T512X2S              | Toxic effect of 2-Propanol, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T513X2A              | Toxic effect of fusel oil, intentional self-harm, i | 662                | Suicide and in            |
| 10                    | T513X2D              | Toxic effect of fusel oil, intentional self-harm, s | 662                | Suicide and in            |
| 10                    | T513X2S              | Toxic effect of fusel oil, intentional self-harm, s | 662                | Suicide and in            |
| 10                    | T518X2A              | Toxic effect of oth alcohols, intentional self-harm | 662                | Suicide and in            |
| 10                    | T518X2D              | Toxic effect of oth alcohols, intentional self-harm | 662                | Suicide and in            |
| 10                    | T518X2S              | Toxic effect of oth alcohols, intentional self-harm | 662                | Suicide and in            |
| 10                    | T5192XA              | Toxic effect of unsp alcohol, intentional self-harm | 662                | Suicide and in            |
| 10                    | T5192XD              | Toxic effect of unsp alcohol, intentional self-harm | 662                | Suicide and in            |
| 10                    | T5192XS              | Toxic effect of unsp alcohol, intentional self-harm | 662                | Suicide and in            |
| 10                    | T520X2A              | Toxic effect of petroleum products, self-harm, init | 662                | Suicide and in            |
| 10                    | T520X2D              | Toxic effect of petroleum products, self-harm, subs | 662                | Suicide and in            |
| 10                    | T520X2S              | Toxic effect of petroleum products, self-harm, sequ | 662                | Suicide and in            |
| 10                    | T521X2A              | Toxic effect of benzene, intentional self-harm, ini | 662                | Suicide and in            |
| 10                    | T521X2D              | Toxic effect of benzene, intentional self-harm, sub | 662                | Suicide and in            |
| 10                    | T521X2S              | Toxic effect of benzene, intentional self-harm, seq | 662                | Suicide and in            |
| 10                    | T522X2A              | Toxic effect of homologues of benzene, self-harm, i | 662                | Suicide and in            |
| 10                    | T522X2D              | Toxic effect of homologues of benzene, self-harm, s | 662                | Suicide and in            |
| 10                    | T522X2S              | Toxic effect of homologues of benzene, self-harm, s | 662                | Suicide and in            |
| 10                    | T523X2A              | Toxic effect of glycols, intentional self-harm, ini | 662                | Suicide and in            |
| 10                    | T523X2D              | Toxic effect of glycols, intentional self-harm, sub | 662                | Suicide and in            |
| 10                    | T523X2S              | Toxic effect of glycols, intentional self-harm, seq | 662                | Suicide and in            |
| 10                    | T524X2A              | Toxic effect of ketones, intentional self-harm, ini | 662                | Suicide and in            |
| 10                    | T524X2D              | Toxic effect of ketones, intentional self-harm, sub | 662                | Suicide and in            |
| 10                    | T524X2S              | Toxic effect of ketones, intentional self-harm, seq | 662                | Suicide and in            |
| 10                    | T528X2A              | Toxic effect of organic solvents, self-harm, init   | 662                | Suicide and in            |
| 10                    | T528X2D              | Toxic effect of organic solvents, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T528X2S              | Toxic effect of organic solvents, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T5292XA              | Toxic effect of unsp organic solvent, self-harm, in | 662                | Suicide and in            |
| 10                    | T5292XD              | Toxic effect of unsp organic solvent, self-harm, su | 662                | Suicide and in            |
| 10                    | T5292XS              | Toxic effect of unsp organic solvent, self-harm, se | 662                | Suicide and in            |
| 10                    | T530X2A              | Toxic effect of carbon tetrachloride, self-harm, in | 662                | Suicide and in            |
| 10                    | T530X2D              | Toxic effect of carbon tetrachloride, self-harm, su | 662                | Suicide and in            |
| 10                    | T530X2S              | Toxic effect of carbon tetrachloride, self-harm, se | 662                | Suicide and in            |
| 10                    | T531X2A              | Toxic effect of chloroform, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T531X2D              | Toxic effect of chloroform, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T531X2S              | Toxic effect of chloroform, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T532X2A              | Toxic effect of trichloroethylene, self-harm, init  | 662                | Suicide and in            |
| 10                    | T532X2D              | Toxic effect of trichloroethylene, self-harm, subs  | 662                | Suicide and in            |
| 10                    | T532X2S              | Toxic effect of trichloroethylene, self-harm, seque | 662                | Suicide and in            |
| 10                    | T533X2A              | Toxic effect of tetrachloroethylene, self-harm, ini | 662                | Suicide and in            |
| 10                    | T533X2D              | Toxic effect of tetrachloroethylene, self-harm, sub | 662                | Suicide and in            |
| 10                    | T533X2S              | Toxic effect of tetrachloroethylene, self-harm, seq | 662                | Suicide and in            |
| 10                    | T534X2A              | Toxic effect of dichloromethane, intentional self-h | 662                | Suicide and in            |
| 10                    | T534X2D              | Toxic effect of dichloromethane, intentional self-h | 662                | Suicide and in            |
| 10                    | T534X2S              | Toxic effect of dichloromethane, self-harm, sequela | 662                | Suicide and in            |
| 10                    | T535X2A              | Toxic effect of chlorofluorocarbons, self-harm, ini | 662                | Suicide and in            |
| 10                    | T535X2D              | Toxic effect of chlorofluorocarbons, self-harm, sub | 662                | Suicide and in            |
| 10                    | T535X2S              | Toxic effect of chlorofluorocarbons, self-harm, seq | 662                | Suicide and in            |
| 10                    | T536X2A              | Tox eff of halgn deriv of aliphatic hydrocrb, slf-h | 662                | Suicide and in            |
| 10                    | T536X2D              | Tox eff of halgn deriv of aliphatic hydrocrb, slf-h | 662                | Suicide and in            |
| 10                    | T536X2S              | Tox eff of halgn deriv of aliphatic hydrocrb, slf-h | 662                | Suicide and in            |
| 10                    | T537X2A              | Toxic eff of halgn deriv of aromatic hydrocrb, slf- | 662                | Suicide and in            |
| 10                    | T537X2D              | Toxic eff of halgn deriv of aromatic hydrocrb, slf- | 662                | Suicide and in            |
| 10                    | T537X2S              | Toxic eff of halgn deriv of aromatic hydrocrb, slf- | 662                | Suicide and in            |
| 10                    | T5392XA              | Tox eff of unsp halgn deriv of aromat hydrocrb,slf- | 662                | Suicide and in            |
| 10                    | T5392XD              | Tox eff of unsp halgn deriv of aromat hydrocrb,slf- | 662                | Suicide and in            |
| 10                    | T5392XS              | Tox eff of unsp halgn deriv of aromat hydrocrb,slf- | 662                | Suicide and in            |
| 10                    | T540X2A              | Toxic effect of phenol and phenol homolog, self-har | 662                | Suicide and in            |
| 10                    | T540X2D              | Toxic effect of phenol and phenol homolog, self-har | 662                | Suicide and in            |
| 10                    | T540X2S              | Toxic effect of phenol and phenol homolog, slf-hrm, | 662                | Suicide and in            |
| 10                    | T541X2A              | Toxic effect of corrosive organic compounds, self-h | 662                | Suicide and in            |
| 10                    | T541X2D              | Toxic effect of corrosive organic compounds, self-h | 662                | Suicide and in            |
| 10                    | T541X2S              | Toxic effect of corrosive organic compnd, self-harm | 662                | Suicide and in            |
| 10                    | T542X2A              | Tox eff of corros acids & acid-like substnc, slf-h  | 662                | Suicide and in            |
| 10                    | T542X2D              | Tox eff of corros acids & acid-like substnc, slf-h  | 662                | Suicide and in            |
| 10                    | T542X2S              | Tox eff of corros acids & acid-like substnc, slf-h  | 662                | Suicide and in            |
| 10                    | T543X2A              | Tox eff of corrosv alkalis & alk-like substnc, slf- | 662                | Suicide and in            |
| 10                    | T543X2D              | Tox eff of corrosv alkalis & alk-like substnc, slf- | 662                | Suicide and in            |
| 10                    | T543X2S              | Tox eff of corrosv alkalis & alk-like substnc, slf- | 662                | Suicide and in            |
| 10                    | T5492XA              | Toxic effect of unsp corrosive substance, self-harm | 662                | Suicide and in            |
| 10                    | T5492XD              | Toxic effect of unsp corrosive substance, self-harm | 662                | Suicide and in            |
| 10                    | T5492XS              | Toxic effect of unsp corrosive substance, self-harm | 662                | Suicide and in            |
| 10                    | T550X2A              | Toxic effect of soaps, intentional self-harm, init  | 662                | Suicide and in            |
| 10                    | T550X2D              | Toxic effect of soaps, intentional self-harm, subs  | 662                | Suicide and in            |
| 10                    | T550X2S              | Toxic effect of soaps, intentional self-harm, seque | 662                | Suicide and in            |
| 10                    | T551X2A              | Toxic effect of detergents, intentional self-harm,  | 662                | Suicide and in            |



**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T551X2D              | Toxic effect of detergents, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T551X2S              | Toxic effect of detergents, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T560X2A              | Toxic effect of lead and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T560X2D              | Toxic effect of lead and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T560X2S              | Toxic effect of lead and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T561X2A              | Toxic effect of mercury and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T561X2D              | Toxic effect of mercury and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T561X2S              | Toxic effect of mercury and its compnd, self-harm,  | 662                | Suicide and in            |
| 10                    | T562X2A              | Toxic effect of chromium and its compounds, self-ha | 662                | Suicide and in            |
| 10                    | T562X2D              | Toxic effect of chromium and its compounds, self-ha | 662                | Suicide and in            |
| 10                    | T562X2S              | Toxic effect of chromium and its compnd, self-harm, | 662                | Suicide and in            |
| 10                    | T563X2A              | Toxic effect of cadmium and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T563X2D              | Toxic effect of cadmium and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T563X2S              | Toxic effect of cadmium and its compnd, self-harm,  | 662                | Suicide and in            |
| 10                    | T564X2A              | Toxic effect of copper and its compounds, self-harm | 662                | Suicide and in            |
| 10                    | T564X2D              | Toxic effect of copper and its compounds, self-harm | 662                | Suicide and in            |
| 10                    | T564X2S              | Toxic effect of copper and its compounds, self-harm | 662                | Suicide and in            |
| 10                    | T565X2A              | Toxic effect of zinc and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T565X2D              | Toxic effect of zinc and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T565X2S              | Toxic effect of zinc and its compounds, self-harm,  | 662                | Suicide and in            |
| 10                    | T566X2A              | Toxic effect of tin and its compounds, self-harm, i | 662                | Suicide and in            |
| 10                    | T566X2D              | Toxic effect of tin and its compounds, self-harm, s | 662                | Suicide and in            |
| 10                    | T566X2S              | Toxic effect of tin and its compounds, self-harm, s | 662                | Suicide and in            |
| 10                    | T567X2A              | Toxic effect of beryllium and its compounds, self-h | 662                | Suicide and in            |
| 10                    | T567X2D              | Toxic effect of beryllium and its compounds, self-h | 662                | Suicide and in            |
| 10                    | T567X2S              | Toxic effect of beryllium and its compnd, self-harm | 662                | Suicide and in            |
| 10                    | T56812A              | Toxic effect of thallium, intentional self-harm, in | 662                | Suicide and in            |
| 10                    | T56812D              | Toxic effect of thallium, intentional self-harm, su | 662                | Suicide and in            |
| 10                    | T56812S              | Toxic effect of thallium, intentional self-harm, se | 662                | Suicide and in            |
| 10                    | T56892A              | Toxic effect of oth metals, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T56892D              | Toxic effect of oth metals, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T56892S              | Toxic effect of other metals, intentional self-harm | 662                | Suicide and in            |
| 10                    | T5692XA              | Toxic effect of unsp metal, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T5692XD              | Toxic effect of unsp metal, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T5692XS              | Toxic effect of unsp metal, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T570X2A              | Toxic effect of arsenic and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T570X2D              | Toxic effect of arsenic and its compounds, self-har | 662                | Suicide and in            |
| 10                    | T570X2S              | Toxic effect of arsenic and its compnd, self-harm,  | 662                | Suicide and in            |
| 10                    | T571X2A              | Toxic effect of phosphorus and its compnd, self-har | 662                | Suicide and in            |
| 10                    | T571X2D              | Toxic effect of phosphorus and its compnd, self-har | 662                | Suicide and in            |
| 10                    | T571X2S              | Toxic effect of phosphorus and its compnd, slf-hrm, | 662                | Suicide and in            |
| 10                    | T572X2A              | Toxic effect of manganese and its compounds, self-h | 662                | Suicide and in            |
| 10                    | T572X2D              | Toxic effect of manganese and its compounds, self-h | 662                | Suicide and in            |
| 10                    | T572X2S              | Toxic effect of manganese and its compnd, self-harm | 662                | Suicide and in            |
| 10                    | T573X2A              | Toxic effect of hydrogen cyanide, self-harm, init   | 662                | Suicide and in            |
| 10                    | T573X2D              | Toxic effect of hydrogen cyanide, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T573X2S              | Toxic effect of hydrogen cyanide, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T578X2A              | Toxic effect of inorganic substances, self-harm, in | 662                | Suicide and in            |
| 10                    | T578X2D              | Toxic effect of inorganic substances, self-harm, su | 662                | Suicide and in            |
| 10                    | T578X2S              | Toxic effect of inorganic substances, self-harm, se | 662                | Suicide and in            |
| 10                    | T5792XA              | Toxic effect of unsp inorganic substance, self-harm | 662                | Suicide and in            |
| 10                    | T5792XD              | Toxic effect of unsp inorganic substance, self-harm | 662                | Suicide and in            |
| 10                    | T5792XS              | Toxic effect of unsp inorganic substance, self-harm | 662                | Suicide and in            |
| 10                    | T5802XA              | Toxic eff of carb monx from mtr veh exhaust, slf-hr | 662                | Suicide and in            |
| 10                    | T5802XD              | Toxic eff of carb monx from mtr veh exhaust, slf-hr | 662                | Suicide and in            |
| 10                    | T5802XS              | Toxic eff of carb monx from mtr veh exhaust, slf-hr | 662                | Suicide and in            |
| 10                    | T5812XA              | Toxic effect of carb monx from utility gas, self-ha | 662                | Suicide and in            |
| 10                    | T5812XD              | Toxic effect of carb monx from utility gas, self-ha | 662                | Suicide and in            |
| 10                    | T5812XS              | Toxic effect of carb monx from utility gas, slf-hrm | 662                | Suicide and in            |
| 10                    | T582X2A              | Tox eff of carb monx fr incmpl combst dmst fuel,slf | 662                | Suicide and in            |
| 10                    | T582X2D              | Tox eff of carb monx fr incmpl combst dmst fuel,slf | 662                | Suicide and in            |
| 10                    | T582X2S              | Tox eff of carb monx fr incmpl combst dmst fuel,slf | 662                | Suicide and in            |
| 10                    | T588X2A              | Toxic effect of carb monx from oth source, self-har | 662                | Suicide and in            |
| 10                    | T588X2D              | Toxic effect of carb monx from oth source, self-har | 662                | Suicide and in            |
| 10                    | T588X2S              | Toxic effect of carb monx from oth source, slf-hrm, | 662                | Suicide and in            |
| 10                    | T5892XA              | Toxic effect of carb monx from unsp source, self-ha | 662                | Suicide and in            |
| 10                    | T5892XD              | Toxic effect of carb monx from unsp source, self-ha | 662                | Suicide and in            |
| 10                    | T5892XS              | Toxic effect of carb monx from unsp source, slf-hrm | 662                | Suicide and in            |
| 10                    | T590X2A              | Toxic effect of nitrogen oxides, intentional self-h | 662                | Suicide and in            |
| 10                    | T590X2D              | Toxic effect of nitrogen oxides, intentional self-h | 662                | Suicide and in            |
| 10                    | T590X2S              | Toxic effect of nitrogen oxides, self-harm, sequela | 662                | Suicide and in            |
| 10                    | T591X2A              | Toxic effect of sulfur dioxide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T591X2D              | Toxic effect of sulfur dioxide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T591X2S              | Toxic effect of sulfur dioxide, self-harm, sequela  | 662                | Suicide and in            |
| 10                    | T592X2A              | Toxic effect of formaldehyde, intentional self-harm | 662                | Suicide and in            |
| 10                    | T592X2D              | Toxic effect of formaldehyde, intentional self-harm | 662                | Suicide and in            |
| 10                    | T592X2S              | Toxic effect of formaldehyde, intentional self-harm | 662                | Suicide and in            |
| 10                    | T593X2A              | Toxic effect of lacrimogenic gas, self-harm, init   | 662                | Suicide and in            |
| 10                    | T593X2D              | Toxic effect of lacrimogenic gas, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T593X2S              | Toxic effect of lacrimogenic gas, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T594X2A              | Toxic effect of chlorine gas, intentional self-harm | 662                | Suicide and in            |
| 10                    | T594X2D              | Toxic effect of chlorine gas, intentional self-harm | 662                | Suicide and in            |
| 10                    | T594X2S              | Toxic effect of chlorine gas, intentional self-harm | 662                | Suicide and in            |
| 10                    | T595X2A              | Tox eff of fluorine gas and hydrogen fluoride, slf- | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T595X2D              | Tox eff of fluorine gas and hydrogen fluoride, slf- | 662                | Suicide and in            |
| 10                    | T595X2S              | Tox eff of fluorine gas and hydrogen fluoride, slf- | 662                | Suicide and in            |
| 10                    | T596X2A              | Toxic effect of hydrogen sulfide, self-harm, init   | 662                | Suicide and in            |
| 10                    | T596X2D              | Toxic effect of hydrogen sulfide, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T596X2S              | Toxic effect of hydrogen sulfide, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T597X2A              | Toxic effect of carbon dioxide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T597X2D              | Toxic effect of carbon dioxide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T597X2S              | Toxic effect of carbon dioxide, self-harm, sequela  | 662                | Suicide and in            |
| 10                    | T59812A              | Toxic effect of smoke, intentional self-harm, init  | 662                | Suicide and in            |
| 10                    | T59812D              | Toxic effect of smoke, intentional self-harm, subs  | 662                | Suicide and in            |
| 10                    | T59812S              | Toxic effect of smoke, intentional self-harm, seque | 662                | Suicide and in            |
| 10                    | T59892A              | Toxic effect of gases, fumes and vapors, self-harm, | 662                | Suicide and in            |
| 10                    | T59892D              | Toxic effect of gases, fumes and vapors, self-harm, | 662                | Suicide and in            |
| 10                    | T59892S              | Toxic effect of gases, fumes and vapors, self-harm, | 662                | Suicide and in            |
| 10                    | T5992XA              | Toxic effect of unsp gases, fumes and vapors, slf-h | 662                | Suicide and in            |
| 10                    | T5992XD              | Toxic effect of unsp gases, fumes and vapors, slf-h | 662                | Suicide and in            |
| 10                    | T5992XS              | Toxic effect of unsp gases, fumes and vapors, slf-h | 662                | Suicide and in            |
| 10                    | T600X2A              | Toxic eff of organophos and carbamate insect, slf-h | 662                | Suicide and in            |
| 10                    | T600X2D              | Toxic eff of organophos and carbamate insect, slf-h | 662                | Suicide and in            |
| 10                    | T600X2S              | Toxic eff of organophos and carbamate insect, slf-h | 662                | Suicide and in            |
| 10                    | T601X2A              | Toxic effect of halogenated insecticides, self-harm | 662                | Suicide and in            |
| 10                    | T601X2D              | Toxic effect of halogenated insecticides, self-harm | 662                | Suicide and in            |
| 10                    | T601X2S              | Toxic effect of halogenated insecticides, self-harm | 662                | Suicide and in            |
| 10                    | T602X2A              | Toxic effect of insecticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T602X2D              | Toxic effect of insecticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T602X2S              | Toxic effect of insecticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T603X2A              | Toxic effect of herbicides and fungicides, self-har | 662                | Suicide and in            |
| 10                    | T603X2D              | Toxic effect of herbicides and fungicides, self-har | 662                | Suicide and in            |
| 10                    | T603X2S              | Toxic effect of herbicides and fungicides, slf-hrm, | 662                | Suicide and in            |
| 10                    | T604X2A              | Toxic effect of rodenticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T604X2D              | Toxic effect of rodenticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T604X2S              | Toxic effect of rodenticides, intentional self-harm | 662                | Suicide and in            |
| 10                    | T608X2A              | Toxic effect of oth pesticides, intentional self-ha | 662                | Suicide and in            |
| 10                    | T608X2D              | Toxic effect of oth pesticides, intentional self-ha | 662                | Suicide and in            |
| 10                    | T608X2S              | Toxic effect of pesticides, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T6092XA              | Toxic effect of unsp pesticide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T6092XD              | Toxic effect of unsp pesticide, intentional self-ha | 662                | Suicide and in            |
| 10                    | T6092XS              | Toxic effect of unsp pesticide, self-harm, sequela  | 662                | Suicide and in            |
| 10                    | T6102XA              | Ciguatera fish poisoning, intentional self-harm, in | 662                | Suicide and in            |
| 10                    | T6102XD              | Ciguatera fish poisoning, intentional self-harm, su | 662                | Suicide and in            |
| 10                    | T6102XS              | Ciguatera fish poisoning, intentional self-harm, se | 662                | Suicide and in            |
| 10                    | T6112XA              | Scombroid fish poisoning, intentional self-harm, in | 662                | Suicide and in            |
| 10                    | T6112XD              | Scombroid fish poisoning, intentional self-harm, su | 662                | Suicide and in            |
| 10                    | T6112XS              | Scombroid fish poisoning, intentional self-harm, se | 662                | Suicide and in            |
| 10                    | T61772A              | Other fish poisoning, intentional self-harm, init e | 662                | Suicide and in            |
| 10                    | T61772D              | Other fish poisoning, intentional self-harm, subs e | 662                | Suicide and in            |
| 10                    | T61772S              | Other fish poisoning, intentional self-harm, sequel | 662                | Suicide and in            |
| 10                    | T61782A              | Oth shellfish poisoning, intentional self-harm, ini | 662                | Suicide and in            |
| 10                    | T61782D              | Oth shellfish poisoning, intentional self-harm, sub | 662                | Suicide and in            |
| 10                    | T61782S              | Other shellfish poisoning, intentional self-harm, s | 662                | Suicide and in            |
| 10                    | T618X2A              | Toxic effect of oth seafood, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T618X2D              | Toxic effect of oth seafood, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T618X2S              | Toxic effect of oth seafood, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T6192XA              | Toxic effect of unsp seafood, intentional self-harm | 662                | Suicide and in            |
| 10                    | T6192XD              | Toxic effect of unsp seafood, intentional self-harm | 662                | Suicide and in            |
| 10                    | T6192XS              | Toxic effect of unsp seafood, intentional self-harm | 662                | Suicide and in            |
| 10                    | T620X2A              | Toxic effect of ingested mushrooms, self-harm, init | 662                | Suicide and in            |
| 10                    | T620X2D              | Toxic effect of ingested mushrooms, self-harm, subs | 662                | Suicide and in            |
| 10                    | T620X2S              | Toxic effect of ingested mushrooms, self-harm, sequ | 662                | Suicide and in            |
| 10                    | T621X2A              | Toxic effect of ingested berries, self-harm, init   | 662                | Suicide and in            |
| 10                    | T621X2D              | Toxic effect of ingested berries, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T621X2S              | Toxic effect of ingested berries, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T622X2A              | Toxic effect of ingested (parts of) plant(s), slf-h | 662                | Suicide and in            |
| 10                    | T622X2D              | Toxic effect of ingested (parts of) plant(s), slf-h | 662                | Suicide and in            |
| 10                    | T622X2S              | Toxic effect of ingest (parts of) plant(s), slf-hrm | 662                | Suicide and in            |
| 10                    | T628X2A              | Toxic effect of noxious substnc eaten as food, slf- | 662                | Suicide and in            |
| 10                    | T628X2D              | Toxic effect of noxious substnc eaten as food, slf- | 662                | Suicide and in            |
| 10                    | T628X2S              | Toxic effect of noxious substnc eaten as food, slf- | 662                | Suicide and in            |
| 10                    | T6292XA              | Toxic eff of unsp noxious sub eaten as food, slf-hr | 662                | Suicide and in            |
| 10                    | T6292XD              | Toxic eff of unsp noxious sub eaten as food, slf-hr | 662                | Suicide and in            |
| 10                    | T6292XS              | Toxic eff of unsp noxious sub eaten as food, slf-hr | 662                | Suicide and in            |
| 10                    | T63002A              | Toxic effect of unsp snake venom, self-harm, init   | 662                | Suicide and in            |
| 10                    | T63002D              | Toxic effect of unsp snake venom, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T63002S              | Toxic effect of unsp snake venom, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T63012A              | Toxic effect of rattlesnake venom, self-harm, init  | 662                | Suicide and in            |
| 10                    | T63012D              | Toxic effect of rattlesnake venom, self-harm, subs  | 662                | Suicide and in            |
| 10                    | T63012S              | Toxic effect of rattlesnake venom, self-harm, seque | 662                | Suicide and in            |
| 10                    | T63022A              | Toxic effect of coral snake venom, self-harm, init  | 662                | Suicide and in            |
| 10                    | T63022D              | Toxic effect of coral snake venom, self-harm, subs  | 662                | Suicide and in            |
| 10                    | T63022S              | Toxic effect of coral snake venom, self-harm, seque | 662                | Suicide and in            |
| 10                    | T63032A              | Toxic effect of taipan venom, intentional self-harm | 662                | Suicide and in            |
| 10                    | T63032D              | Toxic effect of taipan venom, intentional self-harm | 662                | Suicide and in            |
| 10                    | T63032S              | Toxic effect of taipan venom, intentional self-harm | 662                | Suicide and in            |
| 10                    | T63042A              | Toxic effect of cobra venom, intentional self-harm, | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                         | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|--|---------------------------|----------------------------------|
| 10                           | T63042D                     | Toxic effect of cobra venom, intentional self-harm,  | 662                       | Suicide and in                   |
| 10                           | T63042S                     | Toxic effect of cobra venom, intentional self-harm,  | 662                       | Suicide and in                   |
| 10                           | T63062A                     | Toxic effect of venom of N & S American snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63062D                     | Toxic effect of venom of N & S American snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63062S                     | Toxic effect of venom of N & S American snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63072A                     | Toxic effect of venom of Australian snake, self-har  | 662                       | Suicide and in                   |
| 10                           | T63072D                     | Toxic effect of venom of Australian snake, self-har  | 662                       | Suicide and in                   |
| 10                           | T63072S                     | Toxic effect of venom of Australian snake, self-hrm, | 662                       | Suicide and in                   |
| 10                           | T63082A                     | Toxic eff of venom of African and Asian snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63082D                     | Toxic eff of venom of African and Asian snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63082S                     | Toxic eff of venom of African and Asian snake, slf-  | 662                       | Suicide and in                   |
| 10                           | T63092A                     | Toxic effect of venom of snake, intentional self-ha  | 662                       | Suicide and in                   |
| 10                           | T63092D                     | Toxic effect of venom of snake, intentional self-ha  | 662                       | Suicide and in                   |
| 10                           | T63092S                     | Toxic effect of venom of snake, self-harm, sequela   | 662                       | Suicide and in                   |
| 10                           | T63112A                     | Toxic effect of venom of gila monster, self-harm, i  | 662                       | Suicide and in                   |
| 10                           | T63112D                     | Toxic effect of venom of gila monster, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63112S                     | Toxic effect of venom of gila monster, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63122A                     | Toxic effect of venom of venomous lizard, self-harm  | 662                       | Suicide and in                   |
| 10                           | T63122D                     | Toxic effect of venom of venomous lizard, self-harm  | 662                       | Suicide and in                   |
| 10                           | T63122S                     | Toxic effect of venom of venomous lizard, self-harm  | 662                       | Suicide and in                   |
| 10                           | T63192A                     | Toxic effect of venom of reptiles, self-harm, init   | 662                       | Suicide and in                   |
| 10                           | T63192D                     | Toxic effect of venom of reptiles, self-harm, subs   | 662                       | Suicide and in                   |
| 10                           | T63192S                     | Toxic effect of venom of reptiles, self-harm, seque  | 662                       | Suicide and in                   |
| 10                           | T632X2A                     | Toxic effect of venom of scorpion, self-harm, init   | 662                       | Suicide and in                   |
| 10                           | T632X2D                     | Toxic effect of venom of scorpion, self-harm, subs   | 662                       | Suicide and in                   |
| 10                           | T632X2S                     | Toxic effect of venom of scorpion, self-harm, seque  | 662                       | Suicide and in                   |
| 10                           | T63302A                     | Toxic effect of unsp spider venom, self-harm, init   | 662                       | Suicide and in                   |
| 10                           | T63302D                     | Toxic effect of unsp spider venom, self-harm, subs   | 662                       | Suicide and in                   |
| 10                           | T63302S                     | Toxic effect of unsp spider venom, self-harm, seque  | 662                       | Suicide and in                   |
| 10                           | T63312A                     | Toxic effect of venom of black widow spider, self-h  | 662                       | Suicide and in                   |
| 10                           | T63312D                     | Toxic effect of venom of black widow spider, self-h  | 662                       | Suicide and in                   |
| 10                           | T63312S                     | Toxic effect of venom of black widow spider, slf-hr  | 662                       | Suicide and in                   |
| 10                           | T63322A                     | Toxic effect of venom of tarantula, self-harm, init  | 662                       | Suicide and in                   |
| 10                           | T63322D                     | Toxic effect of venom of tarantula, self-harm, subs  | 662                       | Suicide and in                   |
| 10                           | T63322S                     | Toxic effect of venom of tarantula, self-harm, sequ  | 662                       | Suicide and in                   |
| 10                           | T63332A                     | Toxic effect of venom of brown recluse spider, slf-  | 662                       | Suicide and in                   |
| 10                           | T63332D                     | Toxic effect of venom of brown recluse spider, slf-  | 662                       | Suicide and in                   |
| 10                           | T63332S                     | Toxic effect of venom of brown recluse spider, slf-  | 662                       | Suicide and in                   |
| 10                           | T63392A                     | Toxic effect of venom of spider, intentional self-h  | 662                       | Suicide and in                   |
| 10                           | T63392D                     | Toxic effect of venom of spider, intentional self-h  | 662                       | Suicide and in                   |
| 10                           | T63392S                     | Toxic effect of venom of spider, self-harm, sequela  | 662                       | Suicide and in                   |
| 10                           | T63412A                     | Toxic effect of venom of centipede/millipede, slf-h  | 662                       | Suicide and in                   |
| 10                           | T63412D                     | Toxic effect of venom of centipede/millipede, slf-h  | 662                       | Suicide and in                   |
| 10                           | T63412S                     | Toxic effect of venom of centipede/millipede, slf-h  | 662                       | Suicide and in                   |
| 10                           | T63422A                     | Toxic effect of venom of ants, intentional self-har  | 662                       | Suicide and in                   |
| 10                           | T63422D                     | Toxic effect of venom of ants, intentional self-har  | 662                       | Suicide and in                   |
| 10                           | T63422S                     | Toxic effect of venom of ants, self-harm, sequela    | 662                       | Suicide and in                   |
| 10                           | T63432A                     | Toxic effect of venom of caterpillars, self-harm, i  | 662                       | Suicide and in                   |
| 10                           | T63432D                     | Toxic effect of venom of caterpillars, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63432S                     | Toxic effect of venom of caterpillars, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63442A                     | Toxic effect of venom of bees, intentional self-har  | 662                       | Suicide and in                   |
| 10                           | T63442D                     | Toxic effect of venom of bees, intentional self-har  | 662                       | Suicide and in                   |
| 10                           | T63442S                     | Toxic effect of venom of bees, self-harm, sequela    | 662                       | Suicide and in                   |
| 10                           | T63452A                     | Toxic effect of venom of hornets, self-harm, init    | 662                       | Suicide and in                   |
| 10                           | T63452D                     | Toxic effect of venom of hornets, self-harm, subs    | 662                       | Suicide and in                   |
| 10                           | T63452S                     | Toxic effect of venom of hornets, self-harm, sequel  | 662                       | Suicide and in                   |
| 10                           | T63462A                     | Toxic effect of venom of wasps, intentional self-ha  | 662                       | Suicide and in                   |
| 10                           | T63462D                     | Toxic effect of venom of wasps, intentional self-ha  | 662                       | Suicide and in                   |
| 10                           | T63462S                     | Toxic effect of venom of wasps, self-harm, sequela   | 662                       | Suicide and in                   |
| 10                           | T63482A                     | Toxic effect of venom of arthropod, self-harm, init  | 662                       | Suicide and in                   |
| 10                           | T63482D                     | Toxic effect of venom of arthropod, self-harm, subs  | 662                       | Suicide and in                   |
| 10                           | T63482S                     | Toxic effect of venom of arthropod, self-harm, sequ  | 662                       | Suicide and in                   |
| 10                           | T63512A                     | Toxic effect of contact w stingray, self-harm, init  | 662                       | Suicide and in                   |
| 10                           | T63512D                     | Toxic effect of contact w stingray, self-harm, subs  | 662                       | Suicide and in                   |
| 10                           | T63512S                     | Toxic effect of contact w stingray, self-harm, sequ  | 662                       | Suicide and in                   |
| 10                           | T63592A                     | Toxic effect of contact w oth venomous fish, self-h  | 662                       | Suicide and in                   |
| 10                           | T63592D                     | Toxic effect of contact w oth venomous fish, self-h  | 662                       | Suicide and in                   |
| 10                           | T63592S                     | Toxic effect of contact w oth venom fish, slf-hrm,   | 662                       | Suicide and in                   |
| 10                           | T63612A                     | Toxic effect of contact w Portugese Man-o-war, slf-  | 662                       | Suicide and in                   |
| 10                           | T63612D                     | Toxic effect of contact w Portugese Man-o-war, slf-  | 662                       | Suicide and in                   |
| 10                           | T63612S                     | Toxic effect of cntct w Portugese Man-o-war, slf-hr  | 662                       | Suicide and in                   |
| 10                           | T63622A                     | Toxic effect of contact w oth jellyfish, self-harm,  | 662                       | Suicide and in                   |
| 10                           | T63622D                     | Toxic effect of contact w oth jellyfish, self-harm,  | 662                       | Suicide and in                   |
| 10                           | T63622S                     | Toxic effect of contact w oth jellyfish, self-harm,  | 662                       | Suicide and in                   |
| 10                           | T63632A                     | Toxic effect of contact w sea anemone, self-harm, i  | 662                       | Suicide and in                   |
| 10                           | T63632D                     | Toxic effect of contact w sea anemone, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63632S                     | Toxic effect of contact w sea anemone, self-harm, s  | 662                       | Suicide and in                   |
| 10                           | T63692A                     | Toxic eff of cntct w oth venom marine animals, slf-  | 662                       | Suicide and in                   |
| 10                           | T63692D                     | Toxic eff of cntct w oth venom marine animals, slf-  | 662                       | Suicide and in                   |
| 10                           | T63692S                     | Toxic eff of cntct w oth venom marine animals, slf-  | 662                       | Suicide and in                   |
| 10                           | T63712A                     | Toxic effect of contact w venom marine plant, slf-h  | 662                       | Suicide and in                   |
| 10                           | T63712D                     | Toxic effect of contact w venom marine plant, slf-h  | 662                       | Suicide and in                   |
| 10                           | T63712S                     | Toxic effect of cntct w venom marine plant, slf-hrm  | 662                       | Suicide and in                   |
| 10                           | T63792A                     | Toxic effect of contact w oth venomous plant, slf-h  | 662                       | Suicide and in                   |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T63792D              | Toxic effect of contact w oth venomous plant, slf-h | 662                | Suicide and in            |
| 10                    | T63792S              | Toxic effect of contact w oth venom plant, slf-hrm, | 662                | Suicide and in            |
| 10                    | T63812A              | Toxic effect of contact w venomous frog, self-harm, | 662                | Suicide and in            |
| 10                    | T63812D              | Toxic effect of contact w venomous frog, self-harm, | 662                | Suicide and in            |
| 10                    | T63812S              | Toxic effect of contact w venomous frog, self-harm, | 662                | Suicide and in            |
| 10                    | T63822A              | Toxic effect of contact w venomous toad, self-harm, | 662                | Suicide and in            |
| 10                    | T63822D              | Toxic effect of contact w venomous toad, self-harm, | 662                | Suicide and in            |
| 10                    | T63822S              | Toxic effect of contact w venomous toad, self-harm, | 662                | Suicide and in            |
| 10                    | T63832A              | Toxic effect of contact w oth venomous amphib, slf- | 662                | Suicide and in            |
| 10                    | T63832D              | Toxic effect of contact w oth venomous amphib, slf- | 662                | Suicide and in            |
| 10                    | T63832S              | Toxic effect of contact w oth venom amphib, slf-hrm | 662                | Suicide and in            |
| 10                    | T63892A              | Toxic effect of contact w oth venom animals, slf-hr | 662                | Suicide and in            |
| 10                    | T63892D              | Toxic effect of contact w oth venom animals, slf-hr | 662                | Suicide and in            |
| 10                    | T63892S              | Toxic effect of cntct w oth venom animals, slf-hrm, | 662                | Suicide and in            |
| 10                    | T6392XA              | Toxic effect of contact w unsp venom animal, slf-hr | 662                | Suicide and in            |
| 10                    | T6392XD              | Toxic effect of contact w unsp venom animal, slf-hr | 662                | Suicide and in            |
| 10                    | T6392XS              | Toxic effect of cntct w unsp venom animal, slf-hrm, | 662                | Suicide and in            |
| 10                    | T6402XA              | Toxic effect of aflatoxin, intentional self-harm, i | 662                | Suicide and in            |
| 10                    | T6402XD              | Toxic effect of aflatoxin, intentional self-harm, s | 662                | Suicide and in            |
| 10                    | T6402XS              | Toxic effect of aflatoxin, intentional self-harm, s | 662                | Suicide and in            |
| 10                    | T6482XA              | Toxic effect of mycotoxin food contaminants, self-h | 662                | Suicide and in            |
| 10                    | T6482XD              | Toxic effect of mycotoxin food contaminants, self-h | 662                | Suicide and in            |
| 10                    | T6482XS              | Toxic effect of mycotoxin food contamnt, self-harm, | 662                | Suicide and in            |
| 10                    | T650X2A              | Toxic effect of cyanides, intentional self-harm, in | 662                | Suicide and in            |
| 10                    | T650X2D              | Toxic effect of cyanides, intentional self-harm, su | 662                | Suicide and in            |
| 10                    | T650X2S              | Toxic effect of cyanides, intentional self-harm, se | 662                | Suicide and in            |
| 10                    | T651X2A              | Toxic effect of strychnine and its salts, self-harm | 662                | Suicide and in            |
| 10                    | T651X2D              | Toxic effect of strychnine and its salts, self-harm | 662                | Suicide and in            |
| 10                    | T651X2S              | Toxic effect of strychnine and its salts, self-harm | 662                | Suicide and in            |
| 10                    | T65212A              | Toxic effect of chewing tobacco, intentional self-h | 662                | Suicide and in            |
| 10                    | T65212D              | Toxic effect of chewing tobacco, intentional self-h | 662                | Suicide and in            |
| 10                    | T65212S              | Toxic effect of chewing tobacco, self-harm, sequela | 662                | Suicide and in            |
| 10                    | T65222A              | Toxic effect of tobacco cigarettes, self-harm, init | 662                | Suicide and in            |
| 10                    | T65222D              | Toxic effect of tobacco cigarettes, self-harm, subs | 662                | Suicide and in            |
| 10                    | T65222S              | Toxic effect of tobacco cigarettes, self-harm, sequ | 662                | Suicide and in            |
| 10                    | T65292A              | Toxic effect of tobacco and nicotine, self-harm, in | 662                | Suicide and in            |
| 10                    | T65292D              | Toxic effect of tobacco and nicotine, self-harm, su | 662                | Suicide and in            |
| 10                    | T65292S              | Toxic effect of tobacco and nicotine, self-harm, se | 662                | Suicide and in            |
| 10                    | T653X2A              | Tox eff of nitrodrv/aminodrv of benzn/homolog, slf- | 662                | Suicide and in            |
| 10                    | T653X2D              | Tox eff of nitrodrv/aminodrv of benzn/homolog, slf- | 662                | Suicide and in            |
| 10                    | T653X2S              | Tox eff of nitrodrv/aminodrv of benzn/homolog, slf- | 662                | Suicide and in            |
| 10                    | T654X2A              | Toxic effect of carbon disulfide, self-harm, init   | 662                | Suicide and in            |
| 10                    | T654X2D              | Toxic effect of carbon disulfide, self-harm, subs   | 662                | Suicide and in            |
| 10                    | T654X2S              | Toxic effect of carbon disulfide, self-harm, sequel | 662                | Suicide and in            |
| 10                    | T655X2A              | Tox eff of nitro & oth nitric acids & esters, slf-h | 662                | Suicide and in            |
| 10                    | T655X2D              | Tox eff of nitro & oth nitric acids & esters, slf-h | 662                | Suicide and in            |
| 10                    | T655X2S              | Tox eff of nitro & oth nitric acids & esters, slf-h | 662                | Suicide and in            |
| 10                    | T656X2A              | Toxic effect of paints and dyes, NEC, self-harm, in | 662                | Suicide and in            |
| 10                    | T656X2D              | Toxic effect of paints and dyes, NEC, self-harm, su | 662                | Suicide and in            |
| 10                    | T656X2S              | Toxic effect of paints and dyes, NEC, self-harm, se | 662                | Suicide and in            |
| 10                    | T65812A              | Toxic effect of latex, intentional self-harm, init  | 662                | Suicide and in            |
| 10                    | T65812D              | Toxic effect of latex, intentional self-harm, subs  | 662                | Suicide and in            |
| 10                    | T65812S              | Toxic effect of latex, intentional self-harm, seque | 662                | Suicide and in            |
| 10                    | T65822A              | Toxic eff of harmful algae and algae toxins, slf-hr | 662                | Suicide and in            |
| 10                    | T65822D              | Toxic eff of harmful algae and algae toxins, slf-hr | 662                | Suicide and in            |
| 10                    | T65822S              | Toxic eff of harmful algae and algae toxins, slf-hr | 662                | Suicide and in            |
| 10                    | T65832A              | Toxic effect of fiberglass, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T65832D              | Toxic effect of fiberglass, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T65832S              | Toxic effect of fiberglass, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T65892A              | Toxic effect of oth substances, intentional self-ha | 662                | Suicide and in            |
| 10                    | T65892D              | Toxic effect of oth substances, intentional self-ha | 662                | Suicide and in            |
| 10                    | T65892S              | Toxic effect of substances, intentional self-harm,  | 662                | Suicide and in            |
| 10                    | T6592XA              | Toxic effect of unsp substance, intentional self-ha | 662                | Suicide and in            |
| 10                    | T6592XD              | Toxic effect of unsp substance, intentional self-ha | 662                | Suicide and in            |
| 10                    | T6592XS              | Toxic effect of unsp substance, self-harm, sequela  | 662                | Suicide and in            |
| 10                    | T71112A              | Asphyxiation due to smothering under pillow, self-h | 662                | Suicide and in            |
| 10                    | T71112D              | Asphyxiation due to smothering under pillow, self-h | 662                | Suicide and in            |
| 10                    | T71112S              | Asphyx due to smothering under pillow, self-harm, s | 662                | Suicide and in            |
| 10                    | T71122A              | Asphyxiation due to plastic bag, intentional self-h | 662                | Suicide and in            |
| 10                    | T71122D              | Asphyxiation due to plastic bag, intentional self-h | 662                | Suicide and in            |
| 10                    | T71122S              | Asphyxiation due to plastic bag, self-harm, sequela | 662                | Suicide and in            |
| 10                    | T71132A              | Asphyx due to being trapped in bed linens, self-har | 662                | Suicide and in            |
| 10                    | T71132D              | Asphyx due to being trapped in bed linens, self-har | 662                | Suicide and in            |
| 10                    | T71132S              | Asphyx due to being trapped in bed linens, slf-hrm, | 662                | Suicide and in            |
| 10                    | T71152A              | Asphyxiation due to smothering in furniture, self-h | 662                | Suicide and in            |
| 10                    | T71152D              | Asphyxiation due to smothering in furniture, self-h | 662                | Suicide and in            |
| 10                    | T71152S              | Asphyx due to smothering in furniture, self-harm, s | 662                | Suicide and in            |
| 10                    | T71162A              | Asphyxiation due to hanging, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T71162D              | Asphyxiation due to hanging, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T71162S              | Asphyxiation due to hanging, intentional self-harm, | 662                | Suicide and in            |
| 10                    | T71192A              | Asphyx d/t mech thrt to breathe d/t oth cause, slf- | 662                | Suicide and in            |
| 10                    | T71192D              | Asphyx d/t mech thrt to breathe d/t oth cause, slf- | 662                | Suicide and in            |
| 10                    | T71192S              | Asphyx d/t mech thrt to breathe d/t oth cause, slf- | 662                | Suicide and in            |
| 10                    | T71222A              | Asphyx due to being trapped in a car trunk, self-ha | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                                 | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | T71222D              | Asphyx due to being trapped in a car trunk, self-ha   | 662                | Suicide and in            |
| 10                    | T71222S              | Asphyx due to being trapped in a car trunk, slf-hrm   | 662                | Suicide and in            |
| 10                    | T71232A              | Asphyx d/t being trap in a (discarded) refrig, slf-   | 662                | Suicide and in            |
| 10                    | T71232D              | Asphyx d/t being trap in a (discarded) refrig, slf-   | 662                | Suicide and in            |
| 10                    | T71232S              | Asphyx d/t being trap in a (discarded) refrig, slf-   | 662                | Suicide and in            |
| 10                    | X710XXA              | Intentional self-harm by drown while in bathtub, in   | 662                | Suicide and in            |
| 10                    | X710XXD              | Intentional self-harm by drown while in bathtub, su   | 662                | Suicide and in            |
| 10                    | X710XXS              | Intentional self-harm by drown while in bathtub, se   | 662                | Suicide and in            |
| 10                    | X711XXA              | Intentional self-harm by drown while in swimming po   | 662                | Suicide and in            |
| 10                    | X711XXD              | Intentional self-harm by drown while in swimming po   | 662                | Suicide and in            |
| 10                    | X711XXS              | Self-harm by drown while in swimming pool, sequela    | 662                | Suicide and in            |
| 10                    | X712XXA              | Self-harm by drown after jump into swimming pool, i   | 662                | Suicide and in            |
| 10                    | X712XXD              | Self-harm by drown after jump into swimming pool, s   | 662                | Suicide and in            |
| 10                    | X712XXS              | Self-harm by drown after jump into swimming pool, s   | 662                | Suicide and in            |
| 10                    | X713XXA              | Intentional self-harm by drown in natural water, in   | 662                | Suicide and in            |
| 10                    | X713XXD              | Intentional self-harm by drown in natural water, su   | 662                | Suicide and in            |
| 10                    | X713XXS              | Intentional self-harm by drown in natural water, se   | 662                | Suicide and in            |
| 10                    | X718XXA              | Oth intentional self-harm by drowning and submersio   | 662                | Suicide and in            |
| 10                    | X718XXD              | Oth intentional self-harm by drowning and submersio   | 662                | Suicide and in            |
| 10                    | X718XXS              | Oth intentional self-harm by drown, sequela           | 662                | Suicide and in            |
| 10                    | X719XXA              | Intentional self-harm by drowning and submersion, u   | 662                | Suicide and in            |
| 10                    | X719XXD              | Intentional self-harm by drowning and submersion, u   | 662                | Suicide and in            |
| 10                    | X719XXS              | Intentional self-harm by drown, unsp, sequela         | 662                | Suicide and in            |
| 10                    | X720XXA              | Intentional self-harm by handgun discharge, init en   | 662                | Suicide and in            |
| 10                    | X720XXD              | Intentional self-harm by handgun discharge, subs en   | 662                | Suicide and in            |
| 10                    | X720XXS              | Intentional self-harm by handgun discharge, sequela   | 662                | Suicide and in            |
| 10                    | X730XXA              | Intentional self-harm by shotgun discharge, init en   | 662                | Suicide and in            |
| 10                    | X730XXD              | Intentional self-harm by shotgun discharge, subs en   | 662                | Suicide and in            |
| 10                    | X730XXS              | Intentional self-harm by shotgun discharge, sequela   | 662                | Suicide and in            |
| 10                    | X731XXA              | Intentional self-harm by hunting rifle discharge, i   | 662                | Suicide and in            |
| 10                    | X731XXD              | Intentional self-harm by hunting rifle discharge, s   | 662                | Suicide and in            |
| 10                    | X731XXS              | Intentional self-harm by hunting rifle discharge, s   | 662                | Suicide and in            |
| 10                    | X732XXA              | Intentional self-harm by machine gun discharge, ini   | 662                | Suicide and in            |
| 10                    | X732XXD              | Intentional self-harm by machine gun discharge, sub   | 662                | Suicide and in            |
| 10                    | X732XXS              | Intentional self-harm by machine gun discharge, seq   | 662                | Suicide and in            |
| 10                    | X738XXA              | Intentional self-harm by oth larger firearm dischar   | 662                | Suicide and in            |
| 10                    | X738XXD              | Intentional self-harm by oth larger firearm dischar   | 662                | Suicide and in            |
| 10                    | X738XXS              | Self-harm by oth larger firearm discharge, sequela    | 662                | Suicide and in            |
| 10                    | X739XXA              | Intentional self-harm by unsp larger firearm discha   | 662                | Suicide and in            |
| 10                    | X739XXD              | Intentional self-harm by unsp larger firearm discha   | 662                | Suicide and in            |
| 10                    | X739XXS              | Self-harm by unsp larger firearm discharge, sequela   | 662                | Suicide and in            |
| 10                    | X7401XA              | Intentional self-harm by airgun, initial encounter    | 662                | Suicide and in            |
| 10                    | X7401XD              | Intentional self-harm by airgun, subsequent encount   | 662                | Suicide and in            |
| 10                    | X7401XS              | Intentional self-harm by airgun, sequela              | 662                | Suicide and in            |
| 10                    | X7402XA              | Intentional self-harm by paintball gun, initial enc   | 662                | Suicide and in            |
| 10                    | X7402XD              | Intentional self-harm by paintball gun, subsequent    | 662                | Suicide and in            |
| 10                    | X7402XS              | Intentional self-harm by paintball gun, sequela       | 662                | Suicide and in            |
| 10                    | X7409XA              | Self-harm by oth gas, air or spring-operated gun, i   | 662                | Suicide and in            |
| 10                    | X7409XD              | Self-harm by oth gas, air or spring-operated gun, s   | 662                | Suicide and in            |
| 10                    | X7409XS              | Self-harm by oth gas, air or spring-operated gun, s   | 662                | Suicide and in            |
| 10                    | X748XXA              | Intentional self-harm by oth firearm discharge, ini   | 662                | Suicide and in            |
| 10                    | X748XXD              | Intentional self-harm by oth firearm discharge, sub   | 662                | Suicide and in            |
| 10                    | X748XXS              | Intentional self-harm by other firearm discharge, s   | 662                | Suicide and in            |
| 10                    | X749XXA              | Intentional self-harm by unsp firearm discharge, in   | 662                | Suicide and in            |
| 10                    | X749XXD              | Intentional self-harm by unsp firearm discharge, su   | 662                | Suicide and in            |
| 10                    | X749XXS              | Intentional self-harm by unsp firearm discharge, se   | 662                | Suicide and in            |
| 10                    | X750XXA              | Intentional self-harm by explosive material, init e   | 662                | Suicide and in            |
| 10                    | X750XXD              | Intentional self-harm by explosive material, subs e   | 662                | Suicide and in            |
| 10                    | X750XXS              | Intentional self-harm by explosive material, sequela  | 662                | Suicide and in            |
| 10                    | X760XXA              | Intentional self-harm by smoke, fire and flames, in   | 662                | Suicide and in            |
| 10                    | X760XXD              | Intentional self-harm by smoke, fire and flames, su   | 662                | Suicide and in            |
| 10                    | X760XXS              | Intentional self-harm by smoke, fire and flames, se   | 662                | Suicide and in            |
| 10                    | X770XXA              | Intentional self-harm by steam or hot vapors, init    | 662                | Suicide and in            |
| 10                    | X770XXD              | Intentional self-harm by steam or hot vapors, subs    | 662                | Suicide and in            |
| 10                    | X770XXS              | Intentional self-harm by steam or hot vapors, sequela | 662                | Suicide and in            |
| 10                    | X771XXA              | Intentional self-harm by hot tap water, initial enc   | 662                | Suicide and in            |
| 10                    | X771XXD              | Intentional self-harm by hot tap water, subsequent    | 662                | Suicide and in            |
| 10                    | X771XXS              | Intentional self-harm by hot tap water, sequela       | 662                | Suicide and in            |
| 10                    | X772XXA              | Intentional self-harm by other hot fluids, initial    | 662                | Suicide and in            |
| 10                    | X772XXD              | Intentional self-harm by other hot fluids, subs enc   | 662                | Suicide and in            |
| 10                    | X772XXS              | Intentional self-harm by other hot fluids, sequela    | 662                | Suicide and in            |
| 10                    | X773XXA              | Intentional self-harm by hot household appliances,    | 662                | Suicide and in            |
| 10                    | X773XXD              | Intentional self-harm by hot household appliances,    | 662                | Suicide and in            |
| 10                    | X773XXS              | Intentional self-harm by hot household appliances,    | 662                | Suicide and in            |
| 10                    | X778XXA              | Intentional self-harm by other hot objects, init en   | 662                | Suicide and in            |
| 10                    | X778XXD              | Intentional self-harm by other hot objects, subs en   | 662                | Suicide and in            |
| 10                    | X778XXS              | Intentional self-harm by other hot objects, sequela   | 662                | Suicide and in            |
| 10                    | X779XXA              | Intentional self-harm by unsp hot objects, init enc   | 662                | Suicide and in            |
| 10                    | X779XXD              | Intentional self-harm by unsp hot objects, subs enc   | 662                | Suicide and in            |
| 10                    | X779XXS              | Intentional self-harm by unspecified hot objects, s   | 662                | Suicide and in            |
| 10                    | X780XXA              | Intentional self-harm by sharp glass, initial encou   | 662                | Suicide and in            |
| 10                    | X780XXD              | Intentional self-harm by sharp glass, subsequent en   | 662                | Suicide and in            |
| 10                    | X780XXS              | Intentional self-harm by sharp glass, sequela         | 662                | Suicide and in            |
| 10                    | X781XXA              | Intentional self-harm by knife, initial encounter     | 662                | Suicide and in            |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | X781XXD              | Intentional self-harm by knife, subsequent encounte | 662                | Suicide and in            |
| 10                    | X781XXS              | Intentional self-harm by knife, sequela             | 662                | Suicide and in            |
| 10                    | X782XXA              | Intentional self-harm by sword or dagger, initial e | 662                | Suicide and in            |
| 10                    | X782XXD              | Intentional self-harm by sword or dagger, subs encn | 662                | Suicide and in            |
| 10                    | X782XXS              | Intentional self-harm by sword or dagger, sequela   | 662                | Suicide and in            |
| 10                    | X788XXA              | Intentional self-harm by other sharp object, init e | 662                | Suicide and in            |
| 10                    | X788XXD              | Intentional self-harm by other sharp object, subs e | 662                | Suicide and in            |
| 10                    | X788XXS              | Intentional self-harm by other sharp object, sequel | 662                | Suicide and in            |
| 10                    | X789XXA              | Intentional self-harm by unsp sharp object, init en | 662                | Suicide and in            |
| 10                    | X789XXD              | Intentional self-harm by unsp sharp object, subs en | 662                | Suicide and in            |
| 10                    | X789XXS              | Intentional self-harm by unspecified sharp object,  | 662                | Suicide and in            |
| 10                    | X79XXXA              | Intentional self-harm by blunt object, initial enco | 662                | Suicide and in            |
| 10                    | X79XXXD              | Intentional self-harm by blunt object, subsequent e | 662                | Suicide and in            |
| 10                    | X79XXXS              | Intentional self-harm by blunt object, sequela      | 662                | Suicide and in            |
| 10                    | X80XXXA              | Intentional self-harm by jumping from a high place, | 662                | Suicide and in            |
| 10                    | X80XXXD              | Intentional self-harm by jumping from a high place, | 662                | Suicide and in            |
| 10                    | X80XXXS              | Intentional self-harm by jumping from a high place, | 662                | Suicide and in            |
| 10                    | X810XXA              | Self-harm by jumping or lying in front of mtr veh,  | 662                | Suicide and in            |
| 10                    | X810XXD              | Self-harm by jumping or lying in front of mtr veh,  | 662                | Suicide and in            |
| 10                    | X810XXS              | Self-harm by jumping or lying in front of mtr veh,  | 662                | Suicide and in            |
| 10                    | X811XXA              | Sif-hrm by jumping or lying in front of (subway) tr | 662                | Suicide and in            |
| 10                    | X811XXD              | Sif-hrm by jumping or lying in front of (subway) tr | 662                | Suicide and in            |
| 10                    | X811XXS              | Sif-hrm by jumping or lying in front of train, sequ | 662                | Suicide and in            |
| 10                    | X818XXA              | Sif-hrm by jumping or lying in front of moving obje | 662                | Suicide and in            |
| 10                    | X818XXD              | Sif-hrm by jumping or lying in front of moving obje | 662                | Suicide and in            |
| 10                    | X818XXS              | Sif-hrm by jump or lying in front of moving object, | 662                | Suicide and in            |
| 10                    | X820XXA              | Intentional collision of motor vehicle w mtr veh, i | 662                | Suicide and in            |
| 10                    | X820XXD              | Intentional collision of motor vehicle w mtr veh, s | 662                | Suicide and in            |
| 10                    | X820XXS              | Intentional collision of motor vehicle w mtr veh, s | 662                | Suicide and in            |
| 10                    | X821XXA              | Intentional collision of motor vehicle w train, ini | 662                | Suicide and in            |
| 10                    | X821XXD              | Intentional collision of motor vehicle w train, sub | 662                | Suicide and in            |
| 10                    | X821XXS              | Intentional collision of motor vehicle with train,  | 662                | Suicide and in            |
| 10                    | X822XXA              | Intentional collision of motor vehicle w tree, init | 662                | Suicide and in            |
| 10                    | X822XXD              | Intentional collision of motor vehicle w tree, subs | 662                | Suicide and in            |
| 10                    | X822XXS              | Intentional collision of motor vehicle with tree, s | 662                | Suicide and in            |
| 10                    | X828XXA              | Oth intentional self-harm by crashing of motor vehi | 662                | Suicide and in            |
| 10                    | X828XXD              | Oth intentional self-harm by crashing of motor vehi | 662                | Suicide and in            |
| 10                    | X828XXS              | Oth self-harm by crashing of motor vehicle, sequela | 662                | Suicide and in            |
| 10                    | X830XXA              | Intentional self-harm by crashing of aircraft, init | 662                | Suicide and in            |
| 10                    | X830XXD              | Intentional self-harm by crashing of aircraft, subs | 662                | Suicide and in            |
| 10                    | X830XXS              | Intentional self-harm by crashing of aircraft, sequ | 662                | Suicide and in            |
| 10                    | X831XXA              | Intentional self-harm by electrocution, initial enc | 662                | Suicide and in            |
| 10                    | X831XXD              | Intentional self-harm by electrocution, subsequent  | 662                | Suicide and in            |
| 10                    | X831XXS              | Intentional self-harm by electrocution, sequela     | 662                | Suicide and in            |
| 10                    | X832XXA              | Intentional self-harm by exposure to extremes of co | 662                | Suicide and in            |
| 10                    | X832XXD              | Intentional self-harm by exposure to extremes of co | 662                | Suicide and in            |
| 10                    | X832XXS              | Self-harm by exposure to extremes of cold, sequela  | 662                | Suicide and in            |
| 10                    | X838XXA              | Intentional self-harm by other specified means, ini | 662                | Suicide and in            |
| 10                    | X838XXD              | Intentional self-harm by other specified means, sub | 662                | Suicide and in            |
| 10                    | X838XXS              | Intentional self-harm by other specified means, seq | 662                | Suicide and in            |
| 10                    | Z915                 | Personal history of self-harm                       | 662                | Suicide and in            |
| 10                    | F061                 | Catatonic disorder due to known physiological condi | 670                | Miscellaneous             |
| 10                    | F068                 | Oth mental disorders due to known physiological con | 670                | Miscellaneous             |
| 10                    | F440                 | Dissociative amnesia                                | 670                | Miscellaneous             |
| 10                    | F441                 | Dissociative fugue                                  | 670                | Miscellaneous             |
| 10                    | F442                 | Dissociative stupor                                 | 670                | Miscellaneous             |
| 10                    | F444                 | Conversion disorder with motor symptom or deficit   | 670                | Miscellaneous             |
| 10                    | F445                 | Conversion disorder with seizures or convulsions    | 670                | Miscellaneous             |
| 10                    | F446                 | Conversion disorder with sensory symptom or deficit | 670                | Miscellaneous             |
| 10                    | F447                 | Conversion disorder with mixed symptom presentation | 670                | Miscellaneous             |
| 10                    | F4481                | Dissociative identity disorder                      | 670                | Miscellaneous             |
| 10                    | F4489                | Other dissociative and conversion disorders         | 670                | Miscellaneous             |
| 10                    | F449                 | Dissociative and conversion disorder, unspecified   | 670                | Miscellaneous             |
| 10                    | F450                 | Somatization disorder                               | 670                | Miscellaneous             |
| 10                    | F451                 | Undifferentiated somatoform disorder                | 670                | Miscellaneous             |
| 10                    | F4520                | Hypochondriacal disorder, unspecified               | 670                | Miscellaneous             |
| 10                    | F4521                | Hypochondriasis                                     | 670                | Miscellaneous             |
| 10                    | F4522                | Body dysmorphic disorder                            | 670                | Miscellaneous             |
| 10                    | F4529                | Other hypochondriacal disorders                     | 670                | Miscellaneous             |
| 10                    | F4541                | Pain disorder exclusively related to psychological  | 670                | Miscellaneous             |
| 10                    | F4542                | Pain disorder with related psychological factors    | 670                | Miscellaneous             |
| 10                    | F458                 | Other somatoform disorders                          | 670                | Miscellaneous             |
| 10                    | F459                 | Somatoform disorder, unspecified                    | 670                | Miscellaneous             |
| 10                    | F481                 | Depersonalization-derealization syndrome            | 670                | Miscellaneous             |
| 10                    | F5000                | Anorexia nervosa, unspecified                       | 670                | Miscellaneous             |
| 10                    | F5001                | Anorexia nervosa, restricting type                  | 670                | Miscellaneous             |
| 10                    | F5002                | Anorexia nervosa, binge eating/purging type         | 670                | Miscellaneous             |
| 10                    | F502                 | Bulimia nervosa                                     | 670                | Miscellaneous             |
| 10                    | F508                 | Other eating disorders                              | 670                | Miscellaneous             |
| 10                    | F5081                | Binge eating disorder                               | 670                | Miscellaneous             |
| 10                    | F5089                | Other specified eating disorder                     | 670                | Miscellaneous             |
| 10                    | F509                 | Eating disorder, unspecified                        | 670                | Miscellaneous             |
| 10                    | F5101                | Primary insomnia                                    | 670                | Miscellaneous             |
| 10                    | F5102                | Adjustment insomnia                                 | 670                | Miscellaneous             |

**A list of ICD-10 codes used to identify a primary psychiatric disorder diagnosis for exclusion**

| Diagnosis_ICD_Version | Diagnosis_Code_value | Diagnosis_Description                               | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | F5103                | Paradoxical insomnia                                | 670                | Miscellaneous             |
| 10                    | F5104                | Psychophysilogic insomnia                           | 670                | Miscellaneous             |
| 10                    | F5105                | Insomnia due to other mental disorder               | 670                | Miscellaneous             |
| 10                    | F5109                | Oth insomnia not due to a substance or known physio | 670                | Miscellaneous             |
| 10                    | F5111                | Primary hypersomnia                                 | 670                | Miscellaneous             |
| 10                    | F5112                | Insufficient sleep syndrome                         | 670                | Miscellaneous             |
| 10                    | F5113                | Hypersomnia due to other mental disorder            | 670                | Miscellaneous             |
| 10                    | F5119                | Oth hypersomnia not due to a substance or known phy | 670                | Miscellaneous             |
| 10                    | F513                 | Sleepwalking [somnambulism]                         | 670                | Miscellaneous             |
| 10                    | F514                 | Sleep terrors [night terrors]                       | 670                | Miscellaneous             |
| 10                    | F515                 | Nightmare disorder                                  | 670                | Miscellaneous             |
| 10                    | F518                 | Oth sleep disord not due to a sub or known physiol  | 670                | Miscellaneous             |
| 10                    | F519                 | Sleep disorder not due to a sub or known physiol co | 670                | Miscellaneous             |
| 10                    | F520                 | Hypoactive sexual desire disorder                   | 670                | Miscellaneous             |
| 10                    | F521                 | Sexual aversion disorder                            | 670                | Miscellaneous             |
| 10                    | F5221                | Male erectile disorder                              | 670                | Miscellaneous             |
| 10                    | F5222                | Female sexual arousal disorder                      | 670                | Miscellaneous             |
| 10                    | F5231                | Female orgasmic disorder                            | 670                | Miscellaneous             |
| 10                    | F5232                | Male orgasmic disorder                              | 670                | Miscellaneous             |
| 10                    | F524                 | Premature ejaculation                               | 670                | Miscellaneous             |
| 10                    | F525                 | Vaginismus not due to a substance or known physiol  | 670                | Miscellaneous             |
| 10                    | F526                 | Dyspareunia not due to a substance or known physiol | 670                | Miscellaneous             |
| 10                    | F528                 | Oth sexual dysfnct not due to a sub or known physio | 670                | Miscellaneous             |
| 10                    | F529                 | Unsp sexual dysfnct not due to a sub or known physi | 670                | Miscellaneous             |
| 10                    | F53                  | Puerperal psychosis                                 | 670                | Miscellaneous             |
| 10                    | F54                  | Psych & behavr factors assoc w disord or dis class  | 670                | Miscellaneous             |
| 10                    | F59                  | Unsp behavr synd assoc w physiol disturb and physc  | 670                | Miscellaneous             |
| 10                    | F640                 | Transsexualism                                      | 670                | Miscellaneous             |
| 10                    | F641                 | Dual role transvestism                              | 670                | Miscellaneous             |
| 10                    | F648                 | Other gender identity disorders                     | 670                | Miscellaneous             |
| 10                    | F649                 | Gender identity disorder, unspecified               | 670                | Miscellaneous             |
| 10                    | F650                 | Fetishism   | 670                | Miscellaneous             |
| 10                    | F651                 | Transvestic fetishism                               | 670                | Miscellaneous             |
| 10                    | F652                 | Exhibitionism                                       | 670                | Miscellaneous             |
| 10                    | F653                 | Voyeurism   | 670                | Miscellaneous             |
| 10                    | F654                 | Pedophilia  | 670                | Miscellaneous             |
| 10                    | F6550                | Sadomasochism, unspecified                          | 670                | Miscellaneous             |
| 10                    | F6551                | Sexual masochism                                    | 670                | Miscellaneous             |
| 10                    | F6552                | Sexual sadism                                       | 670                | Miscellaneous             |
| 10                    | F6581                | Frotteurism   | 670                | Miscellaneous             |
| 10                    | F6589                | Other paraphilias                                   | 670                | Miscellaneous             |
| 10                    | F659                 | Paraphilia, unspecified                             | 670                | Miscellaneous             |
| 10                    | F66                  | Other sexual disorders                              | 670                | Miscellaneous             |
| 10                    | F6810                | Factitious disorder, unspecified                    | 670                | Miscellaneous             |
| 10                    | F6811                | Factitious disorder w predom psych signs and sympto | 670                | Miscellaneous             |
| 10                    | F6812                | Factitious disorder w predom physical signs and sym | 670                | Miscellaneous             |
| 10                    | F6813                | Factitious disord w comb psych and physcl signs and | 670                | Miscellaneous             |
| 10                    | F688                 | Other specified disorders of adult personality and  | 670                | Miscellaneous             |
| 10                    | F99                  | Mental disorder, not otherwise specified            | 670                | Miscellaneous             |
| 10                    | O906                 | Postpartum mood disturbance                         | 670                | Miscellaneous             |
| 10                    | R37                  | Sexual dysfunction, unspecified                     | 670                | Miscellaneous             |
| 10                    | R4589                | Other symptoms and signs involving emotional state  | 670                | Miscellaneous             |
| 10                    | Z87890               | Personal history of sex reassignment                | 670                | Miscellaneous             |
| 10                    | Z9183                | Wandering in diseases classified elsewhere          | 670                | Miscellaneous             |

**A list of ICD-9 codes used to identify primary diagnosis of rehab for prosthesis for exclusion**

| <u>Diagnosis_ICD_Version</u> | <u>Diagnosis_Code_value</u> | <u>Diagnosis_Description</u>           | <u>AHRQ_Category_Code</u> | <u>AHRQ_Category_decription</u> |
|------------------------------|-----------------------------|--|---------------------------|---------------------------------|
| 9                            | V520                        | FITTING ARTIFICIAL ARM                 | 254                       | Rehab                           |
| 9                            | V521                        | FITTING ARTIFICIAL LEG                 | 254                       | Rehab                           |
| 9                            | V524                        | FITTING BREAST PROSTHES                | 254                       | Rehab                           |
| 9                            | V528                        | FITTING PROSTHESIS NEC                 | 254                       | Rehab                           |
| 9                            | V529                        | FITTING PROSTHESIS NOS                 | 254                       | Rehab                           |
| 9                            | V538                        | ADJUSTMENT OF WHEELCHAIR               | 254                       | Rehab                           |
| 9                            | V570                        | BREATHING EXERCISES                    | 254                       | Rehab                           |
| 9                            | V571                        | PHYSICAL THERAPY NEC                   | 254                       | Rehab                           |
| 9                            | V572                        | OCCUPAT/VOCATION THERAPY (End 1994)    | 254                       | Rehab                           |
| 9                            | V5721                       | OCCUP THER ENCOUNTER (Begin 1994)      | 254                       | Rehab                           |
| 9                            | V5722                       | VOCATIONAL THER ENCOUNTER (Begin 1994) | 254                       | Rehab                           |
| 9                            | V573                        | SPEECH THERAPY                         | 254                       | Rehab                           |
| 9                            | V574                        | ORTHOPTIC TRAINING                     | 254                       | Rehab                           |
| 9                            | V5781                       | ORTHOTIC TRAINING                      | 254                       | Rehab                           |
| 9                            | V5789                       | REHABILITATION PROC NEC                | 254                       | Rehab                           |
| 9                            | V579                        | REHABILITATION PROC NOS                | 254                       | Rehab                           |
| 9                            | V5882                       | FIT ADJUST NONVASC CATH (Begin 1995)   | 254                       | Rehab                           |



**A list of ICD-10 codes used to identify primary diagnosis of rehab for prosthesis for exclusion**

| <b>Diagnosis_ICD_Version</b> | <b>Diagnosis_Code_value</b> | <b>Diagnosis_Description</b>                        | <b>AHRQ_Category_Code</b> | <b>AHRQ_Category_description</b> |
|------------------------------|-----------------------------|---|---------------------------|----------------------------------|
| 10                           | Z44001                      | Encounter for fit/adjst of unsp right artificial ar | 254                       | Rehabilitation                   |
| 10                           | Z44002                      | Encounter for fit/adjst of unsp left artificial arm | 254                       | Rehabilitation                   |
| 10                           | Z44009                      | Encounter for fit/adjst of unsp artificial arm, uns | 254                       | Rehabilitation                   |
| 10                           | Z44011                      | Encounter for fit/adjst of complete right artificia | 254                       | Rehabilitation                   |
| 10                           | Z44012                      | Encounter for fit/adjst of complete left artificial | 254                       | Rehabilitation                   |
| 10                           | Z44019                      | Encounter for fit/adjst of complete artificial arm, | 254                       | Rehabilitation                   |
| 10                           | Z44021                      | Encounter for fit/adjst of partial artificial right | 254                       | Rehabilitation                   |
| 10                           | Z44022                      | Encounter for fit/adjst of partial artificial left  | 254                       | Rehabilitation                   |
| 10                           | Z44029                      | Encounter for fit/adjst of partial artificial arm,  | 254                       | Rehabilitation                   |
| 10                           | Z44101                      | Encounter for fit/adjst of unsp right artificial le | 254                       | Rehabilitation                   |
| 10                           | Z44102                      | Encounter for fit/adjst of unsp left artificial leg | 254                       | Rehabilitation                   |
| 10                           | Z44109                      | Encounter for fit/adjst of unsp artificial leg, uns | 254                       | Rehabilitation                   |
| 10                           | Z44111                      | Encounter for fit/adjst of complete right artificia | 254                       | Rehabilitation                   |
| 10                           | Z44112                      | Encounter for fit/adjst of complete left artificial | 254                       | Rehabilitation                   |
| 10                           | Z44119                      | Encounter for fit/adjst of complete artificial leg, | 254                       | Rehabilitation                   |
| 10                           | Z44121                      | Encounter for fit/adjst of partial artificial right | 254                       | Rehabilitation                   |
| 10                           | Z44122                      | Encounter for fit/adjst of partial artificial left  | 254                       | Rehabilitation                   |
| 10                           | Z44129                      | Encounter for fit/adjst of partial artificial leg,  | 254                       | Rehabilitation                   |
| 10                           | Z4430                       | Encntr for fit/adjst of external breast prosth, uns | 254                       | Rehabilitation                   |
| 10                           | Z4431                       | Encounter for fit/adjst of external right breast pr | 254                       | Rehabilitation                   |
| 10                           | Z4432                       | Encounter for fit/adjst of external left breast pro | 254                       | Rehabilitation                   |
| 10                           | Z448                        | Encounter for fit/adjst of external prosthetic devi | 254                       | Rehabilitation                   |
| 10                           | Z449                        | Encounter for fit/adjst of unsp external prosthetic | 254                       | Rehabilitation                   |
| 10                           | Z451                        | Encounter for adjustment and management of infusion | 254                       | Rehabilitation                   |
| 10                           | Z4531                       | Encntr for adjust and mgmt of implnt visual substit | 254                       | Rehabilitation                   |
| 10                           | Z45320                      | Encounter for adjust and mgmt of bone conduction de | 254                       | Rehabilitation                   |
| 10                           | Z45321                      | Encounter for adjustment and management of cochlear | 254                       | Rehabilitation                   |
| 10                           | Z45328                      | Encounter for adjust and management of implanted he | 254                       | Rehabilitation                   |
| 10                           | Z4541                       | Encounter for adjustment and management of CSF drai | 254                       | Rehabilitation                   |
| 10                           | Z4542                       | Encounter for adjust and mgmt of neuropacemaker (br | 254                       | Rehabilitation                   |
| 10                           | Z4549                       | Encntr for adjust and mgmt of implanted nervous sys | 254                       | Rehabilitation                   |
| 10                           | Z45811                      | Encounter for adjustment or removal of right breast | 254                       | Rehabilitation                   |
| 10                           | Z45812                      | Encounter for adjustment or removal of left breast  | 254                       | Rehabilitation                   |
| 10                           | Z45819                      | Encounter for adjustment or removal of unsp breast  | 254                       | Rehabilitation                   |
| 10                           | Z4682                       | Encounter for fit/adjst of non-vascular catheter    | 254                       | Rehabilitation                   |
| 10                           | Z4689                       | Encounter for fitting and adjustment of oth devices | 254                       | Rehabilitation                   |
| 10                           | Z469                        | Encounter for fitting and adjustment of unspecified | 254                       | Rehabilitation                   |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 0010                 | IMPLANTATION OF CHEMOTHERAPEUTIC AGENT (Begin 2002)  | 224                | CA chemoRx                |
| 9                     | 0015                 | HIGH-DOSE INFUSION INTERLEUKIN-2 (IL-2) (Begin 2003) | 224                | CA chemoRx                |
| 9                     | 0050                 | IMPLA RESYNCHR PACEMAKER W/O DEFIBRI (Begin 2002)    | 48                 | Pacemaker                 |
| 9                     | 0051                 | IMPLA RESYNCHRONIZATION DEFIBRILLATOR (Begin 2002)   | 48                 | Pacemaker                 |
| 9                     | 0052                 | IMPL/REPL TRANSVENOUS LEAD LF VENTRI (Begin 2002)    | 48                 | Pacemaker                 |
| 9                     | 0053                 | IMPL/REPL PACEMAKER; PLSE GENRATR ONLY (Begin 2002)  | 48                 | Pacemaker                 |
| 9                     | 0054                 | IMPL/REPL DEFIBRIL GENERATOR ONLY (Begin 2002)       | 48                 | Pacemaker                 |
| 9                     | 0056                 | INS/REP IMPL SENSOR LEAD (Begin 2006)                | 48                 | Pacemaker                 |
| 9                     | 0057                 | IMP/REP SUBCUE CARD DEV (Begin 2006)                 | 48                 | Pacemaker                 |
| 9                     | 0061                 | PERC ANGIO PRECEREB VESS (Begin 2004)                | 59                 | Vesl hed/nck              |
| 9                     | 0062                 | PERC ANGIO INTRACRAN VES (Begin 2004)                | 59                 | Vesl hed/nck              |
| 9                     | 0063                 | PERC INS CAROTID STENT (Begin 2004)                  | 59                 | Vesl hed/nck              |
| 9                     | 0064                 | PERC INS PRECEREB STENT (Begin 2004)                 | 59                 | Vesl hed/nck              |
| 9                     | 0065                 | PERC INS INTRACRAN STENT (Begin 2004)                | 59                 | Vesl hed/nck              |
| 9                     | 0066                 | PTCA OR CORONARY ATHER (Begin 2005)                  | 45                 | PTCA                      |
| 9                     | 0070                 | REV HIP REPL-ACETAB/FEM (Begin 2005)                 | 153                | Hip replace               |
| 9                     | 0071                 | REV HIP REPL-ACETAB COMP (Begin 2005)                | 153                | Hip replace               |
| 9                     | 0072                 | REV HIP REPL-FEM COMP (Begin 2005)                   | 153                | Hip replace               |
| 9                     | 0073                 | REV HIP REPL-LINER/HEAD (Begin 2005)                 | 153                | Hip replace               |
| 9                     | 0074                 | HIP REPL SURF-METAL/POLY (Begin 2005)                | 153                | Hip replace               |
| 9                     | 0075                 | HIP REP SURF-METAL/METAL (Begin 2005)                | 153                | Hip replace               |
| 9                     | 0076                 | HIP REP SURF-CERMC/CERMC (Begin 2005)                | 153                | Hip replace               |
| 9                     | 0077                 | HIP REPL SURF-CERMC/POLY (Begin 2006)                | 153                | Hip replace               |
| 9                     | 0080                 | REV KNEE REPLACMT-TOTAL (Begin 2005)                 | 152                | Arthropl kne              |
| 9                     | 0081                 | REV KNEE REPL-TIBIA COMP (Begin 2005)                | 152                | Arthropl kne              |
| 9                     | 0082                 | REV KNEE REPL-FEMUR COMP (Begin 2005)                | 152                | Arthropl kne              |
| 9                     | 0083                 | REV KNEE REPLACE-PATELLA (Begin 2005)                | 152                | Arthropl kne              |
| 9                     | 0084                 | REV KNEE REPL-TIBIA LIN (Begin 2005)                 | 152                | Arthropl kne              |
| 9                     | 0085                 | RESRF HIP  | 153                | Hip replace               |
| 9                     | 0086                 | RESRF HIP  | 153                | Hip replace               |
| 9                     | 0087                 | RESRF HIP  | 153                | Hip replace               |
| 9                     | 0120                 | Imp/repl brain pulse gen (Begin 2010)                | 9                  | Ot OR nerv                |
| 9                     | 0129                 | Rem brain pulse generatr (Begin 2010)                | 9                  | Ot OR nerv                |
| 9                     | 016                  | EXCISE SKULL LESION                                  | 9                  | Ot OR nerv                |
| 9                     | 0201                 | LINEAR CRANIECTOMY                                   | 9                  | Ot OR nerv                |
| 9                     | 0202                 | ELEVATE SKULL FX FRAGMNT                             | 9                  | Ot OR nerv                |
| 9                     | 0203                 | SKULL FLAP FORMATION                                 | 9                  | Ot OR nerv                |
| 9                     | 0204                 | BONE GRAFT TO SKULL                                  | 9                  | Ot OR nerv                |
| 9                     | 0205                 | SKULL PLATE INSERTION                                | 9                  | Ot OR nerv                |
| 9                     | 0206                 | CRANIAL OSTEOPLASTY NEC                              | 9                  | Ot OR nerv                |
| 9                     | 0207                 | SKULL PLATE REMOVAL                                  | 9                  | Ot OR nerv                |
| 9                     | 0211                 | SIMPLE SUTURE OF DURA                                | 9                  | Ot OR nerv                |
| 9                     | 0212                 | BRAIN MENINGE REPAIR NEC                             | 9                  | Ot OR nerv                |
| 9                     | 0213                 | MENINGE VESSEL LIGATION                              | 9                  | Ot OR nerv                |
| 9                     | 0214                 | CHOROID PLEXECTOMY                                   | 9                  | Ot OR nerv                |
| 9                     | 022                  | VENTRICULOSTOMY (end 2011)                           | 9                  | Ot OR nerv                |
| 9                     | 0221                 | Insert/replace EVD (Begin 2011)                      | 9                  | Ot OR nerv                |
| 9                     | 0222                 | Intrcran vent shunt/anas (Begin 2011)                | 9                  | Ot OR nerv                |
| 9                     | 0291                 | LYSIS CORTICAL ADHESION                              | 9                  | Ot OR nerv                |
| 9                     | 0292                 | BRAIN REPAIR   | 9                  | Ot OR nerv                |
| 9                     | 0293                 | IMPLANT BRAIN STIMULATOR                             | 9                  | Ot OR nerv                |
| 9                     | 0294                 | INSERT/REPLAC SKULL TONG                             | 9                  | Ot OR nerv                |
| 9                     | 0296                 | INSERT SPHENOIDAL ELECT (Begin 1992)                 | 9                  | Ot OR nerv                |
| 9                     | 0299                 | SKULL & BRAIN OP NEC                                 | 9                  | Ot OR nerv                |
| 9                     | 0301                 | REMOVAL FB SPINAL CANAL                              | 9                  | Ot OR nerv                |
| 9                     | 0302                 | REOPEN LAMINECTOMY SITE                              | 3                  | Laminectomy               |
| 9                     | 0309                 | SPINAL CANAL EXPLOR NEC                              | 3                  | Laminectomy               |
| 9                     | 031                  | INTRASPIN NERVE ROOT DIV                             | 9                  | Ot OR nerv                |
| 9                     | 0329                 | OTHER CHORDOTOMY                                     | 9                  | Ot OR nerv                |
| 9                     | 034                  | EXCIS SPINAL CORD LESION                             | 9                  | Ot OR nerv                |
| 9                     | 0351                 | SPINE MENINGOCELE REPAIR                             | 9                  | Ot OR nerv                |
| 9                     | 0352                 | MYELOMENINGOCELE REPAIR                              | 9                  | Ot OR nerv                |
| 9                     | 0353                 | VERTEBRAL FX REPAIR                                  | 9                  | Ot OR nerv                |
| 9                     | 0359                 | SPINAL STRUCT REPAIR NEC                             | 9                  | Ot OR nerv                |
| 9                     | 036                  | SPINAL CORD ADHESIOLYSIS                             | 9                  | Ot OR nerv                |
| 9                     | 0371                 | SUBARACH-PERITON SHUNT                               | 9                  | Ot OR nerv                |
| 9                     | 0372                 | SUBARACH-URETERAL SHUNT                              | 9                  | Ot OR nerv                |
| 9                     | 0379                 | OTH SPINAL THECAL SHUNT                              | 9                  | Ot OR nerv                |
| 9                     | 038                  | DESTR INJECT-SPINE CANAL                             | 5                  | Inject spine              |
| 9                     | 0390                 | INSERT SPINAL CANAL CATH (Begin 1987)                | 5                  | Inject spine              |
| 9                     | 0391                 | ANESTH INJECT-SPIN CANAL                             | 5                  | Inject spine              |
| 9                     | 0392                 | SPINAL CANAL INJECT NEC                              | 5                  | Inject spine              |
| 9                     | 0393                 | INSERT SPINAL STIMULATOR                             | 5                  | Inject spine              |
| 9                     | 0394                 | REMOVE SPINAL STIMULATOR                             | 5                  | Inject spine              |
| 9                     | 0397                 | REVISE SPINE THECA SHUNT                             | 9                  | Ot OR nerv                |
| 9                     | 0398                 | REMOVE SPINE THECA SHUNT                             | 9                  | Ot OR nerv                |
| 9                     | 0399                 | SPINE CANAL STRUC OP NEC                             | 9                  | Ot OR nerv                |
| 9                     | 0401                 | ACOUSTIC NEUROTOMY                                   | 9                  | Ot OR nerv                |
| 9                     | 0402                 | TRIGEMINAL NERV DIVISION                             | 9                  | Ot OR nerv                |
| 9                     | 0403                 | PERIPH NERVE DIV NEC                                 | 9                  | Ot OR nerv                |
| 9                     | 0404                 | PERIPH NERVE INCIS NEC                               | 9                  | Ot OR nerv                |
| 9                     | 0405                 | GASSERIAN GANGLIONECTOMY                             | 9                  | Ot OR nerv                |
| 9                     | 0406                 | PERIPH GANGLIONECT NEC                               | 9                  | Ot OR nerv                |
| 9                     | 0407                 | PERIPH NERV EXCISION NEC                             | 9                  | Ot OR nerv                |
| 9                     | 042                  | PERIPH NERVE DESTRUCTION                             | 9                  | Ot OR nerv                |
| 9                     | 043                  | PERIPHERAL NERVE SUTURE                              | 9                  | Ot OR nerv                |
| 9                     | 0441                 | DECOMPRESS TRIGEM ROOT                               | 9                  | Ot OR nerv                |
| 9                     | 0442                 | CRAN NERV ROOT DECOM NEC                             | 9                  | Ot OR nerv                |
| 9                     | 045                  | PERIPHERAL NERVE GRAFT                               | 9                  | Ot OR nerv                |
| 9                     | 046                  | PERIPH NERVE TRANSPOSIT                              | 9                  | Ot OR nerv                |
| 9                     | 0471                 | HYPOGLOSS-FACIAL ANASTOM                             | 9                  | Ot OR nerv                |
| 9                     | 0472                 | ACCESSORY-FACIAL ANASTOM                             | 9                  | Ot OR nerv                |
| 9                     | 0473                 | ACCESS-HYPOGLOSS ANASTOM                             | 9                  | Ot OR nerv                |
| 9                     | 0474                 | PERIPH NERV ANASTOM NEC                              | 9                  | Ot OR nerv                |
| 9                     | 0475                 | POSTOP REVIS PER NERV OP                             | 9                  | Ot OR nerv                |
| 9                     | 0476                 | LATE REPAIR PER NERV INJ                             | 9                  | Ot OR nerv                |
| 9                     | 0479                 | OTHER NEUROPLASTY                                    | 9                  | Ot OR nerv                |
| 9                     | 0491                 | NEURECTASIS  | 9                  | Ot OR nerv                |
| 9                     | 0492                 | IMPLANT PERIPH STIMULAT                              | 9                  | Ot OR nerv                |
| 9                     | 0493                 | REMOVE PERIPH STIMULATOR                             | 9                  | Ot OR nerv                |
| 9                     | 0499                 | PERIPHERAL NERVE OPS NEC                             | 9                  | Ot OR nerv                |
| 9                     | 050                  | SYMPATH NERVE DIVISION                               | 9                  | Ot OR nerv                |
| 9                     | 0521                 | SPHENOPALATIN GANGLIONEC                             | 9                  | Ot OR nerv                |
| 9                     | 0522                 | CERVICAL SYMPATHECTOMY                               | 9                  | Ot OR nerv                |
| 9                     | 0523                 | LUMBAR SYMPATHECTOMY                                 | 9                  | Ot OR nerv                |
| 9                     | 0524                 | PRESACRAL SYMPATHECTOMY                              | 9                  | Ot OR nerv                |
| 9                     | 0525                 | PERIART SYMPATHECT (Begin 1995)                      | 9                  | Ot OR nerv                |
| 9                     | 0529                 | OTHER SYMPATHECTOMY                                  | 9                  | Ot OR nerv                |
| 9                     | 0581                 | SYMPATHETIC NERVE REPAIR                             | 9                  | Ot OR nerv                |
| 9                     | 0589                 | SYMPATHETIC NERVE OP NEC                             | 9                  | Ot OR nerv                |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                 | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---------------------------------------|--------------------|---------------------------|
| 9                     | 059                  | OTHER NERVOUS SYSTEM OPS              | 9                  | Or OR nerv                |
| 9                     | 0601                 | THYROID FIELD ASPIRATION              | 12                 | Or Rx endoc               |
| 9                     | 0602                 | REOPEN THYROID FIELD WND              | 12                 | Or Rx endoc               |
| 9                     | 0609                 | INCIS THYROID FIELD NEC               | 12                 | Or Rx endoc               |
| 9                     | 062                  | UNILAT THYROID LOBECTOMY              | 10                 | Thyroidect                |
| 9                     | 0631                 | EXCISION THYROID LESION               | 10                 | Thyroidect                |
| 9                     | 0639                 | PART THYROIDECTOMY NEC                | 10                 | Thyroidect                |
| 9                     | 064                  | COMPLETE THYROIDECTOMY                | 10                 | Thyroidect                |
| 9                     | 0650                 | SUBSTERN THYROIDECT NOS               | 10                 | Thyroidect                |
| 9                     | 0651                 | PART SUBSTERN THYROIDECT              | 10                 | Thyroidect                |
| 9                     | 0652                 | TOT SUBSTERN THYROIDECT               | 10                 | Thyroidect                |
| 9                     | 066                  | LINGUAL THYROID EXCISION              | 10                 | Thyroidect                |
| 9                     | 067                  | THYROID GLOSS DUCT EXCISION           | 12                 | Or Rx endoc               |
| 9                     | 0681                 | TOTAL PARATHYROIDECTOMY               | 12                 | Or Rx endoc               |
| 9                     | 0689                 | OTHER PARATHYROIDECTOMY               | 12                 | Or Rx endoc               |
| 9                     | 0691                 | THYROID ISTHMUS DIVISION              | 12                 | Or Rx endoc               |
| 9                     | 0692                 | THYROID VESSEL LIGATION               | 12                 | Or Rx endoc               |
| 9                     | 0693                 | THYROID SUTURE                        | 12                 | Or Rx endoc               |
| 9                     | 0694                 | THYROID REIMPLANTATION                | 12                 | Or Rx endoc               |
| 9                     | 0695                 | PARATHYROID REIMPLANT                 | 12                 | Or Rx endoc               |
| 9                     | 0698                 | OTHER THYROID OPERATIONS              | 12                 | Or Rx endoc               |
| 9                     | 0699                 | OTHER PARATHYROID OPS                 | 12                 | Or Rx endoc               |
| 9                     | 0721                 | ADRENAL LESION EXCISION               | 12                 | Or Rx endoc               |
| 9                     | 0722                 | UNILATERAL ADRENALECTOMY              | 12                 | Or Rx endoc               |
| 9                     | 0729                 | PART ADRENALECTOMY NEC                | 12                 | Or Rx endoc               |
| 9                     | 073                  | BILATERAL ADRENALECTOMY               | 12                 | Or Rx endoc               |
| 9                     | 0741                 | ADRENAL INCISION                      | 12                 | Or Rx endoc               |
| 9                     | 0742                 | ADRENAL NERVE DIVISION                | 12                 | Or Rx endoc               |
| 9                     | 0743                 | ADRENAL VESSEL LIGATION               | 12                 | Or Rx endoc               |
| 9                     | 0744                 | ADRENAL REPAIR                        | 12                 | Or Rx endoc               |
| 9                     | 0745                 | ADRENAL REIMPLANTATION                | 12                 | Or Rx endoc               |
| 9                     | 0749                 | ADRENAL OPERATION NEC                 | 12                 | Or Rx endoc               |
| 9                     | 0752                 | PINEAL GLAND INCISION                 | 12                 | Or Rx endoc               |
| 9                     | 0753                 | PARTIAL PINEALECTOMY                  | 12                 | Or Rx endoc               |
| 9                     | 0754                 | TOTAL PINEALECTOMY                    | 12                 | Or Rx endoc               |
| 9                     | 0759                 | PINEAL OPERATION NEC                  | 12                 | Or Rx endoc               |
| 9                     | 0761                 | EXC PITUIT LES-TRANSFRON              | 12                 | Or Rx endoc               |
| 9                     | 0762                 | EXC PITUIT LES-TRANSPHEN              | 12                 | Or Rx endoc               |
| 9                     | 0763                 | PART EXC PITUITARY NOS                | 12                 | Or Rx endoc               |
| 9                     | 0764                 | TOT EXC PITUIT-TRANSFRON              | 12                 | Or Rx endoc               |
| 9                     | 0765                 | TOT EXC PITUIT-TRANSPHEN              | 12                 | Or Rx endoc               |
| 9                     | 0768                 | TOTAL EXC PITUITARY NEC               | 12                 | Or Rx endoc               |
| 9                     | 0769                 | TOTAL EXC PITUITARY NOS               | 12                 | Or Rx endoc               |
| 9                     | 0772                 | PITUITARY GLAND INCISION              | 12                 | Or Rx endoc               |
| 9                     | 0779                 | PITUITARY OPERATION NEC               | 12                 | Or Rx endoc               |
| 9                     | 0780                 | THYMECTOMY NOS                        | 12                 | Or Rx endoc               |
| 9                     | 0781                 | PART EXCISION OF THYMUS               | 12                 | Or Rx endoc               |
| 9                     | 0782                 | TOTAL EXCISION OF THYMUS              | 12                 | Or Rx endoc               |
| 9                     | 0783                 | THORAC PART EXISN THYMUS (Begin 2007) | 12                 | Or Rx endoc               |
| 9                     | 0784                 | THORAC TOTAL EXC THYMUS (Begin 2007)  | 12                 | Or Rx endoc               |
| 9                     | 0792                 | INCISION OF THYMUS                    | 12                 | Or Rx endoc               |
| 9                     | 0793                 | REPAIR OF THYMUS                      | 12                 | Or Rx endoc               |
| 9                     | 0794                 | THYMUS TRANSPLANTATION                | 12                 | Or Rx endoc               |
| 9                     | 0795                 | THORAC INCISION THYMUS (Begin 2007)   | 12                 | Or Rx endoc               |
| 9                     | 0798                 | OTH THORAC OP THYMUS NOS (Begin 2007) | 12                 | Or Rx endoc               |
| 9                     | 0799                 | THYMUS OPERATION NEC                  | 12                 | Or Rx endoc               |
| 9                     | 1711                 | LAP DIR ING HERN-GRAFT (Begin 2008)   | 85                 | Ing/fem hern              |
| 9                     | 1712                 | LAP INDIR ING HERN-GRAFT (Begin 2008) | 85                 | Ing/fem hern              |
| 9                     | 1713                 | LAP ING HERN-GRAFT NOS (Begin 2008)   | 85                 | Ing/fem hern              |
| 9                     | 1721                 | LAP BIL DIR ING HRN-GRFT (Begin 2008) | 85                 | Ing/fem hern              |
| 9                     | 1722                 | LAP BI INDIR ING HRN-GRF (Begin 2008) | 85                 | Ing/fem hern              |
| 9                     | 1723                 | LAP BI DR/IND ING HRN-GR (Begin 2008) | 85                 | Ing/fem hern              |
| 9                     | 1724                 | LAP BIL ING HERN-GRF NOS (Begin 2008) | 85                 | Ing/fem hern              |
| 9                     | 1731                 | LAP MUL SEG RES LG INTES (Begin 2008) | 78                 | Colorec resc              |
| 9                     | 1732                 | LAPAROSCOPIC CECECTOMY (Begin 2008)   | 78                 | Colorec resc              |
| 9                     | 1733                 | LAP RIGHT HEMICOLECTOMY (Begin 2008)  | 78                 | Colorec resc              |
| 9                     | 1734                 | LAP RES TRANSVERSE COLON (Begin 2008) | 78                 | Colorec resc              |
| 9                     | 1735                 | LAP LEFT HEMICOLECTOMY (Begin 2008)   | 78                 | Colorec resc              |
| 9                     | 1736                 | LAP SIGMOIDECTOMY (Begin 2008)        | 78                 | Colorec resc              |
| 9                     | 1739                 | LAP PT EX LRG INTES NEC (Begin 2008)  | 78                 | Colorec resc              |
| 9                     | 1751                 | Implant CCM                           | 48                 | Pacemaker                 |
| 9                     | 1752                 | Implant CCM pulse genrtr (Begin 2009) | 48                 | Pacemaker                 |
| 9                     | 1753                 | Perc ather extracran vsl (Begin 2011) | 59                 | Vesl hed/nck              |
| 9                     | 1754                 | Perc ather intracran vsl (Begin 2011) | 59                 | Vesl hed/nck              |
| 9                     | 1755                 | Translum cor atherectomy (Begin 2011) | 45                 | PTCA                      |
| 9                     | 1761                 | LITT lesn brain                       | 9                  | Or OR nerv                |
| 9                     | 1763                 | LITT lesn liver                       | 99                 | Or GI Rx prs              |
| 9                     | 1770                 | IV infusion clofarabine (Begin 2009)  | 224                | CA chemoRx                |
| 9                     | 214                  | RESECTION OF NOSE                     | 33                 | Or nose mout              |
| 9                     | 2161                 | DIATHER/CRYO TURBINECTOM              | 33                 | Or nose mout              |
| 9                     | 2162                 | TURBINATE FRACTURE                    | 33                 | Or nose mout              |
| 9                     | 2169                 | TURBINECTOMY NEC                      | 33                 | Or nose mout              |
| 9                     | 2172                 | OPEN REDUCTION NASAL FX               | 33                 | Or nose mout              |
| 9                     | 2199                 | NASAL OPERATION NEC                   | 33                 | Or nose mout              |
| 9                     | 2231                 | RADICAL MAXILLARY ANTROT              | 33                 | Or nose mout              |
| 9                     | 2239                 | EXT MAXILLARY ANTROT NEC              | 33                 | Or nose mout              |
| 9                     | 2241                 | FRONTAL SINUSOTOMY                    | 33                 | Or nose mout              |
| 9                     | 2242                 | FRONTAL SINUSECTOMY                   | 33                 | Or nose mout              |
| 9                     | 2250                 | SINUSOTOMY NOS                        | 33                 | Or nose mout              |
| 9                     | 2251                 | ETHMOIDOTOMY                          | 33                 | Or nose mout              |
| 9                     | 2252                 | SPHENOIDOTOMY                         | 33                 | Or nose mout              |
| 9                     | 2253                 | MULTIPLE SINUS INCISION               | 33                 | Or nose mout              |
| 9                     | 2260                 | SINUSECTOMY NOS                       | 33                 | Or nose mout              |
| 9                     | 2261                 | C-LUC EXC MAX SINUS LES               | 33                 | Or nose mout              |
| 9                     | 2262                 | EXC MAX SINUS LESION NEC              | 33                 | Or nose mout              |
| 9                     | 2263                 | ETHMOIDECTOMY                         | 33                 | Or nose mout              |
| 9                     | 2264                 | SPHENOIDECTOMY                        | 33                 | Or nose mout              |
| 9                     | 2271                 | NASAL SINUS FISTULA CLOS              | 33                 | Or nose mout              |
| 9                     | 2279                 | NASAL SINUS REPAIR NEC                | 33                 | Or nose mout              |
| 9                     | 229                  | OTHER NASAL SINUS OPS                 | 33                 | Or nose mout              |
| 9                     | 242                  | GINGIVOPLASTY                         | 33                 | Or nose mout              |
| 9                     | 251                  | DESTRUCTION TONGUE LES                | 33                 | Or nose mout              |
| 9                     | 252                  | PARTIAL GLOSSECTOMY                   | 33                 | Or nose mout              |
| 9                     | 253                  | COMPLETE GLOSSECTOMY                  | 33                 | Or nose mout              |
| 9                     | 254                  | RADICAL GLOSSECTOMY                   | 33                 | Or nose mout              |
| 9                     | 2559                 | REPAIR OF TONGUE NEC                  | 33                 | Or nose mout              |
| 9                     | 2594                 | OTHER GLOSOTOMY                       | 33                 | Or nose mout              |
| 9                     | 2599                 | TONGUE OPERATION NEC                  | 33                 | Or nose mout              |
| 9                     | 2621                 | SALIVARY CYST MARSUPIAL               | 33                 | Or nose mout              |
| 9                     | 2629                 | SALIV LESION EXCIS NEC                | 33                 | Or nose mout              |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                         | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 9                     | 2630                 | SIALOADENECTOMY NOS                           | 33                 | OR nose mout              |
| 9                     | 2631                 | PARTIAL SIALOADENECTOMY                       | 33                 | OR nose mout              |
| 9                     | 2632                 | COMPLETE SIALOADENECTOMY                      | 33                 | OR nose mout              |
| 9                     | 2641                 | SUTURE OF SALIV GLND LAC                      | 33                 | OR nose mout              |
| 9                     | 2642                 | SALIVARY FISTULA CLOSURE                      | 33                 | OR nose mout              |
| 9                     | 2649                 | SALIVARY REPAIR NEC                           | 33                 | OR nose mout              |
| 9                     | 2699                 | SALIVARY OPERATION NEC                        | 33                 | OR nose mout              |
| 9                     | 270                  | DRAIN FACE & MOUTH FLOOR                      | 33                 | OR nose mout              |
| 9                     | 271                  | INCISION OF PALATE                            | 33                 | OR nose mout              |
| 9                     | 2731                 | LOC EXC BONY PALATE LES                       | 33                 | OR nose mout              |
| 9                     | 2732                 | WIDE EXC BONY PALATE LES                      | 33                 | OR nose mout              |
| 9                     | 2742                 | WIDE EXCISION OF LIP LES                      | 33                 | OR nose mout              |
| 9                     | 2743                 | EXCISION OF LIP LES NEC                       | 33                 | OR nose mout              |
| 9                     | 2749                 | EXCISION OF MOUTH NEC                         | 33                 | OR nose mout              |
| 9                     | 2753                 | CLOSURE OF MOUTH FISTULA                      | 33                 | OR nose mout              |
| 9                     | 2754                 | REPAIR OF CLEFT LIP                           | 33                 | OR nose mout              |
| 9                     | 2755                 | FULL-THICK GRFT TO MOUTH                      | 33                 | OR nose mout              |
| 9                     | 2756                 | SKIN GRAFT TO MOUTH NEC                       | 33                 | OR nose mout              |
| 9                     | 2757                 | PEDICLE ATTACH TO MOUTH                       | 33                 | OR nose mout              |
| 9                     | 2759                 | MOUTH REPAIR NEC                              | 33                 | OR nose mout              |
| 9                     | 2761                 | SUTURE OF PALATE LACERAT                      | 33                 | OR nose mout              |
| 9                     | 2762                 | CLEFT PALATE CORRECTION                       | 33                 | OR nose mout              |
| 9                     | 2763                 | REVIS CLEFT PALAT REPAIR                      | 33                 | OR nose mout              |
| 9                     | 2764                 | INSERT PALATAL IMPLANT (Begin 2004)           | 33                 | OR nose mout              |
| 9                     | 2769                 | OTH PLASTIC REPAIR PALAT                      | 33                 | OR nose mout              |
| 9                     | 2771                 | INCISION OF UVULA                             | 33                 | OR nose mout              |
| 9                     | 2772                 | EXCISION OF UVULA                             | 33                 | OR nose mout              |
| 9                     | 2773                 | REPAIR OF UVULA                               | 33                 | OR nose mout              |
| 9                     | 2779                 | OTHER UVULA OPERATIONS                        | 33                 | OR nose mout              |
| 9                     | 2792                 | MOUTH INCISION NOS                            | 33                 | OR nose mout              |
| 9                     | 2799                 | ORAL CAVITY OPS NEC                           | 33                 | OR nose mout              |
| 9                     | 280                  | PERITONSILLAR I & D                           | 33                 | OR nose mout              |
| 9                     | 284                  | EXCISION OF TONSIL TAG                        | 33                 | OR nose mout              |
| 9                     | 285                  | EXCISION LINGUAL TONSIL                       | 33                 | OR nose mout              |
| 9                     | 2891                 | INCIS TO REMOV TONSIL FB                      | 33                 | OR nose mout              |
| 9                     | 2892                 | EXCIS TONSIL/ADENOID LES                      | 33                 | OR nose mout              |
| 9                     | 2899                 | TONSIL/ADENOID OPS NEC                        | 33                 | OR nose mout              |
| 9                     | 290                  | PHARYNGOTOMY                                  | 33                 | OR nose mout              |
| 9                     | 292                  | EXC BRANCHIAL CLEFT CYST                      | 33                 | OR nose mout              |
| 9                     | 293                  | DESTRUCT PHARYNGEAL LES (Begin 1980 End 1991) | 33                 | OR nose mout              |
| 9                     | 2931                 | CRICOPHARYNGEAL MYOTOMY (Begin 1991)          | 33                 | OR nose mout              |
| 9                     | 2932                 | PHARYNGEAL DIVERTICULEC (Begin 1991)          | 33                 | OR nose mout              |
| 9                     | 2933                 | PHARYNGECTOMY (Begin 1991)                    | 33                 | OR nose mout              |
| 9                     | 2939                 | EXCIS/DESTR LES PHAR NEC (Begin 1991)         | 33                 | OR nose mout              |
| 9                     | 294                  | PLASTIC OP ON PHARYNX                         | 33                 | OR nose mout              |
| 9                     | 2951                 | SUTURE OF PHARYNGEAL LAC                      | 33                 | OR nose mout              |
| 9                     | 2952                 | CLOS BRANCH CLEFT FISTUL                      | 33                 | OR nose mout              |
| 9                     | 2953                 | CLOS PHARYNX FISTULA NEC                      | 33                 | OR nose mout              |
| 9                     | 2954                 | LYSIS PHARYNGEAL ADHES                        | 33                 | OR nose mout              |
| 9                     | 2959                 | PHARYNGEAL REPAIR NEC                         | 33                 | OR nose mout              |
| 9                     | 2992                 | DIVIS GLOSSOPHARYNG NERV                      | 33                 | OR nose mout              |
| 9                     | 2999                 | PHARYNGEAL OPERATION NEC                      | 33                 | OR nose mout              |
| 9                     | 301                  | HEMILARYNGECTOMY                              | 42                 | OR respirato              |
| 9                     | 3029                 | OTHER PART LARYNGECTOMY                       | 42                 | OR respirato              |
| 9                     | 303                  | COMPLETE LARYNGECTOMY                         | 42                 | OR respirato              |
| 9                     | 304                  | RADICAL LARYNGECTOMY                          | 42                 | OR respirato              |
| 9                     | 3141                 | TRACHEOSCOPY THRU STOMA                       | 40                 | Dx respirat               |
| 9                     | 3145                 | OPN BX LARYNX OR TRACHEA (Begin 1988)         | 40                 | Dx respirat               |
| 9                     | 3148                 | OTH LARYNX DX PROCEDURE                       | 40                 | Dx respirat               |
| 9                     | 3149                 | OTH TRACHEA DX PROCEDURE                      | 40                 | Dx respirat               |
| 9                     | 3174                 | REVISION OF TRACHEOSTOMY                      | 42                 | OR respirato              |
| 9                     | 3220                 | THORAC EXC LUNG LESION (Begin 2007)           | 36                 | Pneumonectom              |
| 9                     | 3221                 | EMPHYSEMA BLEB PPLICATION                     | 36                 | Pneumonectom              |
| 9                     | 3222                 | LUNG VOL REDUCT SURG (Begin 1995)             | 36                 | Pneumonectom              |
| 9                     | 3223                 | OPEN ABLTN LUNG LES/TISS (Begin 2006)         | 36                 | Pneumonectom              |
| 9                     | 3224                 | PERC ABLTN LUNG LES/TISS (Begin 2006)         | 36                 | Pneumonectom              |
| 9                     | 3225                 | THOR ABLTN LUNG LES/TISS (Begin 2006)         | 36                 | Pneumonectom              |
| 9                     | 3226                 | ABLTN LUNG TISS NEC/NOS (Begin 2006)          | 36                 | Pneumonectom              |
| 9                     | 3227                 | Brcnc thrmplstyablt mscl (Begin 2010)         | 36                 | Pneumonectom              |
| 9                     | 3229                 | DESTROY LOC LUNG LES NEC                      | 36                 | Pneumonectom              |
| 9                     | 323                  | SEGMENTAL LUNG RESECTION (End 2007)           | 36                 | Pneumonectom              |
| 9                     | 3230                 | THORAC SEG LUNG RESECT (Begin 2007)           | 36                 | Pneumonectom              |
| 9                     | 3239                 | OTH SEG LUNG RESECT NOS (Begin 2007)          | 36                 | Pneumonectom              |
| 9                     | 324                  | LOBECTOMY OF LUNG (End 2007)                  | 36                 | Pneumonectom              |
| 9                     | 3241                 | THORAC LOBECTOMY LUNG (Begin 2007)            | 36                 | Pneumonectom              |
| 9                     | 3249                 | LOBECTOMY OF LUNG NEC (Begin 2007)            | 36                 | Pneumonectom              |
| 9                     | 325                  | COMPLETE PNEUMONECTOMY (End 2007)             | 36                 | Pneumonectom              |
| 9                     | 3250                 | THORACOSPC PNEUMONECTOMY (Begin 2007)         | 36                 | Pneumonectom              |
| 9                     | 3259                 | OTHER PNEUMONECTOMY NOS (Begin 2007)          | 36                 | Pneumonectom              |
| 9                     | 3320                 | THORACOSOPC LUNG BIOPSY (Begin 2007)          | 38                 | Dx prs lung               |
| 9                     | 3321                 | BRONCHOSCOPY THRU STOMA                       | 40                 | Dx respirat               |
| 9                     | 3325                 | OPEN BRONCHIAL BIOPSY                         | 38                 | Dx prs lung               |
| 9                     | 3328                 | OPEN LUNG BIOPSY (Begin 1987)                 | 38                 | Dx prs lung               |
| 9                     | 3329                 | BRONCH/LUNG DX PROC NEC (Begin 1987)          | 38                 | Dx prs lung               |
| 9                     | 335                  | LUNG TRANSPLANT (End 1995)                    | 176                | Ot orgn tran              |
| 9                     | 3350                 | LUNG TRANSPL NOS (Begin 1995)                 | 176                | Ot orgn tran              |
| 9                     | 3351                 | UNILAT LUNG TRANSPL (Begin 1995)              | 176                | Ot orgn tran              |
| 9                     | 3352                 | BILAT LUNG TRANSPL (Begin 1995)               | 176                | Ot orgn tran              |
| 9                     | 336                  | COMB HEART/LUNG TRANSPLA (Begin 1990)         | 176                | Ot orgn tran              |
| 9                     | 3402                 | EXPLORATORY THORACOTOMY                       | 38                 | Dx prs lung               |
| 9                     | 3420                 | THORACOSCOPIC PLEURAL BX (Begin 2007)         | 40                 | Dx respirat               |
| 9                     | 3421                 | TRANSPLERA THORACOSCOPY                       | 40                 | Dx respirat               |
| 9                     | 3422                 | MEDIASTINOSCOPY                               | 40                 | Dx respirat               |
| 9                     | 3423                 | CHEST WALL BIOPSY                             | 40                 | Dx respirat               |
| 9                     | 3424                 | PLEURAL BIOPSY                                | 40                 | Dx respirat               |
| 9                     | 3425                 | CLOS MEDIASTINAL BIOPSY                       | 40                 | Dx respirat               |
| 9                     | 3426                 | OPEN MEDIASTINAL BIOPSY                       | 40                 | Dx respirat               |
| 9                     | 3427                 | BIOPSY OF DIAPHRAGM                           | 40                 | Dx respirat               |
| 9                     | 3428                 | DX PROCEDURE THORAX NEC                       | 40                 | Dx respirat               |
| 9                     | 3429                 | DX PROC MEDIASTINUM NEC                       | 40                 | Dx respirat               |
| 9                     | 346                  | SCARIFICATION OF PLEURA                       | 42                 | OR respirato              |
| 9                     | 3500                 | CLOSED VALVOTOMY NOS                          | 43                 | Heart valve               |
| 9                     | 3501                 | CLOSED AORTIC VALVOTOMY                       | 43                 | Heart valve               |
| 9                     | 3502                 | CLOSED MITRAL VALVOTOMY                       | 43                 | Heart valve               |
| 9                     | 3503                 | CLOSED PULMON VALVOTOMY                       | 43                 | Heart valve               |
| 9                     | 3504                 | CLOSED TRICUSP VALVOTOMY                      | 43                 | Heart valve               |
| 9                     | 3505                 | Endovas repl aortic valve (Begin 2011)        | 43                 | Heart valve               |
| 9                     | 3506                 | Trnsapcl rep aortic valve (Begin 2011)        | 43                 | Heart valve               |
| 9                     | 3507                 | Endovas repl pulm valve (Begin 2011)          | 43                 | Heart valve               |
| 9                     | 3508                 | Trnsapcl repl pulm valve (Begin 2011)         | 43                 | Heart valve               |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                     | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 9                     | 3509                 | Endovas repl uns hrt vlv (Begin 2011)                     | 43                 | Heart valve               |
| 9                     | 3510                 | OPEN VALVULOPLASTY NOS                                    | 43                 | Heart valve               |
| 9                     | 3511                 | OPN AORTIC VALVULOPLASTY                                  | 43                 | Heart valve               |
| 9                     | 3512                 | OPN MITRAL VALVULOPLASTY                                  | 43                 | Heart valve               |
| 9                     | 3513                 | OPN PULMON VALVULOPLASTY                                  | 43                 | Heart valve               |
| 9                     | 3514                 | OPN TRICUS VALVULOPLASTY                                  | 43                 | Heart valve               |
| 9                     | 3520                 | REPLACE HEART VALVE NOS                                   | 43                 | Heart valve               |
| 9                     | 3521                 | REPLACE AORT VALV-TISSUE                                  | 43                 | Heart valve               |
| 9                     | 3522                 | REPLACE AORTIC VALVE NEC                                  | 43                 | Heart valve               |
| 9                     | 3523                 | REPLACE MITR VALV-TISSUE                                  | 43                 | Heart valve               |
| 9                     | 3524                 | REPLACE MITRAL VALVE NEC                                  | 43                 | Heart valve               |
| 9                     | 3525                 | REPLACE PULM VALV-TISSUE                                  | 43                 | Heart valve               |
| 9                     | 3526                 | REPLACE PULMON VALVE NEC                                  | 43                 | Heart valve               |
| 9                     | 3527                 | REPLACE TRIC VALV-TISSUE                                  | 43                 | Heart valve               |
| 9                     | 3528                 | REPLACE TRICUSP VALV NEC                                  | 43                 | Heart valve               |
| 9                     | 3531                 | PAPILLARY MUSCLE OPS                                      | 49                 | Ot OR heart               |
| 9                     | 3532                 | CHORDAE TENDINEAE OPS                                     | 49                 | Ot OR heart               |
| 9                     | 3533                 | ANNULOPLASTY  | 49                 | Ot OR heart               |
| 9                     | 3534                 | INFUNDBULECTOMY   | 49                 | Ot OR heart               |
| 9                     | 3535                 | TRABECUL CARNEAE CORD OP                                  | 49                 | Ot OR heart               |
| 9                     | 3539                 | TISS ADJ TO VALV OPS NEC                                  | 49                 | Ot OR heart               |
| 9                     | 3541                 | ENLARGE EXISTING SEP DEF                                  | 49                 | Ot OR heart               |
| 9                     | 3542                 | CREATE SEPTAL DEFECT                                      | 49                 | Ot OR heart               |
| 9                     | 3550                 | PROSTH REP HRT SEPTA NOS                                  | 49                 | Ot OR heart               |
| 9                     | 3551                 | PROS REP ATRIAL DEF-OPN                                   | 49                 | Ot OR heart               |
| 9                     | 3552                 | PROS REPAIR ATRIA DEF-CL                                  | 49                 | Ot OR heart               |
| 9                     | 3553                 | PROST REPAIR VENTRIC DEF                                  | 49                 | Ot OR heart               |
| 9                     | 3554                 | PROS REP ENDOCAR CUSHION                                  | 49                 | Ot OR heart               |
| 9                     | 3555                 | PROS REP VENTRC DEF-CLOS (Begin 2006)                     | 49                 | Ot OR heart               |
| 9                     | 3560                 | GRFT REPAIR HRT SEPT NOS                                  | 49                 | Ot OR heart               |
| 9                     | 3561                 | GRAFT REPAIR ATRIAL DEF                                   | 49                 | Ot OR heart               |
| 9                     | 3562                 | GRAFT REPAIR VENTRIC DEF                                  | 49                 | Ot OR heart               |
| 9                     | 3563                 | GRFT REP ENDOCAR CUSHION                                  | 49                 | Ot OR heart               |
| 9                     | 3570                 | HEART SEPTA REPAIR NOS                                    | 49                 | Ot OR heart               |
| 9                     | 3571                 | ATRIA SEPTA DEF REP NEC                                   | 49                 | Ot OR heart               |
| 9                     | 3572                 | VENTR SEPTA DEF REP NEC                                   | 49                 | Ot OR heart               |
| 9                     | 3573                 | ENDOCAR CUSHION REP NEC                                   | 49                 | Ot OR heart               |
| 9                     | 3581                 | TOT REPAIR TETRAL FALLOT                                  | 49                 | Ot OR heart               |
| 9                     | 3582                 | TOTAL REPAIR OF TAPVC                                     | 49                 | Ot OR heart               |
| 9                     | 3583                 | TOT REP TRUNCUS ARTERIOS                                  | 49                 | Ot OR heart               |
| 9                     | 3584                 | TOT COR TRANSPOS GRT VES (Begin 1988)                     | 49                 | Ot OR heart               |
| 9                     | 3591                 | INTERAT VEN RETRN TRANSP                                  | 49                 | Ot OR heart               |
| 9                     | 3592                 | CONDUIT RT VENT-PUL ART                                   | 49                 | Ot OR heart               |
| 9                     | 3593                 | CONDUIT LEFT VENTR-AORTA                                  | 49                 | Ot OR heart               |
| 9                     | 3594                 | CONDUIT ARTIUM-PULM ART                                   | 49                 | Ot OR heart               |
| 9                     | 3595                 | HEART REPAIR REVISION                                     | 49                 | Ot OR heart               |
| 9                     | 3596                 | PERC HEART VALVULOPLASTY (Begin 1986)                     | 43                 | Heart valve               |
| 9                     | 3597                 | Perc mtrl vlv repr w imp (Begin 2010)                     | 43                 | Heart valve               |
| 9                     | 3598                 | OTHER HEART SEPTA OPS                                     | 49                 | Ot OR heart               |
| 9                     | 3599                 | OTHER HEART VALVE OPS                                     | 43                 | Heart valve               |
| 9                     | 3600                 | REM OBSTR NOS (Begin 1986 End 1991)                       | 49                 | Ot OR heart               |
| 9                     | 3601                 | PTCA-1 VESSEL W/O AGENT (Begin 1986 End 2005)             | 45                 | PTCA                      |
| 9                     | 3602                 | PTCA-1 VESSEL WITH AGNT (Begin 1986 End 2005)             | 45                 | PTCA                      |
| 9                     | 3603                 | OPEN CORONRY ANGIOPLASTY (Begin 1986)                     | 49                 | Ot OR heart               |
| 9                     | 3605                 | PTCA-MULTIPLE VESSEL (Begin 1986 End 2005)                | 45                 | PTCA                      |
| 9                     | 3609                 | (OTH)REM COR ART OBST(NEC) (Begin 1986)                   | 49                 | Ot OR heart               |
| 9                     | 3610                 | AORTOCORONARY BYPASS NOS                                  | 44                 | CABG                      |
| 9                     | 3611                 | AORTOCOR BYPAS-1 COR ART                                  | 44                 | CABG                      |
| 9                     | 3612                 | AORTOCOR BYPAS-2 COR ART                                  | 44                 | CABG                      |
| 9                     | 3613                 | AORTOCOR BYPAS-3 COR ART                                  | 44                 | CABG                      |
| 9                     | 3614                 | AORTCOR BYPAS-4+ COR ART                                  | 44                 | CABG                      |
| 9                     | 3615                 | 1 INT MAM-COR ART BYPASS                                  | 44                 | CABG                      |
| 9                     | 3616                 | 2 INT MAM-COR ART BYPASS                                  | 44                 | CABG                      |
| 9                     | 3617                 | ABD-CORON ART BYPASS (Begin 1996)                         | 44                 | CABG                      |
| 9                     | 3619                 | HRT REVAS BYPS ANAS NEC                                   | 44                 | CABG                      |
| 9                     | 362                  | ARTERIAL IMPLANT REVASC                                   | 44                 | CABG                      |
| 9                     | 363                  | HEART REVASCULARIZAT NEC (End 1998)                       | 44                 | CABG                      |
| 9                     | 3631                 | OPEN CHEST TRANSMYO REVASC (Begin 1998)                   | 44                 | CABG                      |
| 9                     | 3632                 | OTH TRANSMYO REVASC (Begin 1998)                          | 44                 | CABG                      |
| 9                     | 3633                 | ENDO TRANSMYO REVASCULAR (Begin 2006)                     | 44                 | CABG                      |
| 9                     | 3634                 | PERC TRANSMYO REVASCULAR (Begin 2006)                     | 44                 | CABG                      |
| 9                     | 3639                 | OTHER HEART REVASC (Begin 1998)                           | 44                 | CABG                      |
| 9                     | 3691                 | CORON VESS ANEURYSM REP                                   | 49                 | Ot OR heart               |
| 9                     | 3699                 | HEART VESSEL OP NEC                                       | 49                 | Ot OR heart               |
| 9                     | 3710                 | INCISION OF HEART NOS                                     | 49                 | Ot OR heart               |
| 9                     | 3711                 | CARDIOTOMY  | 49                 | Ot OR heart               |
| 9                     | 3712                 | PERICARDIOTOMY  | 49                 | Ot OR heart               |
| 9                     | 3720                 | NONINVAS ELECT STIMULATN (Begin 2006)                     | 62                 | Ot Dx CV prs              |
| 9                     | 3721                 | RT HEART CARDIAC CATH                                     | 47                 | Cardiac cath              |
| 9                     | 3722                 | LEFT HEART CARDIAC CATH                                   | 47                 | Cardiac cath              |
| 9                     | 3723                 | RT/LEFT HEART CARD CATH                                   | 47                 | Cardiac cath              |
| 9                     | 3724                 | PERICARDIAL BIOPSY  | 62                 | Ot Dx CV prs              |
| 9                     | 3725                 | CARDIAC BIOPSY  | 62                 | Ot Dx CV prs              |
| 9                     | 3726                 | CARDIAC ELECTROPHY STIM (Begin 1988)                      | 62                 | Ot Dx CV prs              |
| 9                     | 3727                 | CARDIAC MAPPING (Begin 1988)                              | 62                 | Ot Dx CV prs              |
| 9                     | 3728                 | INTRACARDIAC ECHOCARDIOGRAPHY (Begin 2001)                | 62                 | Ot Dx CV prs              |
| 9                     | 3729                 | HRT/PERICAR DX PROC NEC                                   | 62                 | Ot Dx CV prs              |
| 9                     | 3731                 | PERICARDIECTOMY   | 49                 | Ot OR heart               |
| 9                     | 3732                 | HEART ANEURYSM EXCISION                                   | 49                 | Ot OR heart               |
| 9                     | 3733                 | EXCI/DEST) OTH HRT LESION (Begin 1988)                    | 49                 | Ot OR heart               |
| 9                     | 3734                 | CATH ABLATION LES HEART (Begin 1988)                      | 49                 | Ot OR heart               |
| 9                     | 3735                 | PARTIAL VENTRICULECTOMY (Begin 1997)                      | 49                 | Ot OR heart               |
| 9                     | 3736                 | EXC LEFT ATRIAL APPENDAG (Begin 2008)                     | 49                 | Ot OR heart               |
| 9                     | 3737                 | Exc/dest hrt les thrspc (Begin 2010)                      | 49                 | Ot OR heart               |
| 9                     | 374                  | HEART & PERICARD REPAIR                                   | 49                 | Ot OR heart               |
| 9                     | 3741                 | IMPL CARDIAC SUPPORT DEV (Begin 2005)                     | 49                 | Ot OR heart               |
| 9                     | 3749                 | HEART/PERICARD REPR NEC (Begin 2005)                      | 49                 | Ot OR heart               |
| 9                     | 375                  | HEART TRANSPLANTATION (End 2003)                          | 176                | Ot orgn tran              |
| 9                     | 3751                 | HEART TRANSPLANTATION (Begin 2003)                        | 176                | Ot orgn tran              |
| 9                     | 3752                 | IMPLANTATION OF TOTAL REPLACEMENT HEART SYST (Begin 2003) | 49                 | Ot OR heart               |
| 9                     | 3753                 | REPLACEMENT OR REPAIR OF THORACIC UNIT OF TO (Begin 2003) | 49                 | Ot OR heart               |
| 9                     | 3754                 | REPLACEMENT OR REPAIR OF OTHER IMPLANTABLE C (Begin 2003) | 49                 | Ot OR heart               |
| 9                     | 3755                 | REM INT BIVENT HRT SYS (Begin 2008)                       | 49                 | Ot OR heart               |
| 9                     | 3760                 | IMP BIVN EXT HRT AST SYS (Begin 2008)                     | 49                 | Ot OR heart               |
| 9                     | 3761                 | PULSATION BALLOON IMPLAN                                  | 49                 | Ot OR heart               |
| 9                     | 3762                 | IMPLANT HRT ASST SYS NEC                                  | 49                 | Ot OR heart               |
| 9                     | 3763                 | REPLACE HRT ASSIST SYST                                   | 49                 | Ot OR heart               |
| 9                     | 3764                 | REMOVE HEART ASSIST SYS                                   | 49                 | Ot OR heart               |
| 9                     | 3765                 | IMPL EXTERN HEART ASSIST (Begin 1995)                     | 49                 | Ot OR heart               |
| 9                     | 3766                 | IMPL INTERN HEART ASSIST (Begin 1995)                     | 49                 | Ot OR heart               |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 3767                 | IMPLANT CARDIOMYOSTIM SYS (Begin 1998)               | 49                 | Ot OR heart               |
| 9                     | 3768                 | PERCUTAN HRT ASSIST SYST (Begin 2004)                | 49                 | Ot OR heart               |
| 9                     | 3770                 | INT INSERT PACEMAK LEAD (Begin 1987)                 | 48                 | Pacemaker                 |
| 9                     | 3771                 | INT INSERT LEAD IN VENT (Begin 1987)                 | 48                 | Pacemaker                 |
| 9                     | 3772                 | INT INSER LEAD ATRI-VENT (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3773                 | INT INSER LEAD IN ATRIUM (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3774                 | INT OR REPL LEAD EPICAR (Begin 1987)                 | 48                 | Pacemaker                 |
| 9                     | 3775                 | REVISION OF LEAD (Begin 1987)                        | 48                 | Pacemaker                 |
| 9                     | 3776                 | REPL TV ATRI-VENT LEAD (Begin 1987)                  | 48                 | Pacemaker                 |
| 9                     | 3777                 | REMOVAL OF LEAD W/O REPL (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3778                 | INSER TEMP PACEMAKER SYS (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3779                 | REVIS OR RELOCATE POCKET (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3780                 | INT OR REPL PERM PACEMKR (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3781                 | INT INSERT 1-CHAM; NON (Begin 1987)                  | 48                 | Pacemaker                 |
| 9                     | 3782                 | INT INSERT 1-CHAM; RATE (Begin 1987)                 | 48                 | Pacemaker                 |
| 9                     | 3783                 | INT INSERT DUAL-CHAM DEV (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3785                 | REPL PACEM W 1-CHAM; NON (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3786                 | REPL PACEM 1-CHAM; RATE (Begin 1987)                 | 48                 | Pacemaker                 |
| 9                     | 3787                 | REPL PACEM W DUAL-CHAM (Begin 1987)                  | 48                 | Pacemaker                 |
| 9                     | 3789                 | REVISE OR REMOVE PACEMAK (Begin 1987)                | 48                 | Pacemaker                 |
| 9                     | 3790                 | INS LEFT ATR APPEND DEV (Begin 2004)                 | 49                 | Ot OR heart               |
| 9                     | 3791                 | OPN CHEST CARDIAC MASSAG                             | 49                 | Ot OR heart               |
| 9                     | 3794                 | IMPLT/REPL CARDDEFIB TOT (Begin 1986)                | 48                 | Pacemaker                 |
| 9                     | 3795                 | IMPLT CARDIODEFIB LEADS (Begin 1986)                 | 48                 | Pacemaker                 |
| 9                     | 3796                 | IMPLT CARDIODEFIB GENATR (Begin 1986)                | 48                 | Pacemaker                 |
| 9                     | 3797                 | REPL CARDIODEFIB LEADS (Begin 1986)                  | 48                 | Pacemaker                 |
| 9                     | 3798                 | REPL CARDIODEFIB GENRATR (Begin 1986)                | 48                 | Pacemaker                 |
| 9                     | 3799                 | OTHER HEART/PERICARD OPS                             | 49                 | Ot OR heart               |
| 9                     | 3801                 | INTRACRAN VESSEL INCIS                               | 59                 | Vesl hed/nck              |
| 9                     | 3802                 | HEAD/NECK VES INCIS NEC                              | 59                 | Vesl hed/nck              |
| 9                     | 3811                 | ENDARTER INTRACRANIAL                                | 51                 | Endarterecto              |
| 9                     | 3812                 | HEAD & NECK ENDARTER NEC                             | 51                 | Endarterecto              |
| 9                     | 3818                 | ENDARTERECTOMY LEG VESL                              | 60                 | Vessel leg                |
| 9                     | 3821                 | BLOOD VESSEL BIOPSY                                  | 62                 | Ot Dx CV prs              |
| 9                     | 3822                 | PERCUTANEOUS ANGIOSCOPY (Begin 1986)                 | 62                 | Ot Dx CV prs              |
| 9                     | 3826                 | Insrt prsr w/o lead (Begin 2011)                     | 62                 | Ot Dx CV prs              |
| 9                     | 3829                 | BLOOD VESSEL DX PROC NEC                             | 62                 | Ot Dx CV prs              |
| 9                     | 3831                 | INTRACRAN VES RESEC-ANAS                             | 59                 | Vesl hed/nck              |
| 9                     | 3832                 | HEAD/NECK VES RESEC-ANAS                             | 59                 | Vesl hed/nck              |
| 9                     | 3834                 | AORTA RESECTION & ANAST                              | 52                 | Aort resect               |
| 9                     | 3841                 | INTRACRAN VES RESEC-REPL                             | 59                 | Vesl hed/nck              |
| 9                     | 3842                 | HEAD/NECK VES RESEC-REPL                             | 59                 | Vesl hed/nck              |
| 9                     | 3844                 | RESECT ABDM AORTA W REPL (Begin 1986)                | 52                 | Aort resect               |
| 9                     | 3851                 | INTRCRAN VAR V LIG-STRIP                             | 59                 | Vesl hed/nck              |
| 9                     | 3852                 | HEAD/NECK VAR V LIG-STR                              | 59                 | Vesl hed/nck              |
| 9                     | 3859                 | LEG VARICOS V LIGA-STRIP                             | 53                 | Varic vein                |
| 9                     | 3861                 | INTRACRAN VESSEL EXCIS                               | 59                 | Vesl hed/nck              |
| 9                     | 3862                 | HEAD/NECK VESSEL EXCIS                               | 59                 | Vesl hed/nck              |
| 9                     | 3864                 | EXCISION OF AORTA                                    | 52                 | Aort resect               |
| 9                     | 3881                 | OCCCLUS INTRACRAN VES NEC                            | 59                 | Vesl hed/nck              |
| 9                     | 3882                 | OCCCLUS HEAD/NECK VES NEC                            | 59                 | Vesl hed/nck              |
| 9                     | 390                  | SYSTEMIC-PULM ART SHUNT                              | 56                 | Ot vas byp                |
| 9                     | 391                  | INTRA-ABD VENOUS SHUNT                               | 56                 | Ot vas byp                |
| 9                     | 3921                 | CAVAL-PULMON ART ANASTOM                             | 56                 | Ot vas byp                |
| 9                     | 3922                 | AORTA-SUBCLV-CAROT BYPAS                             | 56                 | Ot vas byp                |
| 9                     | 3923                 | INTRATHORACIC SHUNT NEC                              | 56                 | Ot vas byp                |
| 9                     | 3924                 | AORTA-RENAL BYPASS                                   | 56                 | Ot vas byp                |
| 9                     | 3925                 | AORTA-ILIAC-FEMOR BYPASS                             | 55                 | Peri vas byp              |
| 9                     | 3926                 | INTRA-ABDOMIN SHUNT NEC                              | 56                 | Ot vas byp                |
| 9                     | 3928                 | EXTRACRAN-INTRACR BYPASS (Begin 1991)                | 56                 | Ot vas byp                |
| 9                     | 3929                 | VASC SHUNT & BYPASS NEC                              | 55                 | Peri vas byp              |
| 9                     | 3971                 | ENDOVASCULAR IMPLANT IN ABDM AORTA (Begin 2000)      | 52                 | Aort resect               |
| 9                     | 3972                 | ENDOVAS REPAIR/OCLL HEAD & NECK VESSELS (Begin 2002) | 59                 | Vesl hed/nck              |
| 9                     | 3973                 | ENDO IMP GRFT THOR AORTA (Begin 2005)                | 52                 | Aort resect               |
| 9                     | 3974                 | ENDO REM OBS HD/NECK VES (Begin 2006)                | 59                 | Vesl hed/nck              |
| 9                     | 3975                 | Endo emb hd/nk                                       | 59                 | Vesl hed/nck              |
| 9                     | 3976                 | Endo em hd/nk  | 59                 | Vesl hed/nck              |
| 9                     | 3978                 | Endovas impln grft aorta (Begin 2011)                | 52                 | Aort resect               |
| 9                     | 3981                 | Imp crtd sinus stmtott (Begin 2010)                  | 59                 | Vesl hed/nck              |
| 9                     | 3982                 | Imp/rep crtd sinus lead (Begin 2010)                 | 59                 | Vesl hed/nck              |
| 9                     | 3983                 | Imp/rep crtd sinus gntr (Begin 2010)                 | 59                 | Vesl hed/nck              |
| 9                     | 3984                 | Rev crtd sinus stm leads (Begin 2010)                | 59                 | Vesl hed/nck              |
| 9                     | 3985                 | Rev crtd sinus pulse gen (Begin 2010)                | 59                 | Vesl hed/nck              |
| 9                     | 3986                 | Rem crtd sinus stm totl (Begin 2010)                 | 59                 | Vesl hed/nck              |
| 9                     | 3987                 | Rem crtd sinus stm lead (Begin 2010)                 | 59                 | Vesl hed/nck              |
| 9                     | 3988                 | Rem crtd sinus pulse gen (Begin 2010)                | 59                 | Vesl hed/nck              |
| 9                     | 3989                 | Oth cartd body/sinus op (Begin 2010)                 | 59                 | Vesl hed/nck              |
| 9                     | 400                  | INCIS LYMPHATIC STRUCTUR                             | 67                 | Ot Rx hemic               |
| 9                     | 4011                 | LYMPHATIC STRUCT BIOPSY                              | 67                 | Ot Rx hemic               |
| 9                     | 4019                 | LYMPHATIC DIAG PROC NEC                              | 67                 | Ot Rx hemic               |
| 9                     | 4021                 | EXCIS DEEP CERVICAL NODE                             | 67                 | Ot Rx hemic               |
| 9                     | 4022                 | EXCISE INT MAMMARY NODE                              | 67                 | Ot Rx hemic               |
| 9                     | 4023                 | EXCISE AXILLARY NODE                                 | 67                 | Ot Rx hemic               |
| 9                     | 4024                 | EXCISE INGUINAL NODE                                 | 67                 | Ot Rx hemic               |
| 9                     | 4029                 | SIMP EXC LYMPH STRUC NEC                             | 67                 | Ot Rx hemic               |
| 9                     | 403                  | REGIONAL LYMPH NODE EXC                              | 67                 | Ot Rx hemic               |
| 9                     | 4040                 | RAD NECK DISSECTION NOS                              | 67                 | Ot Rx hemic               |
| 9                     | 4041                 | UNILAT RAD NECK DISSECT                              | 67                 | Ot Rx hemic               |
| 9                     | 4042                 | BILAT RAD NECK DISSECT                               | 67                 | Ot Rx hemic               |
| 9                     | 4050                 | RAD NODE DISSECTION NOS                              | 67                 | Ot Rx hemic               |
| 9                     | 4051                 | RAD DISSEC AXILLARY NODE                             | 67                 | Ot Rx hemic               |
| 9                     | 4052                 | RAD DISSEC PERIAORT NODE                             | 67                 | Ot Rx hemic               |
| 9                     | 4053                 | RAD DISSEC ILIAC NODES                               | 67                 | Ot Rx hemic               |
| 9                     | 4054                 | RADICAL GROIN DISSECTION                             | 67                 | Ot Rx hemic               |
| 9                     | 4059                 | RAD NODE DISSECTION NEC                              | 67                 | Ot Rx hemic               |
| 9                     | 4061                 | THORAC DUCT CANNULATION                              | 67                 | Ot Rx hemic               |
| 9                     | 4062                 | THORACIC DUCT FISTULIZAT                             | 67                 | Ot Rx hemic               |
| 9                     | 4063                 | CLOSE THORACIC DUCT FIST                             | 67                 | Ot Rx hemic               |
| 9                     | 4064                 | LIGATE THORACIC DUCT                                 | 67                 | Ot Rx hemic               |
| 9                     | 4069                 | THORACIC DUCT OP NEC                                 | 67                 | Ot Rx hemic               |
| 9                     | 409                  | LYMPH STRUCTURE OP NEC                               | 67                 | Ot Rx hemic               |
| 9                     | 410                  | BONE MARROW TRNSPLNT (Begin 1980 End 1988)           | 64                 | Bon mar tran              |
| 9                     | 4100                 | BONE MARROW TRNSPLNT NOS (Begin 1988)                | 64                 | Bon mar tran              |
| 9                     | 4101                 | AUT BONE MARROW TRNSPLNT (Begin 1988)                | 64                 | Bon mar tran              |
| 9                     | 4102                 | ALO BONE MARROW TRNSPLNT (Begin 1988)                | 64                 | Bon mar tran              |
| 9                     | 4103                 | ALLOGRFT BONE MARROW NOS (Begin 1988)                | 64                 | Bon mar tran              |
| 9                     | 4104                 | AUTOL HEMATOPO STEM CELL TRANSPLNT (Begin 1994)      | 64                 | Bon mar tran              |
| 9                     | 4105                 | ALLOGEN HEMATO STEM CELL TRANS (Begin 1997)          | 64                 | Bon mar tran              |
| 9                     | 4106                 | CORD BLOOD STEM CELL TRANS (Begin 1997)              | 64                 | Bon mar tran              |
| 9                     | 4107                 | AUTOL.HEMAT STEM CELL TRANS W/PURGING (Begin 2000)   | 64                 | Bon mar tran              |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 4108                 | ALLOGEN HEMAT STEM CELL TRANS W/PURGING (Begin 2000) | 64                 | Bon mar tran              |
| 9                     | 4109                 | AUTOL BONE MARROW TRANS W/PURGING (Begin 2000)       | 64                 | Bon mar tran              |
| 9                     | 411                  | PUNCTURE OF SPLEEN                                   | 66                 | Prs spleen                |
| 9                     | 412                  | SPLENOTOMY   | 66                 | Prs spleen                |
| 9                     | 4132                 | CLOSED SPLEEN BIOPSY                                 | 67                 | Ot Rx hemic               |
| 9                     | 4133                 | OPEN SPLEEN BIOPSY                                   | 67                 | Ot Rx hemic               |
| 9                     | 4138                 | MARROW DIAGNOST PROC NEC                             | 67                 | Ot Rx hemic               |
| 9                     | 4139                 | SPLEEN DIAGNOST PROC NEC                             | 67                 | Ot Rx hemic               |
| 9                     | 4141                 | SPLENIC CYST MARSUPIAL                               | 66                 | Prs spleen                |
| 9                     | 4142                 | EXC SPLENIC LESION/TISS                              | 66                 | Prs spleen                |
| 9                     | 4143                 | PARTIAL SPLENECTOMY                                  | 66                 | Prs spleen                |
| 9                     | 415                  | TOTAL SPLENECTOMY                                    | 66                 | Prs spleen                |
| 9                     | 4191                 | DONOR MARROW ASPIRATION                              | 67                 | Ot Rx hemic               |
| 9                     | 4192                 | INJECTION INTO MARROW                                | 67                 | Ot Rx hemic               |
| 9                     | 4193                 | EXC OF ACCESSORY SPLEEN                              | 66                 | Prs spleen                |
| 9                     | 4194                 | SPLEEN TRANSPLANTATION                               | 176                | Ot orgn tran              |
| 9                     | 4195                 | REPAIR OF SPLEEN                                     | 66                 | Prs spleen                |
| 9                     | 4198                 | BONE MARROW OPS NEC                                  | 67                 | Ot Rx hemic               |
| 9                     | 4199                 | SPLEEN OPERATION NEC                                 | 66                 | Prs spleen                |
| 9                     | 435                  | PROXIMAL GASTRECTOMY                                 | 74                 | Gastrectomy               |
| 9                     | 436                  | DISTAL GASTRECTOMY                                   | 74                 | Gastrectomy               |
| 9                     | 437                  | PART GASTREC W JEJ ANAST                             | 74                 | Gastrectomy               |
| 9                     | 4381                 | PART GAST W JEJ TRANSPOS                             | 74                 | Gastrectomy               |
| 9                     | 4382                 | Lap vertical gastrectomy (Begin 2011)                | 74                 | Gastrectomy               |
| 9                     | 4389                 | PARTIAL GASTRECTOMY NEC                              | 74                 | Gastrectomy               |
| 9                     | 4391                 | TOT GAST W INTES INTERPO                             | 74                 | Gastrectomy               |
| 9                     | 4399                 | TOTAL GASTRECTOMY NEC                                | 74                 | Gastrectomy               |
| 9                     | 4541                 | EXCIS LG INTESTINE LES                               | 79                 | Rem coln les              |
| 9                     | 4571                 | MULT SEG LG BOWEL EXCIS                              | 78                 | Colorec resc              |
| 9                     | 4572                 | CECECTOMY  | 78                 | Colorec resc              |
| 9                     | 4573                 | RIGHT HEMICOLECTOMY                                  | 78                 | Colorec resc              |
| 9                     | 4574                 | TRANSVERSE COLON RESECT                              | 78                 | Colorec resc              |
| 9                     | 4575                 | LEFT HEMICOLECTOMY (Begin 1988)                      | 78                 | Colorec resc              |
| 9                     | 4576                 | SIGMOIDECTOMY  | 78                 | Colorec resc              |
| 9                     | 4579                 | PART LG BOWEL EXCIS NEC                              | 78                 | Colorec resc              |
| 9                     | 458                  | TOT INTRA-ABD COLECTOMY (End 2008)                   | 78                 | Colorec resc              |
| 9                     | 4581                 | LAP TOT INTR-AB COLECTMY (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4582                 | OP TOT INTR-ABD COLECTMY (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4583                 | TOT ABD COLECTMY NEC/NOS (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4697                 | TRANSPLANT OF INTESTINE (Begin 2000)                 | 176                | Ot orgn tran              |
| 9                     | 4840                 | PULL-THRU RES RECTUM NOS (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4841                 | SOAVE SUBMUC RECT RESECT                             | 78                 | Colorec resc              |
| 9                     | 4842                 | LAP PULL-THRU RES RECTUM (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4843                 | OPN PULL-THRU RES RECTUM (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4849                 | PULL-THRU RECT RESEC NEC                             | 78                 | Colorec resc              |
| 9                     | 485                  | ABD-PERINEAL RECT RESECT (End 2008)                  | 78                 | Colorec resc              |
| 9                     | 4850                 | ABDPERNEAL RES RECTM NOS (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4851                 | LAP ABDPERNEAL RESC REC (Begin 2008)                 | 78                 | Colorec resc              |
| 9                     | 4852                 | OPN ABDPERNEAL RESC REC (Begin 2008)                 | 78                 | Colorec resc              |
| 9                     | 4859                 | ABDPERNEAL RESC RECT NEC (Begin 2008)                | 78                 | Colorec resc              |
| 9                     | 4861                 | TRANSAC RECTOSIGMOIDECT                              | 78                 | Colorec resc              |
| 9                     | 4862                 | ANT RECT RESECT W COLOST                             | 78                 | Colorec resc              |
| 9                     | 4863                 | ANTERIOR RECT RESECT NEC                             | 78                 | Colorec resc              |
| 9                     | 4864                 | POSTERIOR RECT RESECTION                             | 78                 | Colorec resc              |
| 9                     | 4865                 | DUHAMEL RECTAL RESECTION                             | 78                 | Colorec resc              |
| 9                     | 4866                 | HARTMANN RESECTION RECTUM (Begin 1980 End 1988)      | 78                 | Colorec resc              |
| 9                     | 4869                 | RECTAL RESECTION NEC                                 | 78                 | Colorec resc              |
| 9                     | 500                  | HEPATOTOMY   | 99                 | OR GI Rx prs              |
| 9                     | 5021                 | MARSUPIALIZAT LIVER LES                              | 99                 | OR GI Rx prs              |
| 9                     | 5022                 | PARTIAL HEPATECTOMY                                  | 99                 | OR GI Rx prs              |
| 9                     | 5023                 | OPN ABLTN LIVER LES/TISS (Begin 2006)                | 99                 | OR GI Rx prs              |
| 9                     | 5024                 | PERC ABLTN LIVER LES/TIS (Begin 2006)                | 99                 | OR GI Rx prs              |
| 9                     | 5025                 | LAP ABLTN LIVER LES/TISS (Begin 2006)                | 99                 | OR GI Rx prs              |
| 9                     | 5026                 | ABLTN LIVER LES/TISS NEC (Begin 2006)                | 99                 | OR GI Rx prs              |
| 9                     | 5029                 | DESTRUC HEPATIC LES NEC                              | 99                 | OR GI Rx prs              |
| 9                     | 503                  | HEPATIC LOBECTOMY                                    | 99                 | OR GI Rx prs              |
| 9                     | 504                  | TOTAL HEPATECTOMY                                    | 99                 | OR GI Rx prs              |
| 9                     | 5051                 | AUXILIARY LIVER TRANSPL                              | 176                | Ot orgn tran              |
| 9                     | 5059                 | LIVER TRANSPLANT NEC                                 | 176                | Ot orgn tran              |
| 9                     | 5061                 | CLOSURE LIVER LACERAT                                | 99                 | OR GI Rx prs              |
| 9                     | 5069                 | LIVER REPAIR NEC                                     | 99                 | OR GI Rx prs              |
| 9                     | 5102                 | TROCAR CHOLECYSTOSTOMY                               | 99                 | OR GI Rx prs              |
| 9                     | 5103                 | CHOLECYSTOSTOMY NEC                                  | 99                 | OR GI Rx prs              |
| 9                     | 5104                 | CHOLECYSTOTOMY NEC                                   | 99                 | OR GI Rx prs              |
| 9                     | 5121                 | PARTIAL CHOLECYSTECTOMY (Begin 1996)                 | 84                 | Cholecystec               |
| 9                     | 5122                 | (TOTAL) CHOLECYSTECTOMY(Begin 1991)                  | 84                 | Cholecystec               |
| 9                     | 5123                 | LAPAROSCOPIC CHOLECYSTEC (Begin 1991)                | 84                 | Cholecystec               |
| 9                     | 5124                 | LAPAROSCOP PART CHOLE (Begin 1996)                   | 84                 | Cholecystec               |
| 9                     | 5131                 | GB-TO-HEPAT DUCT ANAST                               | 99                 | OR GI Rx prs              |
| 9                     | 5132                 | GB-TO-INTESTINE ANASTOM                              | 99                 | OR GI Rx prs              |
| 9                     | 5133                 | GB-TO-PANCREAS ANASTOM                               | 99                 | OR GI Rx prs              |
| 9                     | 5134                 | GB-TO-STOMACH ANASTOMOS                              | 99                 | OR GI Rx prs              |
| 9                     | 5135                 | GALLBLADDER ANASTOM NEC                              | 99                 | OR GI Rx prs              |
| 9                     | 5136                 | CHOLEDOCHOENTEROSTOMY                                | 99                 | OR GI Rx prs              |
| 9                     | 5137                 | HEPATIC DUCT-GI ANASTOM                              | 99                 | OR GI Rx prs              |
| 9                     | 5139                 | BILE DUCT ANASTOMOS NEC                              | 99                 | OR GI Rx prs              |
| 9                     | 5141                 | CDE FOR CALCULUS REMOV                               | 84                 | Cholecystec               |
| 9                     | 5142                 | CDE FOR OBSTRUCTION NEC                              | 84                 | Cholecystec               |
| 9                     | 5143                 | CHOLEDOCHOHEPAT INTUBAT                              | 84                 | Cholecystec               |
| 9                     | 5149                 | INCIS OBSTR BILE DUC NEC                             | 84                 | Cholecystec               |
| 9                     | 5151                 | COMMON DUCT EXPLORATION                              | 84                 | Cholecystec               |
| 9                     | 5159                 | BILE DUCT INCISION NEC                               | 84                 | Cholecystec               |
| 9                     | 5161                 | EXCIS CYST DUCT REMNANT                              | 99                 | OR GI Rx prs              |
| 9                     | 5162                 | EXCIS AMPULLA OF VATER                               | 99                 | OR GI Rx prs              |
| 9                     | 5163                 | COMMON DUCT EXCIS NEC                                | 99                 | OR GI Rx prs              |
| 9                     | 5169                 | BILE DUCT EXCISION NEC                               | 99                 | OR GI Rx prs              |
| 9                     | 5171                 | SIMPLE SUT-COMMON DUCT                               | 99                 | OR GI Rx prs              |
| 9                     | 5172                 | CHOLEDOCHOPLASTY                                     | 99                 | OR GI Rx prs              |
| 9                     | 5179                 | BILE DUCT REPAIR NEC                                 | 99                 | OR GI Rx prs              |
| 9                     | 5181                 | SPHINCTER OF ODDI DILAT                              | 99                 | OR GI Rx prs              |
| 9                     | 5182                 | PANCREAT SPHINCTEROTOM                               | 99                 | OR GI Rx prs              |
| 9                     | 5183                 | PANCREAT SPHINCTEROPLAS                              | 99                 | OR GI Rx prs              |
| 9                     | 5189                 | SPHINCT OF ODDI OP NEC                               | 99                 | OR GI Rx prs              |
| 9                     | 5191                 | REPAIR GB LACERATION                                 | 99                 | OR GI Rx prs              |
| 9                     | 5192                 | CLOSURE CHOLECYSTOSTOMY                              | 99                 | OR GI Rx prs              |
| 9                     | 5193                 | CLOS BILIARY FISTUL NEC                              | 99                 | OR GI Rx prs              |
| 9                     | 5194                 | REVIS BILE TRACT ANASTOM                             | 99                 | OR GI Rx prs              |
| 9                     | 5195                 | REMOVE BILE DUCT PROSTH                              | 99                 | OR GI Rx prs              |
| 9                     | 5199                 | BILIARY TRACT OP NEC                                 | 99                 | OR GI Rx prs              |
| 9                     | 5201                 | CATH DRAIN-PANCREAT CYST                             | 99                 | OR GI Rx prs              |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                          | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 5209                 | PANCREATOTOMY NEC                              | 99                 | OR GI Rx prs              |
| 9                     | 522                  | LOCAL EXCIS PANCREAS LES (Begin 1980 End 1989) | 99                 | OR GI Rx prs              |
| 9                     | 5222                 | OTHER DESTRU PANCREA LES (Begin 1989)          | 99                 | OR GI Rx prs              |
| 9                     | 523                  | PANCREAT CYST MARSUPIALI                       | 99                 | OR GI Rx prs              |
| 9                     | 524                  | INT DRAIN PANCREAT CYST                        | 99                 | OR GI Rx prs              |
| 9                     | 5251                 | PROXIMAL PANCREATECTOMY                        | 99                 | OR GI Rx prs              |
| 9                     | 5252                 | DISTAL PANCREATECTOMY                          | 99                 | OR GI Rx prs              |
| 9                     | 5253                 | RAD SUBTOT PANCREATECTOM                       | 99                 | OR GI Rx prs              |
| 9                     | 5259                 | PARTIAL PANCREATECT NEC                        | 99                 | OR GI Rx prs              |
| 9                     | 526                  | TOTAL PANCREATECTOMY                           | 99                 | OR GI Rx prs              |
| 9                     | 527                  | RAD PANCREATOCODUODENECT                       | 99                 | OR GI Rx prs              |
| 9                     | 5280                 | PANCREAT TRANSPLANT NOS                        | 176                | Ot orgn tran              |
| 9                     | 5281                 | REIMPLANT PANCREATIC TIS                       | 176                | Ot orgn tran              |
| 9                     | 5282                 | PANCREATIC HOMOTRANSPLAN                       | 176                | Ot orgn tran              |
| 9                     | 5283                 | PANCREATIC HETEROTRANSPL                       | 176                | Ot orgn tran              |
| 9                     | 5284                 | AUTOTRANS ISLET CELLS (Begin 1996)             | 176                | Ot orgn tran              |
| 9                     | 5285                 | ALLOTRANS ISLET CELLS (Begin 1996)             | 176                | Ot orgn tran              |
| 9                     | 5286                 | TRANSPL ISLET CELLS NOS (Begin 1996)           | 176                | Ot orgn tran              |
| 9                     | 5292                 | (OTH) CANNULAT PANCRE DUC(Begin 1989)          | 99                 | OR GI Rx prs              |
| 9                     | 5295                 | PANCREATIC REPAIR NEC                          | 99                 | OR GI Rx prs              |
| 9                     | 5296                 | PANCREATIC ANASTOMOSIS                         | 99                 | OR GI Rx prs              |
| 9                     | 5299                 | PANCREATIC OPERATION NEC (Begin 1989)          | 99                 | OR GI Rx prs              |
| 9                     | 5300                 | UNILAT ING HERN REP NOS                        | 85                 | Ing/fem hern              |
| 9                     | 5301                 | REPAIR DIRECT ING HERNIA                       | 85                 | Ing/fem hern              |
| 9                     | 5302                 | REPAIR INDIR ING HERNIA                        | 85                 | Ing/fem hern              |
| 9                     | 5303                 | DIR ING HERNIA REP-GRAFT                       | 85                 | Ing/fem hern              |
| 9                     | 5304                 | IND ING HERNIA REP-GRAFT                       | 85                 | Ing/fem hern              |
| 9                     | 5305                 | ING HERNIA REP-GRAFT NOS                       | 85                 | Ing/fem hern              |
| 9                     | 5310                 | BILAT ING HERNIA REP NOS                       | 85                 | Ing/fem hern              |
| 9                     | 5311                 | BILAT DIR ING HERN REP                         | 85                 | Ing/fem hern              |
| 9                     | 5312                 | BILAT IND ING HERN REP                         | 85                 | Ing/fem hern              |
| 9                     | 5313                 | BIL DIR/IND ING HRN REP                        | 85                 | Ing/fem hern              |
| 9                     | 5314                 | BIL DIR ING HRN REP-GRFT                       | 85                 | Ing/fem hern              |
| 9                     | 5315                 | BIL IND ING HRN REP-GRFT                       | 85                 | Ing/fem hern              |
| 9                     | 5316                 | BIL DIR/IND ING HERN-PRO                       | 85                 | Ing/fem hern              |
| 9                     | 5317                 | BIL ING HRN REP-GRFT NOS                       | 85                 | Ing/fem hern              |
| 9                     | 5321                 | UNIL FEMOR HRN REP-GRFT                        | 85                 | Ing/fem hern              |
| 9                     | 5329                 | UNIL FEMOR HERN REP NEC                        | 85                 | Ing/fem hern              |
| 9                     | 5331                 | BIL FEM HERN REPAIR-GRFT                       | 85                 | Ing/fem hern              |
| 9                     | 5339                 | BIL FEM HERN REPAIR NEC                        | 85                 | Ing/fem hern              |
| 9                     | 5341                 | UMBIL HERNIA REPAIR-GRFT                       | 86                 | Ot hern repr              |
| 9                     | 5342                 | LAP UMBIL HERNIA-GRAFT (Begin 2008)            | 86                 | Ot hern repr              |
| 9                     | 5343                 | LAP UMBILICAL HERNIA NEC (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 5349                 | UMBIL HERNIA REPAIR NEC                        | 86                 | Ot hern repr              |
| 9                     | 5351                 | INCISIONAL HERNIA REPAIR                       | 86                 | Ot hern repr              |
| 9                     | 5359                 | ABD WALL HERN REPAIR NEC                       | 86                 | Ot hern repr              |
| 9                     | 5361                 | INCIS HERNIA REPAIR-GRFT                       | 86                 | Ot hern repr              |
| 9                     | 5362                 | LAP INCIS HERN REPR-GRFT (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 5363                 | LAP HERN ANT ABD-GFT NEC (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 5369                 | ABD HERN REPAIR-GRFT NEC                       | 86                 | Ot hern repr              |
| 9                     | 537                  | ABD REPAIR-DIAPHR HERNIA (End 2008)            | 86                 | Ot hern repr              |
| 9                     | 5371                 | LAP ABD REP-DIAPHR HERN (Begin 2008)           | 86                 | Ot hern repr              |
| 9                     | 5372                 | OPN ABD DIAPHRM HERN NEC (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 5375                 | ABD REP-DIAPHR HERN NOS (Begin 2008)           | 86                 | Ot hern repr              |
| 9                     | 5380                 | THOR REP-DIAPH HERN NOS                        | 86                 | Ot hern repr              |
| 9                     | 5381                 | DIAPHRAGMATIC PPLICATION                       | 86                 | Ot hern repr              |
| 9                     | 5382                 | PARASTERN HERNIA REPAIR                        | 86                 | Ot hern repr              |
| 9                     | 5383                 | LAP THORC APP-DIAPH HERN (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 5384                 | OPN THORC DIAPH HERN NEC (Begin 2008)          | 86                 | Ot hern repr              |
| 9                     | 539                  | OTHER HERNIA REPAIR                            | 86                 | Ot hern repr              |
| 9                     | 540                  | ABDOMINAL WALL INCISION                        | 99                 | OR GI Rx prs              |
| 9                     | 5412                 | REOPEN RECENT LAP SITE                         | 99                 | OR GI Rx prs              |
| 9                     | 5419                 | LAPAROTOMY NEC                                 | 99                 | OR GI Rx prs              |
| 9                     | 543                  | DESTRUCT ABD WALL LESION                       | 99                 | OR GI Rx prs              |
| 9                     | 544                  | DESTRUCT PERITONEAL TISS                       | 99                 | OR GI Rx prs              |
| 9                     | 5461                 | RECLOSE POST OP DISRUPT                        | 99                 | OR GI Rx prs              |
| 9                     | 5462                 | DELAYED CLOS ABD WOUND                         | 99                 | OR GI Rx prs              |
| 9                     | 5463                 | ABD WALL SUTURE NEC                            | 99                 | OR GI Rx prs              |
| 9                     | 5464                 | PERITONEAL SUTURE                              | 99                 | OR GI Rx prs              |
| 9                     | 5471                 | REPAIR OF GASTROSCHISIS                        | 99                 | OR GI Rx prs              |
| 9                     | 5472                 | ABDOMEN WALL REPAIR NEC                        | 99                 | OR GI Rx prs              |
| 9                     | 5473                 | PERITONEAL REPAIR NEC                          | 99                 | OR GI Rx prs              |
| 9                     | 5474                 | OMENTAL REPAIR NEC                             | 99                 | OR GI Rx prs              |
| 9                     | 5475                 | MESENTERIC REPAIR NEC                          | 99                 | OR GI Rx prs              |
| 9                     | 5492                 | REMOVE FB FROM PERITON                         | 99                 | OR GI Rx prs              |
| 9                     | 5493                 | CREATE CUTANPERITON FIST                       | 99                 | OR GI Rx prs              |
| 9                     | 5494                 | CREAT PERITONEOVAS SHUNT                       | 99                 | OR GI Rx prs              |
| 9                     | 5495                 | PERITONEAL INCISION                            | 99                 | OR GI Rx prs              |
| 9                     | 5503                 | PERCU NEPHROSTM W/O FRAG (Begin 1986)          | 103                | Nephrotomy                |
| 9                     | 5504                 | PERCU NEPHROSTMY W FRAG (Begin 1986)           | 103                | Nephrotomy                |
| 9                     | 5531                 | RENAL LES MARSUPIALIZAT                        | 112                | OR Rx urin                |
| 9                     | 5532                 | OPN ABLTN RENAL LES/TISS (Begin 2006)          | 112                | OR Rx urin                |
| 9                     | 5533                 | PERC ABLTN RENL LES/TISS (Begin 2006)          | 112                | OR Rx urin                |
| 9                     | 5534                 | LAP ABLTN RENAL LES/TISS (Begin 2006)          | 112                | OR Rx urin                |
| 9                     | 5535                 | ABLTN RENAL LES/TISS NEC (Begin 2006)          | 112                | OR Rx urin                |
| 9                     | 5539                 | LOC DESTR RENAL LES NEC                        | 112                | OR Rx urin                |
| 9                     | 554                  | PARTIAL NEPHRECTOMY                            | 104                | Nephrectomy               |
| 9                     | 5551                 | NEPHROURETERECTOMY                             | 104                | Nephrectomy               |
| 9                     | 5552                 | SOLITARY KIDNEY NEPHRECT                       | 104                | Nephrectomy               |
| 9                     | 5553                 | REJECTED KIDNEY NEPHRECT                       | 104                | Nephrectomy               |
| 9                     | 5554                 | BILATERAL NEPHRECTOMY                          | 104                | Nephrectomy               |
| 9                     | 5561                 | RENAL AUTOTRANSPLANT                           | 105                | Kidney trans              |
| 9                     | 5569                 | KIDNEY TRANSPLANT NEC                          | 105                | Kidney trans              |
| 9                     | 557                  | NEPHROPEXY                                     | 112                | OR Rx urin                |
| 9                     | 5581                 | SUTURE KIDNEY LACERATION                       | 112                | OR Rx urin                |
| 9                     | 5582                 | CLOSE NEPHROST & PYELOST                       | 112                | OR Rx urin                |
| 9                     | 5583                 | CLOSE RENAL FISTULA NEC                        | 112                | OR Rx urin                |
| 9                     | 5584                 | REDUCE RENAL PEDICL TORS                       | 112                | OR Rx urin                |
| 9                     | 5585                 | SYMPHYSIOTOMY                                  | 112                | OR Rx urin                |
| 9                     | 5586                 | RENAL ANASTOMOSIS                              | 112                | OR Rx urin                |
| 9                     | 5587                 | CORRECT URETEROPELV JUNC                       | 112                | OR Rx urin                |
| 9                     | 5589                 | RENAL REPAIR NEC                               | 112                | OR Rx urin                |
| 9                     | 5591                 | RENAL DECAPSULATION                            | 112                | OR Rx urin                |
| 9                     | 5597                 | IMPLANT MECHANIC KIDNEY                        | 112                | OR Rx urin                |
| 9                     | 5598                 | REMOV MECHANICAL KIDNEY                        | 112                | OR Rx urin                |
| 9                     | 5599                 | RENAL OPERATION NEC                            | 112                | OR Rx urin                |
| 9                     | 561                  | URETERAL MEATOTOMY                             | 112                | OR Rx urin                |
| 9                     | 562                  | URETEROTOMY                                    | 112                | OR Rx urin                |
| 9                     | 5640                 | URETERECTOMY NOS                               | 112                | OR Rx urin                |
| 9                     | 5641                 | PARTIAL URETERECTOMY                           | 112                | OR Rx urin                |



The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                            | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 5642                 | TOTAL URETERECTOMY                               | 112                | OR Rx urin                |
| 9                     | 5651                 | FORM CUTAN ILEOURETEROST                         | 112                | OR Rx urin                |
| 9                     | 5652                 | REVIS CUTAN ILEOURETEROS                         | 112                | OR Rx urin                |
| 9                     | 5661                 | FORM CUTAN URETEROSTOMY                          | 112                | OR Rx urin                |
| 9                     | 5662                 | REVIS CUTAN URETEROS NEC                         | 112                | OR Rx urin                |
| 9                     | 5671                 | URIN DIVERSION TO BOWEL                          | 112                | OR Rx urin                |
| 9                     | 5672                 | REVIS URETEROENTEROSTOMY                         | 112                | OR Rx urin                |
| 9                     | 5673                 | NEPHROCYSTANASTOMOSI NOS                         | 112                | OR Rx urin                |
| 9                     | 5674                 | URETERONEOCYSTOSTOMY                             | 112                | OR Rx urin                |
| 9                     | 5675                 | TRANSURETEROURETEROSTOMY                         | 112                | OR Rx urin                |
| 9                     | 5679                 | URETERAL ANASTOMOSIS NEC                         | 112                | OR Rx urin                |
| 9                     | 5681                 | INTRALUM URETE ADHESIOLY                         | 112                | OR Rx urin                |
| 9                     | 5682                 | SUTURE URETERAL LACERAT                          | 112                | OR Rx urin                |
| 9                     | 5683                 | URETEROSTOMY CLOSURE                             | 112                | OR Rx urin                |
| 9                     | 5684                 | CLOSE URETER FISTULA NEC                         | 112                | OR Rx urin                |
| 9                     | 5685                 | URETEROPEXY                                      | 112                | OR Rx urin                |
| 9                     | 5686                 | REMOVE URETERAL LIGATURE                         | 112                | OR Rx urin                |
| 9                     | 5689                 | REPAIR OF URETER NEC                             | 112                | OR Rx urin                |
| 9                     | 5692                 | IMPLANT URETERAL STIMUL                          | 112                | OR Rx urin                |
| 9                     | 5693                 | REPLACE URETERAL STIMUL                          | 112                | OR Rx urin                |
| 9                     | 5694                 | REMOVE URETERAL STIMULAT                         | 112                | OR Rx urin                |
| 9                     | 5695                 | LIGATION OF URETER                               | 112                | OR Rx urin                |
| 9                     | 5699                 | URETERAL OPERATION NEC                           | 112                | OR Rx urin                |
| 9                     | 5712                 | CYSTOTOMY & ADHESIOLYSIS                         | 112                | OR Rx urin                |
| 9                     | 5718                 | OTHER SUPRAPU CYSTOTOMY (Begin 1989)             | 112                | OR Rx urin                |
| 9                     | 5719                 | CYSTOTOMY NEC                                    | 112                | OR Rx urin                |
| 9                     | 5721                 | CYSTOTOMY (Begin 1989)                           | 112                | OR Rx urin                |
| 9                     | 5722                 | REVISE CYSTOTOMY (Begin 1989)                    | 112                | OR Rx urin                |
| 9                     | 5751                 | EXCISION OF URACHUS                              | 112                | OR Rx urin                |
| 9                     | 5759                 | BLADDER LES DESTRUCT NEC                         | 112                | OR Rx urin                |
| 9                     | 576                  | PARTIAL CYSTECTOMY                               | 112                | OR Rx urin                |
| 9                     | 5771                 | RADICAL CYSTECTOMY                               | 112                | OR Rx urin                |
| 9                     | 5779                 | TOTAL CYSTECTOMY NEC                             | 112                | OR Rx urin                |
| 9                     | 5781                 | SUTURE BLADDER LACERAT                           | 112                | OR Rx urin                |
| 9                     | 5782                 | CYSTOTOMY CLOSURE                                | 112                | OR Rx urin                |
| 9                     | 5783                 | ENTEROVESICO FIST REPAIR                         | 112                | OR Rx urin                |
| 9                     | 5784                 | VESIC FISTULA REPAIR NEC                         | 112                | OR Rx urin                |
| 9                     | 5785                 | CYSTOURETHROPLASTY                               | 112                | OR Rx urin                |
| 9                     | 5786                 | BLADDER EXSTROPHY REPAIR                         | 112                | OR Rx urin                |
| 9                     | 5787                 | BLADDER RECONSTRUCTION                           | 112                | OR Rx urin                |
| 9                     | 5788                 | BLADDER ANASTOMOSIS NEC                          | 112                | OR Rx urin                |
| 9                     | 5789                 | BLADDER REPAIR NEC                               | 112                | OR Rx urin                |
| 9                     | 5791                 | BLADDER SPHINCTEROTOMY                           | 112                | OR Rx urin                |
| 9                     | 5793                 | CONTROL BLADD HEMORRHAGE                         | 112                | OR Rx urin                |
| 9                     | 5796                 | IMPLANT BLADDER STIMULAT                         | 112                | OR Rx urin                |
| 9                     | 5797                 | REPLACE BLADDER STIMULAT                         | 112                | OR Rx urin                |
| 9                     | 5798                 | REMOVE BLADDER STIMULAT                          | 112                | OR Rx urin                |
| 9                     | 5799                 | BLADDER OPERATION NEC                            | 112                | OR Rx urin                |
| 9                     | 580                  | URETHROTOMY                                      | 109                | Prcs urethra              |
| 9                     | 581                  | URETHRAL MEATOTOMY                               | 109                | Prcs urethra              |
| 9                     | 583                  | EXCIS DESTR URETHRA LES (Begin 1980 End 1990)    | 109                | Prcs urethra              |
| 9                     | 5831                 | ENDOSC DESTR URETHRA LES (Begin 1990)            | 109                | Prcs urethra              |
| 9                     | 5839                 | OTHER DESTRU URETHRA LES (Begin 1990)            | 109                | Prcs urethra              |
| 9                     | 5841                 | SUTURE URETHRAL LACERAT                          | 109                | Prcs urethra              |
| 9                     | 5842                 | URETHROSTOMY CLOSURE                             | 109                | Prcs urethra              |
| 9                     | 5843                 | CLOSE URETH FISTULA NEC                          | 109                | Prcs urethra              |
| 9                     | 5844                 | URETHRAL REANASTOMOSIS                           | 109                | Prcs urethra              |
| 9                     | 5845                 | HYPO-EPISPADIUS REPAIR                           | 109                | Prcs urethra              |
| 9                     | 5846                 | URETH RECONSTRUCTION NEC                         | 109                | Prcs urethra              |
| 9                     | 5847                 | URETHRAL MEATOPLASTY                             | 109                | Prcs urethra              |
| 9                     | 5849                 | URETHRAL REPAIR NEC                              | 109                | Prcs urethra              |
| 9                     | 585                  | URETH STRICTURE RELEASE                          | 109                | Prcs urethra              |
| 9                     | 586                  | URETHRAL DILATION                                | 109                | Prcs urethra              |
| 9                     | 5891                 | PERIURETHRAL INCISION                            | 109                | Prcs urethra              |
| 9                     | 5892                 | PERIURETHRAL EXCISION                            | 109                | Prcs urethra              |
| 9                     | 5893                 | IMPLT ARTF URIN SPHINCT (Begin 1986)             | 109                | Prcs urethra              |
| 9                     | 5899                 | URETH/PERIURETH OP NEC                           | 109                | Prcs urethra              |
| 9                     | 5900                 | RETROPERIT DISSECT NOS                           | 112                | OR Rx urin                |
| 9                     | 5901                 | URETEROLYS FOR FIBROSIS                          | 112                | OR Rx urin                |
| 9                     | 5902                 | PERIREN ADHESIOLYS NEC                           | 112                | OR Rx urin                |
| 9                     | 5903                 | LAPAROSC LYSIS VESIC ADH (Begin 1996)            | 112                | OR Rx urin                |
| 9                     | 5909                 | PERIREN/URETER INCIS NEC                         | 112                | OR Rx urin                |
| 9                     | 5911                 | PERIVESICAL ADHESIOLYSIS                         | 112                | OR Rx urin                |
| 9                     | 5912                 | OTH LYSIS VESICAL ADH (Begin 1996)               | 112                | OR Rx urin                |
| 9                     | 5919                 | PERIVESICAL INCISION NEC                         | 112                | OR Rx urin                |
| 9                     | 593                  | URETHROVES JUNCT PLICAT                          | 106                | GU incont pr              |
| 9                     | 594                  | SUPRAPUBIC SLUNG OP                              | 106                | GU incont pr              |
| 9                     | 595                  | RETROPUBIC URETH SUSPENS                         | 106                | GU incont pr              |
| 9                     | 596                  | PARAURETHRAL SUSPENSION                          | 106                | GU incont pr              |
| 9                     | 5971                 | LEVATOR MUSC SUSPENSION                          | 106                | GU incont pr              |
| 9                     | 5972                 | INJECT IMPL URETHRA (Begin 1995)                 | 106                | GU incont pr              |
| 9                     | 5979                 | URIN INCONTIN REPAIR NEC                         | 106                | GU incont pr              |
| 9                     | 5991                 | PERIREN/VESICLE EXCISION                         | 112                | OR Rx urin                |
| 9                     | 5992                 | PERIREN/VESICLE OP NEC                           | 112                | OR Rx urin                |
| 9                     | 5995                 | ULTRASON FRAGMENT-STONE                          | 107                | Lithotrip ur              |
| 9                     | 5996                 | LITHOTRIPSY URIN (Begin 1986 End 1989)           | 107                | Lithotrip ur              |
| 9                     | 602                  | TRANSURETHRAL PROSTATECT (End 1995)              | 113                | TURP                      |
| 9                     | 6021                 | TRANSUR ULTRAS LASER PROST (Begin 1995)          | 113                | TURP                      |
| 9                     | 6029                 | OTHER TURP (Begin 1995)                          | 113                | TURP                      |
| 9                     | 603                  | SUPRAPUBIC PROSTATECTOMY                         | 114                | Opn prostect              |
| 9                     | 604                  | RETROPUBIC PROSTATECTOMY                         | 114                | Opn prostect              |
| 9                     | 605                  | RADICAL PROSTATECTOMY                            | 114                | Opn prostect              |
| 9                     | 6061                 | LOS EXCIS PROSTATIC LES                          | 114                | Opn prostect              |
| 9                     | 6062                 | PERINEAL PROSTATECTOMY                           | 114                | Opn prostect              |
| 9                     | 6069                 | PROSTATECTOMY NEC                                | 114                | Opn prostect              |
| 9                     | 6096                 | TRANSUR MICROWAVE THERMO PROSTATECT (Begin 2000) | 113                | TURP                      |
| 9                     | 6097                 | TRANSUR OTHER THERMO PROSTATECT (Begin 2000)     | 113                | TURP                      |
| 9                     | 650                  | OOPHOROTOMY (End 1996)                           | 120                | Ot prc ovary              |
| 9                     | 6501                 | LAPAROSC OOPHOROTOMY (Begin 1996)                | 120                | Ot prc ovary              |
| 9                     | 6509                 | OTHER OOPHOROTOMY (Begin 1996)                   | 120                | Ot prc ovary              |
| 9                     | 6521                 | OVARIAN CYST MARSUPIALIZ                         | 120                | Ot prc ovary              |
| 9                     | 6522                 | OVARIAN WEDGE RESECTION                          | 120                | Ot prc ovary              |
| 9                     | 6523                 | LAPAR MARSUP OVARY (Begin 1996)                  | 120                | Ot prc ovary              |
| 9                     | 6524                 | LAPAR WEDGE RESECT OV (Begin 1996)               | 120                | Ot prc ovary              |
| 9                     | 6525                 | OTH LAPAR EXCIS OV (Begin 1996)                  | 120                | Ot prc ovary              |
| 9                     | 6529                 | LOCAL DESTR OVA LES NEC                          | 120                | Ot prc ovary              |
| 9                     | 653                  | UNILATERAL OOPHORECTOMY (End 1996)               | 119                | Oophorectomy              |
| 9                     | 6531                 | LAPARSC OOPHECTOMY UNI (Begin 1996)              | 119                | Oophorectomy              |
| 9                     | 6539                 | OTH LAPARSC OOPHECT UNI (Begin 1996)             | 119                | Oophorectomy              |
| 9                     | 654                  | UNILAT SALPINGO-OOPHOREC (End 1996)              | 119                | Oophorectomy              |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 6541                 | LAPAR SALP OOPH UNI (Begin 1996)                           | 119                | Oophorectomy              |
| 9                     | 6549                 | OTH SALP OOPH UNI (Begin 1996)                             | 119                | Oophorectomy              |
| 9                     | 6551                 | REMOVE BOTH OVARIES  | 119                | Oophorectomy              |
| 9                     | 6552                 | REMOVE SOLITARY OVARY                                      | 119                | Oophorectomy              |
| 9                     | 6553                 | LAPAR BIL OOPH (Begin 1996)                                | 119                | Oophorectomy              |
| 9                     | 6554                 | LAPAR REMOV REMAIN OV (Begin 1996)                         | 119                | Oophorectomy              |
| 9                     | 6561                 | REMOVE BOTH TUBES & OVAR                                   | 119                | Oophorectomy              |
| 9                     | 6562                 | REMOVE SOLITARY TUBE/OVA                                   | 119                | Oophorectomy              |
| 9                     | 6563                 | LAPAR REMOV SALP OV BIL (Begin 1996)                       | 119                | Oophorectomy              |
| 9                     | 6564                 | LAPAR REMV SALP OV REM (Begin 1996)                        | 119                | Oophorectomy              |
| 9                     | 6571                 | SIMPLE SUTURE OF OVARY                                     | 120                | Or prc ovary              |
| 9                     | 6572                 | OVARIAN REIMPLANTATION                                     | 120                | Or prc ovary              |
| 9                     | 6573                 | SALPINGO-OOPHOROPLASTY                                     | 120                | Or prc ovary              |
| 9                     | 6574                 | LAPAR SUTURE OV (Begin 1996)                               | 120                | Or prc ovary              |
| 9                     | 6575                 | LAPAR REIMPLANT OV (Begin 1996)                            | 120                | Or prc ovary              |
| 9                     | 6576                 | LAPAR SALP-OOPHPLASTY (Begin 1996)                         | 120                | Or prc ovary              |
| 9                     | 6579                 | REPAIR OF OVARY NEC  | 120                | Or prc ovary              |
| 9                     | 658                  | TUBO-OVARIAN ADHESIOLYS (End 1996)                         | 120                | Or prc ovary              |
| 9                     | 6581                 | LAPAR LYSIS ADHES OV (Begin 1996)                          | 120                | Or prc ovary              |
| 9                     | 6589                 | OTH LYSIS ADHES OV (Begin 1996)                            | 120                | Or prc ovary              |
| 9                     | 6591                 | ASPIRATION OF OVARY  | 120                | Or prc ovary              |
| 9                     | 6592                 | TRANSPLANTATION OF OVARY                                   | 120                | Or prc ovary              |
| 9                     | 6593                 | MANUAL RUPT OVARIAN CYST                                   | 120                | Or prc ovary              |
| 9                     | 6594                 | OVARIAN DENERVATION  | 120                | Or prc ovary              |
| 9                     | 6595                 | OVARIAN TORSION RELEASE                                    | 120                | Or prc ovary              |
| 9                     | 6599                 | OVARIAN OPERATION NEC                                      | 120                | Or prc ovary              |
| 9                     | 660                  | SALPINGOTOMY (Begin 1980 End 1992)                         | 132                | OR female                 |
| 9                     | 6601                 | SALPINGOTOMY (Begin 1992)                                  | 132                | OR female                 |
| 9                     | 6602                 | SALPINGOSTOMY (Begin 1992)                                 | 132                | OR female                 |
| 9                     | 675                  | INT CERVICAL OS REPAIR (End 2001)                          | 132                | OR female                 |
| 9                     | 6761                 | SUTURE CERVICAL LACERAT                                    | 132                | OR female                 |
| 9                     | 6762                 | CERVICAL FISTULA REPAIR                                    | 132                | OR female                 |
| 9                     | 6769                 | CERVICAL REPAIR NEC  | 132                | OR female                 |
| 9                     | 680                  | HYSTEROTOMY  | 132                | OR female                 |
| 9                     | 683                  | SUBTOT ABD HYSTERECTOMY (End 2003)                         | 124                | Hysterectomy              |
| 9                     | 6831                 | LAPAROSCOPIC SUPRACERVICAL HYSTERECTOMY (LSH) (Begin 2003) | 124                | Hysterectomy              |
| 9                     | 6839                 | OTHER SUBTOTAL ABDOMINAL HYSTERECTOMY; NOS (Begin 2003)    | 124                | Hysterectomy              |
| 9                     | 684                  | TOTAL ABD HYSTERECTOMY                                     | 124                | Hysterectomy              |
| 9                     | 6841                 | LAP TOTAL ABDOMINAL HYST (Begin 2006)                      | 124                | Hysterectomy              |
| 9                     | 6849                 | TOTAL ABD HYST NEC/NOS (Begin 2006)                        | 124                | Hysterectomy              |
| 9                     | 685                  | VAGINAL HYSTERECTOMY (End 1996)                            | 124                | Hysterectomy              |
| 9                     | 6851                 | LAPAR ASSIST VAG HYS (Begin 1996)                          | 124                | Hysterectomy              |
| 9                     | 6859                 | OTH VAG HYS (Begin 1996)                                   | 124                | Hysterectomy              |
| 9                     | 686                  | RADICAL ABD HYSTERECTOMY                                   | 124                | Hysterectomy              |
| 9                     | 6861                 | LAP RADICAL ABDOMNL HYST (Begin 2006)                      | 124                | Hysterectomy              |
| 9                     | 6869                 | RADICAL ABD HYST NEC/NOS (Begin 2006)                      | 124                | Hysterectomy              |
| 9                     | 687                  | RADICAL VAG HYSTERECTOMY                                   | 124                | Hysterectomy              |
| 9                     | 6871                 | LAP RADICAL VAGINAL HYST (Begin 2006)                      | 124                | Hysterectomy              |
| 9                     | 6879                 | RADICAL VAG HYST NEC/NOS (Begin 2006)                      | 124                | Hysterectomy              |
| 9                     | 688                  | PELVIC EVISCERATION  | 132                | OR female                 |
| 9                     | 689                  | OTHER UNSPEC HYSTERECTOMY (Begin 1992)                     | 124                | Hysterectomy              |
| 9                     | 6921                 | INTERPOSIT OP UTERIN LIG                                   | 132                | OR female                 |
| 9                     | 6922                 | UTERINE SUSPENSION NEC                                     | 132                | OR female                 |
| 9                     | 6923                 | VAG REPAIR INVERS UTERUS                                   | 132                | OR female                 |
| 9                     | 6929                 | UTERUS/ADNEKA REPAIR NEC                                   | 132                | OR female                 |
| 9                     | 693                  | PARACERV UTERINE DENERV                                    | 132                | OR female                 |
| 9                     | 6941                 | SUTURE UTERINE LACERAT                                     | 132                | OR female                 |
| 9                     | 6942                 | CLOSURE UTERINE FISTULA                                    | 132                | OR female                 |
| 9                     | 6949                 | UTERINE REPAIR NEC   | 132                | OR female                 |
| 9                     | 6995                 | INCISION OF CERVIX   | 132                | OR female                 |
| 9                     | 6997                 | REMOVE PENETRAT CERV FB                                    | 132                | OR female                 |
| 9                     | 6998                 | UTERINE SUPPORT OP NEC                                     | 132                | OR female                 |
| 9                     | 6999                 | UTERINE OPERATION NEC                                      | 132                | OR female                 |
| 9                     | 7012                 | CULDOTOMY  | 132                | OR female                 |
| 9                     | 7013                 | INTRALUM VAG ADHESIOLYS                                    | 132                | OR female                 |
| 9                     | 7014                 | VAGINOTOMY NEC   | 132                | OR female                 |
| 9                     | 7031                 | HYMECTOMY  | 132                | OR female                 |
| 9                     | 7032                 | EXCIS CUL-DE-SAC LESION                                    | 132                | OR female                 |
| 9                     | 7033                 | EXCISION VAGINAL LESION                                    | 132                | OR female                 |
| 9                     | 704                  | VAGINAL OBLITERATION                                       | 132                | OR female                 |
| 9                     | 7050                 | CYSTOCEL/RECTOCEL REPAIR                                   | 129                | Rep cystocel              |
| 9                     | 7051                 | CYSTOCELE REPAIR   | 129                | Rep cystocel              |
| 9                     | 7052                 | RECTOCELE REPAIR   | 129                | Rep cystocel              |
| 9                     | 7053                 | CYSTO & RECTO W GRF/PROS (Begin 2007)                      | 129                | Rep cystocel              |
| 9                     | 7054                 | REP CYSTOCEL W GRFT/PROS (Begin 2007)                      | 129                | Rep cystocel              |
| 9                     | 7055                 | REP RECTOCELE W GRF/PROS (Begin 2007)                      | 129                | Rep cystocel              |
| 9                     | 7061                 | VAGINAL CONSTRUCTION                                       | 132                | OR female                 |
| 9                     | 7062                 | VAGINAL RECONSTRUCTION                                     | 132                | OR female                 |
| 9                     | 7063                 | VAGINAL CONST W GRF/PROS (Begin 2007)                      | 132                | OR female                 |
| 9                     | 7064                 | VAG RECONST W GRFT/PROS (Begin 2007)                       | 132                | OR female                 |
| 9                     | 7071                 | SUTURE VAGINA LACERATION                                   | 132                | OR female                 |
| 9                     | 7072                 | REPAIR COLOVAGIN FISTULA                                   | 132                | OR female                 |
| 9                     | 7073                 | REPAIR RECTOVAG FISTULA                                    | 132                | OR female                 |
| 9                     | 7074                 | REP VAGINOENT FISTUL NEC                                   | 132                | OR female                 |
| 9                     | 7075                 | REPAIR VAG FISTULA NEC                                     | 132                | OR female                 |
| 9                     | 7076                 | HYMENORRHAPHY  | 132                | OR female                 |
| 9                     | 7077                 | VAGINAL SUSPENS & FIXAT                                    | 132                | OR female                 |
| 9                     | 7078                 | VAG SUSP/FIX W GRFT/PROS (Begin 2007)                      | 132                | OR female                 |
| 9                     | 7079                 | VAGINAL REPAIR NEC   | 132                | OR female                 |
| 9                     | 708                  | VAGINAL VAULT OBLITERAT                                    | 129                | Rep cystocel              |
| 9                     | 7091                 | VAGINAL OPERATION NEC                                      | 132                | OR female                 |
| 9                     | 7092                 | CUL-DE-SAC OPERATION NEC                                   | 132                | OR female                 |
| 9                     | 7093                 | CUL-DE-SAC GRF/PROS NEC (Begin 2007)                       | 132                | OR female                 |
| 9                     | 7094                 | INSERT BIOLOGICAL GRAFT (Begin 2007)                       | 132                | OR female                 |
| 9                     | 7095                 | INSERT SYNTH GRAFT/PROST (Begin 2007)                      | 132                | OR female                 |
| 9                     | 7101                 | VULVAR ADHESIOLYSIS  | 132                | OR female                 |
| 9                     | 7109                 | INCIS VULVA/PERINEUM NEC                                   | 132                | OR female                 |
| 9                     | 7122                 | INCISE BARTHOLINS GLAND                                    | 132                | OR female                 |
| 9                     | 7123                 | BARTHOLIN GLAND MARSUP                                     | 132                | OR female                 |
| 9                     | 7124                 | DESTRUC BARTHOLIN GLAND                                    | 132                | OR female                 |
| 9                     | 7129                 | BARTHOLINS GLAND OP NEC                                    | 132                | OR female                 |
| 9                     | 713                  | LOCAL VULVAR EXCIS NEC                                     | 132                | OR female                 |
| 9                     | 714                  | OPERATIONS ON CLITORIS                                     | 132                | OR female                 |
| 9                     | 715                  | RADICAL VULVECTOMY   | 132                | OR female                 |
| 9                     | 7161                 | UNILATERAL VULVECTOMY                                      | 132                | OR female                 |
| 9                     | 7162                 | BILATERAL VULVECTOMY                                       | 132                | OR female                 |
| 9                     | 7171                 | SUTURE VULVAR LACERATION                                   | 132                | OR female                 |
| 9                     | 7172                 | REPAIR VULVAR FISTULA                                      | 132                | OR female                 |
| 9                     | 7179                 | VULVAR/PERIN REPAIR NEC                                    | 132                | OR female                 |
| 9                     | 718                  | OT VULVAR OPERATIONS                                       | 132                | OR female                 |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                   | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 9                     | 719                  | OT FEMALE GENITAL OPS                                   | 132                | OR female                 |
| 9                     | 7601                 | FACIAL BONE SEQUESTRECT                                 | 142                | Excis bone                |
| 9                     | 7611                 | FACIAL BONE BIOPSY                                      | 159                | Dx prs muscu              |
| 9                     | 7619                 | FACIAL BONE DX PROC NEC                                 | 159                | Dx prs muscu              |
| 9                     | 762                  | DESTRUCT FACIAL BONE LES                                | 142                | Excis bone                |
| 9                     | 7631                 | PARTIAL MANDIBULECTOMY                                  | 142                | Excis bone                |
| 9                     | 7639                 | PART FACIAL OSTECTOM NEC                                | 142                | Excis bone                |
| 9                     | 7740                 | BONE BIOPSY NOS   | 159                | Dx prs muscu              |
| 9                     | 7741                 | CHEST CAGE BONE BIOPSY                                  | 159                | Dx prs muscu              |
| 9                     | 7742                 | HUMERUS BIOPSY  | 159                | Dx prs muscu              |
| 9                     | 7743                 | RADIUS & ULNA BIOPSY                                    | 159                | Dx prs muscu              |
| 9                     | 7744                 | METACARPAL/CARPAL BIOPSY                                | 159                | Dx prs muscu              |
| 9                     | 7745                 | FEMORAL BIOPSY  | 159                | Dx prs muscu              |
| 9                     | 7746                 | PAPELLAR BIOPSY   | 159                | Dx prs muscu              |
| 9                     | 7747                 | TIBIA & FIBULA BIOPSY                                   | 159                | Dx prs muscu              |
| 9                     | 7748                 | METATARSAL/TARSAL BIOPSY                                | 159                | Dx prs muscu              |
| 9                     | 7749                 | BONE BIOPSY NEC   | 159                | Dx prs muscu              |
| 9                     | 7760                 | LOC EXC BONE LESION NOS                                 | 142                | Excis bone                |
| 9                     | 7761                 | EXC CHEST CAGE BONE LES                                 | 142                | Excis bone                |
| 9                     | 7762                 | LOC EXC BONE LES HUMERUS                                | 142                | Excis bone                |
| 9                     | 7763                 | LOC EXC LES RADIUS/ULNA                                 | 142                | Excis bone                |
| 9                     | 7764                 | LOC EXC LES METACAR/CAR                                 | 142                | Excis bone                |
| 9                     | 7765                 | LOC EXC BONE LES FEMUR                                  | 142                | Excis bone                |
| 9                     | 7766                 | LOC EXC BONE LES PATELLA                                | 142                | Excis bone                |
| 9                     | 7767                 | LOC EXC LES TIBIA/FIBULA                                | 142                | Excis bone                |
| 9                     | 7768                 | LOC EXC LES METATAR/TAR                                 | 142                | Excis bone                |
| 9                     | 7769                 | LOC EXC BONE LESION NEC                                 | 142                | Excis bone                |
| 9                     | 7770                 | EXCISE BONE FOR GRFT NOS                                | 142                | Excis bone                |
| 9                     | 7771                 | EX CHEST CAGE BONE-GFT                                  | 142                | Excis bone                |
| 9                     | 7772                 | EXCISE HUMERUS FOR GRAFT                                | 142                | Excis bone                |
| 9                     | 7773                 | EXCIS RADIUS/ULNA-GRAFT                                 | 142                | Excis bone                |
| 9                     | 7774                 | EXCIS METACAR/CAR-GRAFT                                 | 142                | Excis bone                |
| 9                     | 7775                 | EXCISE FEMUR FOR GRAFT                                  | 142                | Excis bone                |
| 9                     | 7776                 | EXCISE PATELLA FOR GRAFT                                | 142                | Excis bone                |
| 9                     | 7777                 | EXCISE TIB/FIB FOR GRAFT                                | 142                | Excis bone                |
| 9                     | 7778                 | EXCIS METATAR/TAR-GRAFT                                 | 142                | Excis bone                |
| 9                     | 7779                 | EXCISE BONE FOR GFT NEC                                 | 142                | Excis bone                |
| 9                     | 7780                 | OTH PART OSTECTOMY NOS                                  | 142                | Excis bone                |
| 9                     | 7781                 | OTH CHEST CAGE OSTECTOMY                                | 142                | Excis bone                |
| 9                     | 7782                 | PARTIAL HUMERECTOMY NEC                                 | 142                | Excis bone                |
| 9                     | 7783                 | PART OSTECT-RADIUS/ULNA                                 | 142                | Excis bone                |
| 9                     | 7784                 | PART OSTECT-METACAR/CAR                                 | 142                | Excis bone                |
| 9                     | 7785                 | PART OSTECTOMY-FEMUR                                    | 142                | Excis bone                |
| 9                     | 7786                 | PARTIAL PATELLECTOMY                                    | 142                | Excis bone                |
| 9                     | 7787                 | PART OSTECT-TIBIA/FIBULA                                | 142                | Excis bone                |
| 9                     | 7788                 | PART OSTECT-METATAR/TAR                                 | 142                | Excis bone                |
| 9                     | 7789                 | PARTIAL OSTECTOMY NEC                                   | 142                | Excis bone                |
| 9                     | 7880                 | OTHER BONE DX PROC NOS                                  | 159                | Dx prs muscu              |
| 9                     | 7881                 | OTH DX PROC-CHEST CAGE                                  | 159                | Dx prs muscu              |
| 9                     | 7882                 | OTH DX PROC-HUMERUS                                     | 159                | Dx prs muscu              |
| 9                     | 7883                 | OTH DX PROC-RADIUS/ULNA                                 | 159                | Dx prs muscu              |
| 9                     | 7884                 | OTH DX PROC-METACAR/CAR                                 | 159                | Dx prs muscu              |
| 9                     | 7885                 | OTH DX PROC-FEMUR                                       | 159                | Dx prs muscu              |
| 9                     | 7886                 | OTH DX PROC-PATELLA                                     | 159                | Dx prs muscu              |
| 9                     | 7887                 | OTH DX PROC-TIBIA/FIBULA                                | 159                | Dx prs muscu              |
| 9                     | 7888                 | OTH DX PROC-METATAR/TAR                                 | 159                | Dx prs muscu              |
| 9                     | 7889                 | OTHER BONE DX PROC NEC                                  | 159                | Dx prs muscu              |
| 9                     | 8030                 | JOINT BIOPSY NOS  | 159                | Dx prs muscu              |
| 9                     | 8031                 | SHOULDER JOINT BIOPSY                                   | 159                | Dx prs muscu              |
| 9                     | 8032                 | ELBOW JOINT BIOPSY                                      | 159                | Dx prs muscu              |
| 9                     | 8033                 | WRIST JOINT BIOPSY                                      | 159                | Dx prs muscu              |
| 9                     | 8034                 | HAND/FINGER JOINT BIOPSY                                | 159                | Dx prs muscu              |
| 9                     | 8035                 | HIP JOINT BIOPSY  | 159                | Dx prs muscu              |
| 9                     | 8036                 | KNEE JOINT BIOPSY                                       | 159                | Dx prs muscu              |
| 9                     | 8037                 | ANKLE JOINT BIOPSY                                      | 159                | Dx prs muscu              |
| 9                     | 8038                 | FOOT & TOE JOINT BIOPSY                                 | 159                | Dx prs muscu              |
| 9                     | 8039                 | JOINT BIOPSY NEC  | 159                | Dx prs muscu              |
| 9                     | 805                  | EXCIS DESTR VERTEB DISC (Begin 1980 End 1986)           | 3                  | Laminectomy               |
| 9                     | 8050                 | EXC/DEST INTVRT DISC NOS (Begin 1986)                   | 3                  | Laminectomy               |
| 9                     | 8051                 | EXCISION INTERVERT DISC (Begin 1986)                    | 3                  | Laminectomy               |
| 9                     | 8053                 | REP ANULLUS FIBROSUS-GRFT (Begin 2008)                  | 9                  | Ot OR nerv                |
| 9                     | 8054                 | REP ANULLUS FIBROS NEC/NOS (Begin 2008)                 | 9                  | Ot OR nerv                |
| 9                     | 8059                 | OTH EXC/DEST INTVRT DISC (Begin 1986)                   | 3                  | Laminectomy               |
| 9                     | 8100                 | SPINAL FUSION NOS                                       | 158                | Spinal fus                |
| 9                     | 8101                 | ATLAS-AXIS FUSION                                       | 158                | Spinal fus                |
| 9                     | 8102                 | OTHER CERVICAL FUS (ANT)(Begin 1989)                    | 158                | Spinal fus                |
| 9                     | 8103                 | (DORSAL) SPINAL FUS (Begin 1989)                        | 158                | Spinal fus                |
| 9                     | 8104                 | DORSOLUM FUS W/ H ROD (Begin 1989)                      | 158                | Spinal fus                |
| 9                     | 8105                 | OTH DORSOLUM FUS (Begin 1989)                           | 158                | Spinal fus                |
| 9                     | 8106                 | LUMBAR SPINAL FUS (Begin 1989)                          | 158                | Spinal fus                |
| 9                     | 8107                 | LUMBOSAC SPINAL FUS (Begin 1989)                        | 158                | Spinal fus                |
| 9                     | 8108                 | REFUSION OF SPINE (Begin 1989)                          | 158                | Spinal fus                |
| 9                     | 8109                 | OTHER SPINAL FUS (Begin 1989)                           | 158                | Spinal fus                |
| 9                     | 8130                 | REFUSION SPINE; NOS (Begin 2001)                        | 158                | Spinal fus                |
| 9                     | 8131                 | REFUSION ATLAS-AXIS SPINE (Begin 2001)                  | 158                | Spinal fus                |
| 9                     | 8132                 | REFUSION CERVICAL SPINE ANT (Begin 2001)                | 158                | Spinal fus                |
| 9                     | 8133                 | REFUSION CERVICAL SPINE POST (Begin 2001)               | 158                | Spinal fus                |
| 9                     | 8134                 | REFUSION DORSAL SPINE ANT (Begin 2001)                  | 158                | Spinal fus                |
| 9                     | 8135                 | REFUSION DORSAL SPINE POST TECH (Begin 2001)            | 158                | Spinal fus                |
| 9                     | 8136                 | REFUSION LUMBAR SPINE ANT (Begin 2001)                  | 158                | Spinal fus                |
| 9                     | 8137                 | REFUSION LUMBAR SPINE LAT (Begin 2001)                  | 158                | Spinal fus                |
| 9                     | 8138                 | REFUSION LUMBAR SPINE POST (Begin 2001)                 | 158                | Spinal fus                |
| 9                     | 8139                 | REFUSION SPINE NEC (Begin 2001)                         | 158                | Spinal fus                |
| 9                     | 8141                 | TOTAL KNEE REPLACEMENT (Begin 1980 End 1989)            | 152                | Arthropl kne              |
| 9                     | 8142                 | FIVE-IN-ONE KNEE REPAIR                                 | 152                | Arthropl kne              |
| 9                     | 8143                 | TRIAD KNEE REPAIR                                       | 152                | Arthropl kne              |
| 9                     | 8144                 | PAPELLAR STABILIZATION                                  | 152                | Arthropl kne              |
| 9                     | 8146                 | COLLATERL LIG REPAIR NEC                                | 152                | Arthropl kne              |
| 9                     | 8147                 | OTHER REPAIR OF KNEE                                    | 152                | Arthropl kne              |
| 9                     | 8148                 | TOTAL ANKLE REPLACEMENT (Begin 1980 End 1989)           | 154                | Ot arthropla              |
| 9                     | 8149                 | OTHER REPAIR OF ANKLE                                   | 154                | Ot arthropla              |
| 9                     | 8151                 | TOT HIP REPLACE (W/MET)(Begin 1989)                     | 153                | Hip replace               |
| 9                     | 8152                 | PARTIAL HIP REPLACEMENT (Begin 1989)                    | 153                | Hip replace               |
| 9                     | 8153                 | REVISE HIP REPLACEMENT (Begin 1989)                     | 153                | Hip replace               |
| 9                     | 8154                 | TOTAL KNEE REPLACEMENT (Begin 1989)                     | 152                | Arthropl kne              |
| 9                     | 8155                 | REVISE KNEE REPLACEMENT (Begin 1989)                    | 152                | Arthropl kne              |
| 9                     | 8156                 | TOTAL ANKLE REPLACEMENT (Begin 1989)                    | 154                | Ot arthropla              |
| 9                     | 8157                 | REPL JOINT OF FOOT; TOE (Begin 1989)                    | 154                | Ot arthropla              |
| 9                     | 8159                 | REV OF JOINT REPLACE OF LOWER EXT NEC (Begin 1989)      | 154                | Ot arthropla              |
| 9                     | 8161                 | SPINAL FUSION SINGLE INCISION APP (Begin 2002 End 2005) | 158                | Spinal fus                |

The list of ICD-9 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 9                     | 8162                 | FUSION OR REFUSION OF 2-3 VERTEBRAE (Begin 2003)       | 158                | Spinal fus                |
| 9                     | 8163                 | FUSION OR REFUSION OF 4-8 VERTEBRAE (Begin 2003)       | 158                | Spinal fus                |
| 9                     | 8164                 | FUSION OR REFUSION OF 9 OR MORE VERTEBRAE (Begin 2003) | 158                | Spinal fus                |
| 9                     | 8169                 | OTH HIP REPAIR (Begin 1980 End 1989)                   | 153                | Hip replace               |
| 9                     | 8171                 | ARTHROPLAS (HAND/FINGR)WIT(Begin 1989)                 | 154                | Ot arthropla              |
| 9                     | 8172                 | ARTHROPLASTY METACAR W/O (Begin 1989)                  | 154                | Ot arthropla              |
| 9                     | 8173                 | TOTAL WRIST REPLACEMENT (Begin 1989)                   | 154                | Ot arthropla              |
| 9                     | 8174                 | ARTHROPLASTY CARPAL WIT (Begin 1989)                   | 154                | Ot arthropla              |
| 9                     | 8175                 | ARTHROPLASTY CARPAL W/O (Begin 1989)                   | 154                | Ot arthropla              |
| 9                     | 8179                 | OTH REPAIR (HAND/FINGR)(Begin 1989)                    | 154                | Ot arthropla              |
| 9                     | 8180                 | TOTAL SHOULDER REPLACE (Begin 1989)                    | 154                | Ot arthropla              |
| 9                     | 8181                 | (ARTHRLST) SHOULDER WIT(Begin 1989)                    | 154                | Ot arthropla              |
| 9                     | 8182                 | REP RECUR SHLDER DISLOC                                | 154                | Ot arthropla              |
| 9                     | 8183                 | SHOULDER ARTHROPLAST NEC                               | 154                | Ot arthropla              |
| 9                     | 8184                 | ARTHRLST ELBOW WIT (Begin 1989)                        | 154                | Ot arthropla              |
| 9                     | 8185                 | ELBOW ARTHROPLASTY NEC                                 | 154                | Ot arthropla              |
| 9                     | 8186                 | ARTHRLST CARPALS WIT (Begin 1980 End 1989)             | 154                | Ot arthropla              |
| 9                     | 8187                 | OTH REPAIR WRIST (Begin 1980 End 1989)                 | 154                | Ot arthropla              |
| 9                     | 8188                 | Rvrs totl shldr replacmnt (Begin 2010)                 | 154                | Ot arthropla              |
| 9                     | 8197                 | REVIS UP EXTR INT REPL (Begin 1992)                    | 154                | Ot arthropla              |
| 9                     | 8321                 | SOFT TISSUE BIOPSY                                     | 159                | Dx prs muscu              |
| 9                     | 8329                 | SOFT TISSUE DX PROC NEC                                | 159                | Dx prs muscu              |
| 9                     | 8410                 | LOWER LIMB AMPUTAT NOS                                 | 157                | Amputat leg               |
| 9                     | 8411                 | TOE AMPUTATION   | 157                | Amputat leg               |
| 9                     | 8412                 | AMPUTATION THROUGH FOOT                                | 157                | Amputat leg               |
| 9                     | 8413                 | DISARTICULATION OF ANKLE                               | 157                | Amputat leg               |
| 9                     | 8414                 | AMPUTAT THROUGH MALLEOU                                | 157                | Amputat leg               |
| 9                     | 8415                 | BELOW KNEE AMPUTAT NEC                                 | 157                | Amputat leg               |
| 9                     | 8416                 | DISARTICULATION OF KNEE                                | 157                | Amputat leg               |
| 9                     | 8417                 | ABOVE KNEE AMPUTATION                                  | 157                | Amputat leg               |
| 9                     | 8418                 | DISARTICULATION OF HIP                                 | 157                | Amputat leg               |
| 9                     | 8419                 | HINDQUARTER AMPUTATION                                 | 157                | Amputat leg               |
| 9                     | 8451                 | INSERT INTERBODY SPINAL FUSION DEVICE (Begin 2002)     | 158                | Spinal fus                |
| 9                     | 8458                 | IMP INTRSPINE DECOMP DEV (Begin 2005) (End 2007)       | 9                  | Ot OR nervy               |
| 9                     | 8459                 | INSERT OTHR SPIN DEVICE (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8460                 | INSERT DISC PROS NOS (Begin 2004)                      | 3                  | Laminectomy               |
| 9                     | 8461                 | INS PART DISC PROS CERV (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8462                 | INS TOT DISC PROST CERV (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8463                 | INS SPIN DISC PROS THOR (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8464                 | INS PART DISC PROS LUMB (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8465                 | INS TOTL DISC PROS LUMB (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8466                 | REVISE DISC PROST CERV (Begin 2004)                    | 3                  | Laminectomy               |
| 9                     | 8467                 | REVISE DISC PROST THORA (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8468                 | REVISE DSIC PROSTH LUMB (Begin 2004)                   | 3                  | Laminectomy               |
| 9                     | 8469                 | REVISE DISC PROSTH NOS (Begin 2004)                    | 3                  | Laminectomy               |
| 9                     | 8480                 | INS/REPL INTERSPINE DEV (Begin 2007)                   | 3                  | Laminectomy               |
| 9                     | 8481                 | REV INTERSPINE DEVICE (Begin 2007)                     | 3                  | Laminectomy               |
| 9                     | 8482                 | INS/REPL PDCL STABIL DEV (Begin 2007)                  | 3                  | Laminectomy               |
| 9                     | 8483                 | REV PEDCL DYN STABIL DEV (Begin 2007)                  | 3                  | Laminectomy               |
| 9                     | 8484                 | INS/REPL FACET REPLC DEV (Begin 2007)                  | 3                  | Laminectomy               |
| 9                     | 8485                 | REV FACET REPLACE DEVICE (Begin 2007)                  | 3                  | Laminectomy               |
| 9                     | 8520                 | BREAST TISSU DESTRUC NOS                               | 166                | Lumpectomy                |
| 9                     | 8521                 | LOCAL EXCIS BREAST LES                                 | 166                | Lumpectomy                |
| 9                     | 8522                 | QUADRANT RESECT BREAST                                 | 166                | Lumpectomy                |
| 9                     | 8523                 | SUBTOTAL MASTECTOMY                                    | 166                | Lumpectomy                |
| 9                     | 8541                 | UNILAT SIMPLE MASTECTOMY                               | 167                | Mastectomy                |
| 9                     | 8542                 | BILAT SIMPLE MASTECTOMY                                | 167                | Mastectomy                |
| 9                     | 8543                 | UNILAT EXTEN SIMP MASTECC                              | 167                | Mastectomy                |
| 9                     | 8544                 | BILAT EXTEND SIMP MASTECC                              | 167                | Mastectomy                |
| 9                     | 8545                 | UNILAT RADICAL MASTECTOM                               | 167                | Mastectomy                |
| 9                     | 8546                 | BILAT RADICAL MASTECTOMY                               | 167                | Mastectomy                |
| 9                     | 8547                 | UNIL EXT RAD MASTECTOMY                                | 167                | Mastectomy                |
| 9                     | 8548                 | BIL EXTEN RAD MASTECTOMY                               | 167                | Mastectomy                |
| 9                     | 8622                 | WOUND DEBRIDEMENT (Begin 1988)                         | 169                | Debrid wound              |
| 9                     | 8628                 | NONEXCIS DEBRIDEMENT WND (Begin 1988)                  | 169                | Debrid wound              |
| 9                     | 863                  | OTHER LOCAL DESTRUC SKIN                               | 170                | Excis skin                |
| 9                     | 864                  | RADICAL EXCIS SKIN LES                                 | 170                | Excis skin                |
| 9                     | 8660                 | FREE SKIN GRAFT NOS                                    | 172                | Skin graft                |
| 9                     | 8661                 | FULL-THICK HAND SKIN GRF                               | 172                | Skin graft                |
| 9                     | 8662                 | HAND SKIN GRAFT NEC                                    | 172                | Skin graft                |
| 9                     | 8663                 | FULL-THICK SKIN GRFT NEC                               | 172                | Skin graft                |
| 9                     | 8664                 | HAIR TRANSPLANT  | 172                | Skin graft                |
| 9                     | 8665                 | HETEROGRAFT TO SKIN                                    | 172                | Skin graft                |
| 9                     | 8666                 | HOMOGRAFT TO SKIN                                      | 172                | Skin graft                |
| 9                     | 8667                 | DERMAL REGENERATIVE GRAFT (Begin 1998)                 | 172                | Skin graft                |
| 9                     | 8669                 | FREE SKIN GRAFT NEC                                    | 172                | Skin graft                |
| 9                     | 8670                 | PEDICLE GRAFT/FLAP NOS                                 | 172                | Skin graft                |
| 9                     | 8671                 | CUT & PREP PEDICLE GRAFT                               | 172                | Skin graft                |
| 9                     | 8672                 | PEDICLE GRAFT ADVANCEMEN                               | 172                | Skin graft                |
| 9                     | 8673                 | ATTACH PEDICLE TO HAND                                 | 172                | Skin graft                |
| 9                     | 8674                 | ATTACH PEDICLE GRAFT NEC                               | 172                | Skin graft                |
| 9                     | 8675                 | REVISION OF PEDICLE GRFT                               | 172                | Skin graft                |
| 9                     | 8694                 | INS/REPL SINGLE PUL GEN (Begin 2004)                   | 9                  | Ot OR nerv                |
| 9                     | 8695                 | INS/REPL DUAL PULSE GEN (Begin 2004)                   | 9                  | Ot OR nerv                |
| 9                     | 8696                 | INSERT/REPL OTH NEUROST (Begin 2004)                   | 9                  | Ot OR nerv                |
| 9                     | 8697                 | INS/REP 1 PUL GEN (Begin 2005)                         | 9                  | Ot OR nerv                |
| 9                     | 8698                 | INS/REP 2 PUL GEN (Begin 2005)                         | 9                  | Ot OR nerv                |
| 9                     | 8852                 | RT HEART ANGIOCARDIOGRAM                               | 47                 | Cardiac cath              |
| 9                     | 8853                 | LT HEART ANGIOCARDIOGRAM                               | 47                 | Cardiac cath              |
| 9                     | 8854                 | RT & LT HEART ANGIOCARD                                | 47                 | Cardiac cath              |
| 9                     | 8855                 | CORONAR ARTERIOGR-1 CATH                               | 47                 | Cardiac cath              |
| 9                     | 8856                 | CORONAR ARTERIOGR-2 CATH                               | 47                 | Cardiac cath              |
| 9                     | 8857                 | CORONARY ARTERIOGRAM NEC                               | 47                 | Cardiac cath              |
| 9                     | 9220                 | INF LIQUID BRACHY ISOTOP (Begin 2005)                  | 211                | Radiation therapy         |
| 9                     | 9221                 | SUPERFICIAL RADIATION                                  | 211                | Radiation therapy         |
| 9                     | 9222                 | ORTHOVOLTAGE RADIATION                                 | 211                | Radiation therapy         |
| 9                     | 9223                 | RADIOISOT TOLERADIOOTHER                               | 211                | Radiation therapy         |
| 9                     | 9224                 | TELERADIO (PROTONS) (Begin 1991)                       | 211                | Radiation therapy         |
| 9                     | 9225                 | ELECTRON TELERADIOOTHERAP                              | 211                | Radiation therapy         |
| 9                     | 9226                 | PARTICUL TELERADIOOTHERAP                              | 211                | Radiation therapy         |
| 9                     | 9227                 | RADIOACTIVE ELEM IMPLANT                               | 211                | Radiation therapy         |
| 9                     | 9228                 | ISOTOPE INJECT/INSTILL                                 | 211                | Radiation therapy         |
| 9                     | 9229                 | RADIOOTHERAPEUT PROC NEC                               | 211                | Radiation therapy         |
| 9                     | 9241                 | INTRA-OP ELECTRON RAD RX (Begin 2007)                  | 211                | Radiation therapy         |
| 9                     | 9426                 | SUBCONVULSIVE EST                                      | 218                | Psych Dx Rx               |
| 9                     | 9427                 | ELECTROSHOCK THERAPY NEC                               | 218                | Psych Dx Rx               |
| 9                     | 9851                 | ESWL KID/URETER/BLADDER (Begin 1989)                   | 107                | Lithotrip ur              |
| 9                     | 9925                 | INJECT CA CHEMOTHER NEC                                | 224                | CA chemoRx                |
| 9                     | 9928                 | ANTINEOPLASTIC IMMUNOTHERAPY (Begin 1994)              | 224                | CA chemoRx                |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 00500ZZ              | Destruction of Brain, Open Approach                            | 9                  | Other OR therapeu          |
| 10                    | 00503ZZ              | Destruction of Brain, Percutaneous Approach                    | 9                  | Other OR therapeu          |
| 10                    | 00504ZZ              | Destruction of Brain, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu          |
| 10                    | 00510ZZ              | Destruction of Cerebral Meninges, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 00513ZZ              | Destruction of Cerebral Meninges, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 00514ZZ              | Destruction of Cerebral Meninges, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 00520ZZ              | Destruction of Dura Mater, Open Approach                       | 9                  | Other OR therapeu          |
| 10                    | 00523ZZ              | Destruction of Dura Mater, Percutaneous Approach               | 9                  | Other OR therapeu          |
| 10                    | 00524ZZ              | Destruction of Dura Mater, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu          |
| 10                    | 00560ZZ              | Destruction of Cerebral Ventricle, Open Approach               | 9                  | Other OR therapeu          |
| 10                    | 00563ZZ              | Destruction of Cerebral Ventricle, Percutaneous Approach       | 9                  | Other OR therapeu          |
| 10                    | 00564ZZ              | Destruction of Cerebral Ventricle, Perc Endo Approach          | 9                  | Other OR therapeu          |
| 10                    | 00570ZZ              | Destruction of Cerebral Hemisphere, Open Approach              | 9                  | Other OR therapeu          |
| 10                    | 00573ZZ              | Destruction of Cerebral Hemisphere, Percutaneous Approach      | 9                  | Other OR therapeu          |
| 10                    | 00574ZZ              | Destruction of Cerebral Hemisphere, Perc Endo Approach         | 9                  | Other OR therapeu          |
| 10                    | 00580ZZ              | Destruction of Basal Ganglia, Open Approach                    | 9                  | Other OR therapeu          |
| 10                    | 00583ZZ              | Destruction of Basal Ganglia, Percutaneous Approach            | 9                  | Other OR therapeu          |
| 10                    | 00584ZZ              | Destruction of Basal Ganglia, Perc Endo Approach               | 9                  | Other OR therapeu          |
| 10                    | 00590ZZ              | Destruction of Thalamus, Open Approach                         | 9                  | Other OR therapeu          |
| 10                    | 00593ZZ              | Destruction of Thalamus, Percutaneous Approach                 | 9                  | Other OR therapeu          |
| 10                    | 00594ZZ              | Destruction of Thalamus, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu          |
| 10                    | 005A0ZZ              | Destruction of Hypothalamus, Open Approach                     | 9                  | Other OR therapeu          |
| 10                    | 005A3ZZ              | Destruction of Hypothalamus, Percutaneous Approach             | 9                  | Other OR therapeu          |
| 10                    | 005A4ZZ              | Destruction of Hypothalamus, Perc Endo Approach                | 9                  | Other OR therapeu          |
| 10                    | 005B0ZZ              | Destruction of Pons, Open Approach                             | 9                  | Other OR therapeu          |
| 10                    | 005B3ZZ              | Destruction of Pons, Percutaneous Approach                     | 9                  | Other OR therapeu          |
| 10                    | 005B4ZZ              | Destruction of Pons, Percutaneous Endoscopic Approach          | 9                  | Other OR therapeu          |
| 10                    | 005C0ZZ              | Destruction of Cerebellum, Open Approach                       | 9                  | Other OR therapeu          |
| 10                    | 005C3ZZ              | Destruction of Cerebellum, Percutaneous Approach               | 9                  | Other OR therapeu          |
| 10                    | 005C4ZZ              | Destruction of Cerebellum, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu          |
| 10                    | 005D0ZZ              | Destruction of Medulla Oblongata, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 005D3ZZ              | Destruction of Medulla Oblongata, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 005D4ZZ              | Destruction of Medulla Oblongata, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 005T0ZZ              | Destruction of Spinal Meninges, Open Approach                  | 9                  | Other OR therapeu          |
| 10                    | 005T3ZZ              | Destruction of Spinal Meninges, Percutaneous Approach          | 9                  | Other OR therapeu          |
| 10                    | 005T4ZZ              | Destruction of Spinal Meninges, Perc Endo Approach             | 9                  | Other OR therapeu          |
| 10                    | 005W0ZZ              | Destruction of Cervical Spinal Cord, Open Approach             | 9                  | Other OR therapeu          |
| 10                    | 005W3ZZ              | Destruction of Cervical Spinal Cord, Percutaneous Approach     | 9                  | Other OR therapeu          |
| 10                    | 005W4ZZ              | Destruction of Cervical Spinal Cord, Perc Endo Approach        | 9                  | Other OR therapeu          |
| 10                    | 005X0ZZ              | Destruction of Thoracic Spinal Cord, Open Approach             | 9                  | Other OR therapeu          |
| 10                    | 005X3ZZ              | Destruction of Thoracic Spinal Cord, Percutaneous Approach     | 9                  | Other OR therapeu          |
| 10                    | 005X4ZZ              | Destruction of Thoracic Spinal Cord, Perc Endo Approach        | 9                  | Other OR therapeu          |
| 10                    | 005Y0ZZ              | Destruction of Lumbar Spinal Cord, Open Approach               | 9                  | Other OR therapeu          |
| 10                    | 005Y3ZZ              | Destruction of Lumbar Spinal Cord, Percutaneous Approach       | 9                  | Other OR therapeu          |
| 10                    | 005Y4ZZ              | Destruction of Lumbar Spinal Cord, Perc Endo Approach          | 9                  | Other OR therapeu          |
| 10                    | 008W0ZZ              | Division of Cervical Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 008W3ZZ              | Division of Cervical Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 008W4ZZ              | Division of Cervical Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 008X0ZZ              | Division of Thoracic Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 008X3ZZ              | Division of Thoracic Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 008X4ZZ              | Division of Thoracic Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 008Y0ZZ              | Division of Lumbar Spinal Cord, Open Approach                  | 9                  | Other OR therapeu          |
| 10                    | 008Y3ZZ              | Division of Lumbar Spinal Cord, Percutaneous Approach          | 9                  | Other OR therapeu          |
| 10                    | 008Y4ZZ              | Division of Lumbar Spinal Cord, Perc Endo Approach             | 9                  | Other OR therapeu          |
| 10                    | 009T00Z              | Drainage of Spinal Meninges with Drain Dev, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 009T0ZZ              | Drainage of Spinal Meninges, Open Approach                     | 9                  | Other OR therapeu          |
| 10                    | 009T30Z              | Drainage of Spinal Meninges with Drain Dev, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 009T3ZZ              | Drainage of Spinal Meninges, Percutaneous Approach             | 9                  | Other OR therapeu          |
| 10                    | 009T40Z              | Drain of Spinal Meninges with Drain Dev, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 009T4ZZ              | Drainage of Spinal Meninges, Perc Endo Approach                | 9                  | Other OR therapeu          |
| 10                    | 009U00Z              | Drainage of Spinal Canal with Drainage Device, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 009U0ZZ              | Drainage of Spinal Canal, Open Approach                        | 9                  | Other OR therapeu          |
| 10                    | 009W00Z              | Drainage of Cerv Spinal Cord with Drain Dev, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 009W0ZZ              | Drainage of Cervical Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 009W30Z              | Drainage of Cerv Spinal Cord with Drain Dev, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 009W3ZZ              | Drainage of Cervical Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 009W40Z              | Drain of Cerv Spinal Cord with Drain Dev, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 009W4ZZ              | Drainage of Cervical Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 009X00Z              | Drainage of Thor Spinal Cord with Drain Dev, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 009X0ZZ              | Drainage of Thoracic Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 009X30Z              | Drainage of Thor Spinal Cord with Drain Dev, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 009X3ZZ              | Drainage of Thoracic Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 009X40Z              | Drain of Thor Spinal Cord with Drain Dev, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 009X4ZZ              | Drainage of Thoracic Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 009Y00Z              | Drainage of Lumbar Spinal Cord with Drain Dev, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 009Y0ZZ              | Drainage of Lumbar Spinal Cord, Open Approach                  | 9                  | Other OR therapeu          |
| 10                    | 009Y30Z              | Drainage of Lumbar Spinal Cord with Drain Dev, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 009Y3ZZ              | Drainage of Lumbar Spinal Cord, Percutaneous Approach          | 9                  | Other OR therapeu          |
| 10                    | 009Y40Z              | Drain of Lum Spinal Cord with Drain Dev, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 009Y4ZZ              | Drainage of Lumbar Spinal Cord, Perc Endo Approach             | 9                  | Other OR therapeu          |
| 10                    | 008W0ZZ              | Excision of Cervical Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 008W3ZZ              | Excision of Cervical Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 008W4ZZ              | Excision of Cervical Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 008X0ZZ              | Excision of Thoracic Spinal Cord, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 008X3ZZ              | Excision of Thoracic Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 008X4ZZ              | Excision of Thoracic Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 008Y0ZZ              | Excision of Lumbar Spinal Cord, Open Approach                  | 9                  | Other OR therapeu          |
| 10                    | 008Y3ZZ              | Excision of Lumbar Spinal Cord, Percutaneous Approach          | 9                  | Other OR therapeu          |
| 10                    | 008Y4ZZ              | Excision of Lumbar Spinal Cord, Perc Endo Approach             | 9                  | Other OR therapeu          |
| 10                    | 00C00ZZ              | Extirpation of Matter from Brain, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 00C03ZZ              | Extirpation of Matter from Brain, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 00C04ZZ              | Extirpation of Matter from Brain, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 00C10ZZ              | Extirpation of Matter from Cerebral Meninges, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00C13ZZ              | Extirpation of Matter from Cerebral Meninges, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00C14ZZ              | Extirpate of Matter from Cerebral Meninges, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 00C20ZZ              | Extirpation of Matter from Dura Mater, Open Approach           | 9                  | Other OR therapeu          |
| 10                    | 00C23ZZ              | Extirpation of Matter from Dura Mater, Percutaneous Approach   | 9                  | Other OR therapeu          |
| 10                    | 00C24ZZ              | Extirpation of Matter from Dura Mater, Perc Endo Approach      | 9                  | Other OR therapeu          |
| 10                    | 00C30ZZ              | Extirpation of Matter from Epidural Space, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C33ZZ              | Extirpation of Matter from Epidural Space, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C34ZZ              | Extirpate of Matter from Epidural Space, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00C40ZZ              | Extirpation of Matter from Subdural Space, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C43ZZ              | Extirpation of Matter from Subdural Space, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C44ZZ              | Extirpate of Matter from Subdural Space, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00C50ZZ              | Extirpation of Matter from Subarachnoid Space, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00C53ZZ              | Extirpation of Matter from Subarachnoid Space, Perc Approach   | 9                  | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 00C54Z               | Extirpate of Matter from Subarach Space, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 00C60Z               | Extirpation of Matter from Cerebral Ventricle, Open Approa  | 9                  | Other OR therapeu          |
| 10                    | 00C63Z               | Extirpation of Matter from Cerebral Ventricle, Perc Approa  | 9                  | Other OR therapeu          |
| 10                    | 00C64Z               | Extirpation of Matter from Cereb Vent, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00C70Z               | Extirpation of Matter from Cereb Hemis, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C73Z               | Extirpation of Matter from Cereb Hemis, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 00C74Z               | Extirpation of Matter from Cereb Hemis, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00C80Z               | Extirpation of Matter from Basal Ganglia, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00C83Z               | Extirpation of Matter from Basal Ganglia, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00C84Z               | Extirpation of Matter from Basal Ganglia, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00C90Z               | Extirpation of Matter from Thalamus, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00C93Z               | Extirpation of Matter from Thalamus, Percutaneous Approach  | 9                  | Other OR therapeu          |
| 10                    | 00C94Z               | Extirpation of Matter from Thalamus, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00CA0Z               | Extirpation of Matter from Hypothalamus, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00CA3Z               | Extirpation of Matter from Hypothalamus, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00CA4Z               | Extirpation of Matter from Hypothalamus, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CB0Z               | Extirpation of Matter from Pons, Open Approach              | 9                  | Other OR therapeu          |
| 10                    | 00CB3Z               | Extirpation of Matter from Pons, Percutaneous Approach      | 9                  | Other OR therapeu          |
| 10                    | 00CB4Z               | Extirpation of Matter from Pons, Perc Endo Approach         | 9                  | Other OR therapeu          |
| 10                    | 00CC0Z               | Extirpation of Matter from Cerebellum, Open Approach        | 9                  | Other OR therapeu          |
| 10                    | 00CC3Z               | Extirpation of Matter from Cerebellum, Percutaneous Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CC4Z               | Extirpation of Matter from Cerebellum, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CD0Z               | Extirpation of Matter from Medulla Oblongata, Open Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CD3Z               | Extirpation of Matter from Medulla Oblongata, Perc Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CD4Z               | Extirpate of Matter from Medulla Oblong, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 00CF0Z               | Extirpation of Matter from Olfactory Nerve, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CF3Z               | Extirpation of Matter from Olfactory Nerve, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CF4Z               | Extirpation of Matter from Olfact Nrv, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CG0Z               | Extirpation of Matter from Optic Nerve, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 00CG3Z               | Extirpation of Matter from Optic Nerve, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 00CG4Z               | Extirpation of Matter from Optic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CH0Z               | Extirpation of Matter from Oculomotor Nerve, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CH3Z               | Extirpation of Matter from Oculomotor Nerve, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CH4Z               | Extirpate of Matter from Oculomotor Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CJ0Z               | Extirpation of Matter from Trochlear Nerve, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CJ3Z               | Extirpation of Matter from Trochlear Nerve, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CJ4Z               | Extirpation of Matter from Trochlear Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CK0Z               | Extirpation of Matter from Trigeminal Nerve, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CK3Z               | Extirpation of Matter from Trigeminal Nerve, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CK4Z               | Extirpation of Matter from Trigem Nrv, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CL0Z               | Extirpation of Matter from Abducens Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CL3Z               | Extirpation of Matter from Abducens Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CL4Z               | Extirpation of Matter from Abducen Nrv, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CM0Z               | Extirpation of Matter from Facial Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00CM3Z               | Extirpation of Matter from Facial Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00CM4Z               | Extirpation of Matter from Facial Nerve, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CN0Z               | Extirpation of Matter from Acoustic Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CN3Z               | Extirpation of Matter from Acoustic Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CN4Z               | Extirpation of Matter from Acoust Nrv, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CP0Z               | Extirpation of Matter from Glossophar Nrv, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CP3Z               | Extirpation of Matter from Glossophar Nrv, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00CP4Z               | Extirpate of Matter from Glossophar Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CQ0Z               | Extirpation of Matter from Vagus Nerve, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 00CQ3Z               | Extirpation of Matter from Vagus Nerve, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 00CQ4Z               | Extirpation of Matter from Vagus Nerve, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CR0Z               | Extirpation of Matter from Accessory Nerve, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CR3Z               | Extirpation of Matter from Accessory Nerve, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CR4Z               | Extirpation of Matter from Accessory Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CS0Z               | Extirpation of Matter from Hypoglossal Nerve, Open Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CS3Z               | Extirpation of Matter from Hypoglossal Nerve, Perc Approac  | 9                  | Other OR therapeu          |
| 10                    | 00CS4Z               | Extirpation of Matter from Hypogloss Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CT0Z               | Extirpation of Matter from Spinal Meninges, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CT3Z               | Extirpation of Matter from Spinal Meninges, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00CT4Z               | Extirpate of Matter from Spinal Meninges, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CW0Z               | Extirpation of Matter from Cerv Spinal Cord, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CW3Z               | Extirpation of Matter from Cerv Spinal Cord, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CW4Z               | Extirpate matter from Cerv Spinal Cord, Perc Endo           | 9                  | Other OR therapeu          |
| 10                    | 00CX0Z               | Extirpation of Matter from Thor Spinal Cord, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CX3Z               | Extirpation of Matter from Thor Spinal Cord, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 00CX4Z               | Extirpate matter from Thor Spinal Cord, Perc Endo           | 9                  | Other OR therapeu          |
| 10                    | 00CY0Z               | Extirpation of Matter from Lumbar Spinal Cord, Open Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CY3Z               | Extirpation of Matter from Lumbar Spinal Cord, Perc Approa  | 9                  | Other OR therapeu          |
| 10                    | 00CY4Z               | Extirpate of Matter from Lum Spinal Cord, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 00F30Z               | Fragmentation in Epidural Space, Open Approach              | 9                  | Other OR therapeu          |
| 10                    | 00F33Z               | Fragmentation in Epidural Space, Percutaneous Approach      | 9                  | Other OR therapeu          |
| 10                    | 00F34Z               | Fragmentation in Epidural Space, Perc Endo Approach         | 9                  | Other OR therapeu          |
| 10                    | 00F40Z               | Fragmentation in Subdural Space, Open Approach              | 9                  | Other OR therapeu          |
| 10                    | 00F43Z               | Fragmentation in Subdural Space, Percutaneous Approach      | 9                  | Other OR therapeu          |
| 10                    | 00F44Z               | Fragmentation in Subdural Space, Perc Endo Approach         | 9                  | Other OR therapeu          |
| 10                    | 00F50Z               | Fragmentation in Subarachnoid Space, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00F53Z               | Fragmentation in Subarachnoid Space, Percutaneous Approach  | 9                  | Other OR therapeu          |
| 10                    | 00F54Z               | Fragmentation in Subarachnoid Space, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00F60Z               | Fragmentation in Cerebral Ventricle, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00F63Z               | Fragmentation in Cerebral Ventricle, Percutaneous Approach  | 9                  | Other OR therapeu          |
| 10                    | 00F64Z               | Fragmentation in Cerebral Ventricle, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00FU0Z               | Fragmentation in Spinal Canal, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 00FU3Z               | Fragmentation in Spinal Canal, Percutaneous Approach        | 9                  | Other OR therapeu          |
| 10                    | 00FU4Z               | Fragmentation in Spinal Canal, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 00H00Z               | Insertion of Infusion Device into Brain, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00H00MZ              | Insertion of Neurostimulator Lead into Brain, Open Approac  | 9                  | Other OR therapeu          |
| 10                    | 00H03Z               | Insertion of Infusion Device into Brain, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00H03MZ              | Insertion of Neurostimulator Lead into Brain, Perc Approac  | 9                  | Other OR therapeu          |
| 10                    | 00H04Z               | Insertion of Infusion Device into Brain, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00H04MZ              | Insertion of Neuro Lead into Brain, Perc Endo Approach      | 9                  | Other OR therapeu          |
| 10                    | 00H60Z               | Insertion of Infusion Device into Cereb Vent, Open Approac  | 9                  | Other OR therapeu          |
| 10                    | 00H60MZ              | Insertion of Neuro Lead into Cereb Vent, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00H63Z               | Insertion of Infusion Device into Cereb Vent, Perc Approac  | 9                  | Other OR therapeu          |
| 10                    | 00H63MZ              | Insertion of Neuro Lead into Cereb Vent, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00H64Z               | Insert of Infusion Dev into Cereb Vent, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00H64MZ              | Insertion of Neuro Lead into Cereb Vent, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00HE0Z               | Insertion of Infusion Device into Cranial Nrv, Open Approa  | 9                  | Other OR therapeu          |
| 10                    | 00HE0MZ              | Insertion of Neuro Lead into Cranial Nrv, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00HE3Z               | Insertion of Infusion Device into Cranial Nrv, Perc Approa  | 9                  | Other OR therapeu          |
| 10                    | 00HE3MZ              | Insertion of Neuro Lead into Cranial Nrv, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00HE4Z               | Insert of Infusion Dev into Cranial Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 00HE4MZ              | Insertion of Neuro Lead into Cranial Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 00HU03Z              | Insertion of infusion Dev into Spinal Canal, Open Approach | 5                  | Insertion of cath         |
| 10                    | 00HU0MZ              | Insertion of Neuro Lead into Spinal Canal, Open Approach   | 5                  | Insertion of cath         |
| 10                    | 00HU33Z              | Insertion of infusion Dev into Spinal Canal, Perc Approach | 5                  | Insertion of cath         |
| 10                    | 00HU3MZ              | Insertion of Neuro Lead into Spinal Canal, Perc Approach   | 5                  | Insertion of cath         |
| 10                    | 00HU43Z              | Insert of infusion Dev into Spinal Canal, Perc Endo Approa | 5                  | Insertion of cath         |
| 10                    | 00HU4MZ              | Insert of Neuro Lead into Spinal Canal, Perc Endo Approach | 5                  | Insertion of cath         |
| 10                    | 00HV03Z              | Insertion of infusion Device into Spinal Cord, Open Approa | 5                  | Insertion of cath         |
| 10                    | 00HV0MZ              | Insertion of Neuro Lead into Spinal Cord, Open Approach    | 5                  | Insertion of cath         |
| 10                    | 00HV33Z              | Insertion of infusion Device into Spinal Cord, Perc Approa | 5                  | Insertion of cath         |
| 10                    | 00HV3MZ              | Insertion of Neuro Lead into Spinal Cord, Perc Approach    | 5                  | Insertion of cath         |
| 10                    | 00HV43Z              | Insert of infusion Dev into Spinal Cord, Perc Endo Approac | 5                  | Insertion of cath         |
| 10                    | 00HV4MZ              | Insertion of Neuro Lead into Spinal Cord, Perc Endo Approa | 5                  | Insertion of cath         |
| 10                    | 00N00ZZ              | Release Brain, Open Approach                               | 9                  | Other OR therapeu         |
| 10                    | 00N03ZZ              | Release Brain, Percutaneous Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00N04ZZ              | Release Brain, Percutaneous Endoscopic Approach            | 9                  | Other OR therapeu         |
| 10                    | 00N10ZZ              | Release Cerebral Meninges, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00N13ZZ              | Release Cerebral Meninges, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00N14ZZ              | Release Cerebral Meninges, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 00N20ZZ              | Release Dura Mater, Open Approach                          | 9                  | Other OR therapeu         |
| 10                    | 00N23ZZ              | Release Dura Mater, Percutaneous Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00N24ZZ              | Release Dura Mater, Percutaneous Endoscopic Approach       | 9                  | Other OR therapeu         |
| 10                    | 00N60ZZ              | Release Cerebral Ventricle, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00N63ZZ              | Release Cerebral Ventricle, Percutaneous Approach          | 9                  | Other OR therapeu         |
| 10                    | 00N64ZZ              | Release Cerebral Ventricle, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 00N70ZZ              | Release Cerebral Hemisphere, Open Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00N73ZZ              | Release Cerebral Hemisphere, Percutaneous Approach         | 9                  | Other OR therapeu         |
| 10                    | 00N74ZZ              | Release Cerebral Hemisphere, Perc Endo Approach            | 9                  | Other OR therapeu         |
| 10                    | 00N80ZZ              | Release Basal Ganglia, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00N83ZZ              | Release Basal Ganglia, Percutaneous Approach               | 9                  | Other OR therapeu         |
| 10                    | 00N84ZZ              | Release Basal Ganglia, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu         |
| 10                    | 00N90ZZ              | Release Thalamus, Open Approach                            | 9                  | Other OR therapeu         |
| 10                    | 00N93ZZ              | Release Thalamus, Percutaneous Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00N94ZZ              | Release Thalamus, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu         |
| 10                    | 00NA0ZZ              | Release Hypothalamus, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00NA3ZZ              | Release Hypothalamus, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00NA4ZZ              | Release Hypothalamus, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00NB0ZZ              | Release Pons, Open Approach                                | 9                  | Other OR therapeu         |
| 10                    | 00NB3ZZ              | Release Pons, Percutaneous Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00NB4ZZ              | Release Pons, Percutaneous Endoscopic Approach             | 9                  | Other OR therapeu         |
| 10                    | 00NC0ZZ              | Release Cerebellum, Open Approach                          | 9                  | Other OR therapeu         |
| 10                    | 00NC3ZZ              | Release Cerebellum, Percutaneous Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00NC4ZZ              | Release Cerebellum, Percutaneous Endoscopic Approach       | 9                  | Other OR therapeu         |
| 10                    | 00ND0ZZ              | Release Medulla Oblongata, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00ND3ZZ              | Release Medulla Oblongata, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00ND4ZZ              | Release Medulla Oblongata, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 00NF0ZZ              | Release Olfactory Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00NF3ZZ              | Release Olfactory Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00NF4ZZ              | Release Olfactory Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00NG0ZZ              | Release Optic Nerve, Open Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00NG3ZZ              | Release Optic Nerve, Percutaneous Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00NG4ZZ              | Release Optic Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu         |
| 10                    | 00NH0ZZ              | Release Oculomotor Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00NH3ZZ              | Release Oculomotor Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00NH4ZZ              | Release Oculomotor Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00NJ0ZZ              | Release Trochlear Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00NJ3ZZ              | Release Trochlear Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00NJ4ZZ              | Release Trochlear Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00NK0ZZ              | Release Trigeminal Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00NK3ZZ              | Release Trigeminal Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00NK4ZZ              | Release Trigeminal Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00NL0ZZ              | Release Abducens Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 00NL3ZZ              | Release Abducens Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 00NL4ZZ              | Release Abducens Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 00NM0ZZ              | Release Facial Nerve, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00NM3ZZ              | Release Facial Nerve, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00NM4ZZ              | Release Facial Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00NN0ZZ              | Release Acoustic Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 00NN3ZZ              | Release Acoustic Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 00NN4ZZ              | Release Acoustic Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 00NP0ZZ              | Release Glossopharyngeal Nerve, Open Approach              | 9                  | Other OR therapeu         |
| 10                    | 00NP3ZZ              | Release Glossopharyngeal Nerve, Percutaneous Approach      | 9                  | Other OR therapeu         |
| 10                    | 00NP4ZZ              | Release Glossopharyngeal Nerve, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 00NQ0ZZ              | Release Vagus Nerve, Open Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00NQ3ZZ              | Release Vagus Nerve, Percutaneous Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00NQ4ZZ              | Release Vagus Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu         |
| 10                    | 00NR0ZZ              | Release Accessory Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00NR3ZZ              | Release Accessory Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00NR4ZZ              | Release Accessory Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00NS0ZZ              | Release Hypoglossal Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00NS3ZZ              | Release Hypoglossal Nerve, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00NS4ZZ              | Release Hypoglossal Nerve, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 00NT0ZZ              | Release Spinal Meninges, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00NT3ZZ              | Release Spinal Meninges, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00NT4ZZ              | Release Spinal Meninges, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00NW0ZZ              | Release Cervical Spinal Cord, Open Approach                | 9                  | Other OR therapeu         |
| 10                    | 00NW3ZZ              | Release Cervical Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu         |
| 10                    | 00NW4ZZ              | Release Cervical Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 00NX0ZZ              | Release Thoracic Spinal Cord, Open Approach                | 9                  | Other OR therapeu         |
| 10                    | 00NX3ZZ              | Release Thoracic Spinal Cord, Percutaneous Approach        | 9                  | Other OR therapeu         |
| 10                    | 00NX4ZZ              | Release Thoracic Spinal Cord, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 00NY0ZZ              | Release Lumbar Spinal Cord, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00NY3ZZ              | Release Lumbar Spinal Cord, Percutaneous Approach          | 9                  | Other OR therapeu         |
| 10                    | 00NY4ZZ              | Release Lumbar Spinal Cord, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 00P000Z              | Removal of Drainage Device from Brain, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00P002Z              | Removal of Monitoring Device from Brain, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00P003Z              | Removal of infusion Device from Brain, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00P007Z              | Removal of Autol Sub from Brain, Open Approach             | 9                  | Other OR therapeu         |
| 10                    | 00P00JZ              | Removal of Synthetic Substitute from Brain, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00P00KZ              | Removal of Nonaut Sub from Brain, Open Approach            | 9                  | Other OR therapeu         |
| 10                    | 00P00MZ              | Removal of Neurostimulator Lead from Brain, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00P030Z              | Removal of Drainage Device from Brain, Percutaneous Approa | 9                  | Other OR therapeu         |
| 10                    | 00P032Z              | Removal of Monitoring Device from Brain, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 00P033Z              | Removal of infusion Device from Brain, Percutaneous Approa | 9                  | Other OR therapeu         |
| 10                    | 00P037Z              | Removal of Autol Sub from Brain, Perc Approach             | 9                  | Other OR therapeu         |
| 10                    | 00P03JZ              | Removal of Synthetic Substitute from Brain, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 00P03KZ              | Removal of Nonaut Sub from Brain, Perc Approach            | 9                  | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 00P03MZ              | Removal of Neurostimulator Lead from Brain, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P040Z              | Removal of Drainage Device from Brain, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P042Z              | Removal of Monitoring Device from Brain, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00P043Z              | Removal of Infusion Device from Brain, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P047Z              | Removal of Autol Sub from Brain, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 00P04JZ              | Removal of Synth Sub from Brain, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 00P04KZ              | Removal of Nonaut Sub from Brain, Perc Endo Approach        | 9                  | Other OR therapeu         |
| 10                    | 00P04MZ              | Removal of Neuro Lead from Brain, Perc Endo Approach        | 9                  | Other OR therapeu         |
| 10                    | 00P602Z              | Removal of Monitoring Device from Cereb Vent, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 00P603Z              | Removal of Infusion Device from Cereb Vent, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P60MZ              | Removal of Neuro Lead from Cereb Vent, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00P632Z              | Removal of Monitoring Device from Cereb Vent, Perc Approach | 9                  | Other OR therapeu         |
| 10                    | 00P633Z              | Removal of Infusion Device from Cereb Vent, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P63MZ              | Removal of Neuro Lead from Cereb Vent, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00P642Z              | Removal of Monitor Dev from Cereb Vent, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00P643Z              | Removal of Infusion Dev from Cereb Vent, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00P64MZ              | Removal of Neuro Lead from Cereb Vent, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00P6X2Z              | Removal of Monitor Dev from Cereb Vent, Extern Approach     | 9                  | Other OR therapeu         |
| 10                    | 00P6XMZ              | Removal of Neuro Lead from Cereb Vent, Extern Approach      | 9                  | Other OR therapeu         |
| 10                    | 00PE00Z              | Removal of Drainage Device from Cranial Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00PE02Z              | Removal of Monitoring Device from Cranial Nrv, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00PE03Z              | Removal of Infusion Device from Cranial Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00PE07Z              | Removal of Autol Sub from Cranial Nrv, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PE0MZ              | Removal of Neuro Lead from Cranial Nrv, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PE30Z              | Removal of Drainage Device from Cranial Nerve, Perc Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PE32Z              | Removal of Monitoring Device from Cranial Nrv, Perc Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PE33Z              | Removal of Infusion Device from Cranial Nerve, Perc Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PE37Z              | Removal of Autol Sub from Cranial Nrv, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PE3MZ              | Removal of Neuro Lead from Cranial Nrv, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PE40Z              | Removal of Drain Dev from Cranial Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00PE42Z              | Removal of Monitor Dev from Cranial Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00PE43Z              | Removal of Infusion Dev from Cranial Nrv, Perc Endo Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PE47Z              | Removal of Autol Sub from Cranial Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00PE4MZ              | Removal of Neuro Lead from Cranial Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PEXMZ              | Removal of Neuro Lead from Cranial Nrv, Extern Approach     | 9                  | Other OR therapeu         |
| 10                    | 00PU00Z              | Removal of Drainage Device from Spinal Canal, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 00PU02Z              | Removal of Monitor Dev from Spinal Canal, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00PU03Z              | Removal of Infusion Device from Spinal Canal, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 00PU0JZ              | Removal of Synth Sub from Spinal Canal, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PU0MZ              | Removal of Neuro Lead from Spinal Canal, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00PU30Z              | Removal of Drainage Device from Spinal Canal, Perc Approach | 9                  | Other OR therapeu         |
| 10                    | 00PU32Z              | Removal of Monitor Dev from Spinal Canal, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 00PU33Z              | Removal of Infusion Device from Spinal Canal, Perc Approach | 9                  | Other OR therapeu         |
| 10                    | 00PU3JZ              | Removal of Synth Sub from Spinal Canal, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PU3MZ              | Removal of Neuro Lead from Spinal Canal, Perc Approach      | 9                  | Other OR therapeu         |
| 10                    | 00PU40Z              | Removal of Drain Dev from Spinal Canal, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PU42Z              | Removal of Monitor Dev from Spinal Canal, Perc Endo Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PU43Z              | Remove of Infusion Dev from Spinal Canal, Perc Endo Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PU4JZ              | Removal of Synth Sub from Spinal Canal, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PU4MZ              | Removal of Neuro Lead from Spinal Canal, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00PV00Z              | Removal of Drainage Device from Spinal Cord, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PV02Z              | Removal of Monitoring Device from Spinal Cord, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00PV03Z              | Removal of Infusion Device from Spinal Cord, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PV07Z              | Removal of Autol Sub from Spinal Cord, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PV0JZ              | Removal of Synth Sub from Spinal Cord, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PV0KZ              | Removal of Nonaut Sub from Spinal Cord, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PV0MZ              | Removal of Neuro Lead from Spinal Cord, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PV30Z              | Removal of Drainage Device from Spinal Cord, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PV32Z              | Removal of Monitoring Device from Spinal Cord, Perc Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PV33Z              | Removal of Infusion Device from Spinal Cord, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PV37Z              | Removal of Autol Sub from Spinal Cord, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PV3JZ              | Removal of Synth Sub from Spinal Cord, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00PV3KZ              | Removal of Nonaut Sub from Spinal Cord, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PV3MZ              | Removal of Neuro Lead from Spinal Cord, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 00PV40Z              | Removal of Drain Dev from Spinal Cord, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00PV42Z              | Removal of Monitor Dev from Spinal Cord, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00PV43Z              | Removal of Infusion Dev from Spinal Cord, Perc Endo Appra   | 9                  | Other OR therapeu         |
| 10                    | 00PV47Z              | Removal of Autol Sub from Spinal Cord, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00PV4JZ              | Removal of Synth Sub from Spinal Cord, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00PV4KZ              | Removal of Nonaut Sub from Spinal Cord, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00PV4MZ              | Removal of Neuro Lead from Spinal Cord, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00Q00Z               | Repair Brain, Open Approach                                 | 9                  | Other OR therapeu         |
| 10                    | 00Q03Z               | Repair Brain, Percutaneous Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00Q04Z               | Repair Brain, Percutaneous Endoscopic Approach              | 9                  | Other OR therapeu         |
| 10                    | 00Q10Z               | Repair Cerebral Meninges, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00Q13Z               | Repair Cerebral Meninges, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00Q14Z               | Repair Cerebral Meninges, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00Q20Z               | Repair Dura Mater, Open Approach                            | 9                  | Other OR therapeu         |
| 10                    | 00Q23Z               | Repair Dura Mater, Percutaneous Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00Q24Z               | Repair Dura Mater, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu         |
| 10                    | 00Q60Z               | Repair Cerebral Ventricle, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00Q63Z               | Repair Cerebral Ventricle, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00Q64Z               | Repair Cerebral Ventricle, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00Q70Z               | Repair Cerebral Hemisphere, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00Q73Z               | Repair Cerebral Hemisphere, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00Q74Z               | Repair Cerebral Hemisphere, Percutaneous Endoscopic Appra   | 9                  | Other OR therapeu         |
| 10                    | 00Q80Z               | Repair Basal Ganglia, Open Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00Q83Z               | Repair Basal Ganglia, Percutaneous Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00Q84Z               | Repair Basal Ganglia, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu         |
| 10                    | 00Q90Z               | Repair Thalamus, Open Approach                              | 9                  | Other OR therapeu         |
| 10                    | 00Q93Z               | Repair Thalamus, Percutaneous Approach                      | 9                  | Other OR therapeu         |
| 10                    | 00Q94Z               | Repair Thalamus, Percutaneous Endoscopic Approach           | 9                  | Other OR therapeu         |
| 10                    | 00QA0Z               | Repair Hypothalamus, Open Approach                          | 9                  | Other OR therapeu         |
| 10                    | 00QA3Z               | Repair Hypothalamus, Percutaneous Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00QA4Z               | Repair Hypothalamus, Percutaneous Endoscopic Approach       | 9                  | Other OR therapeu         |
| 10                    | 00Q80Z               | Repair Pons, Open Approach                                  | 9                  | Other OR therapeu         |
| 10                    | 00Q83Z               | Repair Pons, Percutaneous Approach                          | 9                  | Other OR therapeu         |
| 10                    | 00Q84Z               | Repair Pons, Percutaneous Endoscopic Approach               | 9                  | Other OR therapeu         |
| 10                    | 00QC0Z               | Repair Cerebellum, Open Approach                            | 9                  | Other OR therapeu         |
| 10                    | 00QC3Z               | Repair Cerebellum, Percutaneous Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00QC4Z               | Repair Cerebellum, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu         |
| 10                    | 00QD0Z               | Repair Medulla Oblongata, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00QD3Z               | Repair Medulla Oblongata, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00QD4Z               | Repair Medulla Oblongata, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00QF0Z               | Repair Olfactory Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00QF3Z               | Repair Olfactory Nerve, Percutaneous Approach               | 9                  | Other OR therapeu         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 00QF4ZZ              | Repair Olfactory Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00QG0ZZ              | Repair Optic Nerve, Open Approach                            | 9                  | Other OR therapeu         |
| 10                    | 00QG3ZZ              | Repair Optic Nerve, Percutaneous Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00QG4ZZ              | Repair Optic Nerve, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu         |
| 10                    | 00QH0ZZ              | Repair Oculomotor Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00QH3ZZ              | Repair Oculomotor Nerve, Percutaneous Approach               | 9                  | Other OR therapeu         |
| 10                    | 00QH4ZZ              | Repair Oculomotor Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu         |
| 10                    | 00QJ0ZZ              | Repair Trochlear Nerve, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00QJ3ZZ              | Repair Trochlear Nerve, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00QJ4ZZ              | Repair Trochlear Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00QK0ZZ              | Repair Trigeminal Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00QK3ZZ              | Repair Trigeminal Nerve, Percutaneous Approach               | 9                  | Other OR therapeu         |
| 10                    | 00QK4ZZ              | Repair Trigeminal Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu         |
| 10                    | 00QL0ZZ              | Repair Abducens Nerve, Open Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00QL3ZZ              | Repair Abducens Nerve, Percutaneous Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00QL4ZZ              | Repair Abducens Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu         |
| 10                    | 00QM0ZZ              | Repair Facial Nerve, Open Approach                           | 9                  | Other OR therapeu         |
| 10                    | 00QM3ZZ              | Repair Facial Nerve, Percutaneous Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00QM4ZZ              | Repair Facial Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapeu         |
| 10                    | 00QN0ZZ              | Repair Acoustic Nerve, Open Approach                         | 9                  | Other OR therapeu         |
| 10                    | 00QN3ZZ              | Repair Acoustic Nerve, Percutaneous Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00QN4ZZ              | Repair Acoustic Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapeu         |
| 10                    | 00QP0ZZ              | Repair Glossopharyngeal Nerve, Open Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00QP3ZZ              | Repair Glossopharyngeal Nerve, Percutaneous Approach         | 9                  | Other OR therapeu         |
| 10                    | 00QP4ZZ              | Repair Glossopharyngeal Nerve, Perc Endo Approach            | 9                  | Other OR therapeu         |
| 10                    | 00QQ0ZZ              | Repair Vagus Nerve, Open Approach                            | 9                  | Other OR therapeu         |
| 10                    | 00QQ3ZZ              | Repair Vagus Nerve, Percutaneous Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00QQ4ZZ              | Repair Vagus Nerve, Percutaneous Endoscopic Approach         | 9                  | Other OR therapeu         |
| 10                    | 00QR0ZZ              | Repair Accessory Nerve, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00QR3ZZ              | Repair Accessory Nerve, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00QR4ZZ              | Repair Accessory Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00QS0ZZ              | Repair Hypoglossal Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 00QS3ZZ              | Repair Hypoglossal Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 00QS4ZZ              | Repair Hypoglossal Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 00QT0ZZ              | Repair Spinal Meninges, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00QT3ZZ              | Repair Spinal Meninges, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00QT4ZZ              | Repair Spinal Meninges, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00QW0ZZ              | Repair Cervical Spinal Cord, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00QW3ZZ              | Repair Cervical Spinal Cord, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00QW4ZZ              | Repair Cervical Spinal Cord, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 00QX0ZZ              | Repair Thoracic Spinal Cord, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00QX3ZZ              | Repair Thoracic Spinal Cord, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00QX4ZZ              | Repair Thoracic Spinal Cord, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 00QY0ZZ              | Repair Lumbar Spinal Cord, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00QY3ZZ              | Repair Lumbar Spinal Cord, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00QY4ZZ              | Repair Lumbar Spinal Cord, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00SF0ZZ              | Reposition Olfactory Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00SF3ZZ              | Reposition Olfactory Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00SF4ZZ              | Reposition Olfactory Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00SG0ZZ              | Reposition Optic Nerve, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00SG3ZZ              | Reposition Optic Nerve, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00SG4ZZ              | Reposition Optic Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00SH0ZZ              | Reposition Oculomotor Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00SH3ZZ              | Reposition Oculomotor Nerve, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00SH4ZZ              | Reposition Oculomotor Nerve, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 00SJ0ZZ              | Reposition Trochlear Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00SJ3ZZ              | Reposition Trochlear Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00SJ4ZZ              | Reposition Trochlear Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00SK0ZZ              | Reposition Trigeminal Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 00SK3ZZ              | Reposition Trigeminal Nerve, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 00SK4ZZ              | Reposition Trigeminal Nerve, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 00SL0ZZ              | Reposition Abducens Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00SL3ZZ              | Reposition Abducens Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00SL4ZZ              | Reposition Abducens Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00SM0ZZ              | Reposition Facial Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 00SM3ZZ              | Reposition Facial Nerve, Percutaneous Approach               | 9                  | Other OR therapeu         |
| 10                    | 00SM4ZZ              | Reposition Facial Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu         |
| 10                    | 00SN0ZZ              | Reposition Acoustic Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 00SN3ZZ              | Reposition Acoustic Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 00SN4ZZ              | Reposition Acoustic Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 00SP0ZZ              | Reposition Glossopharyngeal Nerve, Open Approach             | 9                  | Other OR therapeu         |
| 10                    | 00SP3ZZ              | Reposition Glossopharyngeal Nerve, Percutaneous Approach     | 9                  | Other OR therapeu         |
| 10                    | 00SP4ZZ              | Reposition Glossopharyngeal Nerve, Perc Endo Approach        | 9                  | Other OR therapeu         |
| 10                    | 00SQ0ZZ              | Reposition Vagus Nerve, Open Approach                        | 9                  | Other OR therapeu         |
| 10                    | 00SQ3ZZ              | Reposition Vagus Nerve, Percutaneous Approach                | 9                  | Other OR therapeu         |
| 10                    | 00SQ4ZZ              | Reposition Vagus Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapeu         |
| 10                    | 00SR0ZZ              | Reposition Accessory Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 00SR3ZZ              | Reposition Accessory Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 00SR4ZZ              | Reposition Accessory Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 00SS0ZZ              | Reposition Hypoglossal Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 00SS3ZZ              | Reposition Hypoglossal Nerve, Percutaneous Approach          | 9                  | Other OR therapeu         |
| 10                    | 00SS4ZZ              | Reposition Hypoglossal Nerve, Perc Endo Approach             | 9                  | Other OR therapeu         |
| 10                    | 00SW0ZZ              | Reposition Cervical Spinal Cord, Open Approach               | 9                  | Other OR therapeu         |
| 10                    | 00SW3ZZ              | Reposition Cervical Spinal Cord, Percutaneous Approach       | 9                  | Other OR therapeu         |
| 10                    | 00SW4ZZ              | Reposition Cervical Spinal Cord, Perc Endo Approach          | 9                  | Other OR therapeu         |
| 10                    | 00SX0ZZ              | Reposition Thoracic Spinal Cord, Open Approach               | 9                  | Other OR therapeu         |
| 10                    | 00SX3ZZ              | Reposition Thoracic Spinal Cord, Percutaneous Approach       | 9                  | Other OR therapeu         |
| 10                    | 00SX4ZZ              | Reposition Thoracic Spinal Cord, Perc Endo Approach          | 9                  | Other OR therapeu         |
| 10                    | 00SY0ZZ              | Reposition Lumbar Spinal Cord, Open Approach                 | 9                  | Other OR therapeu         |
| 10                    | 00SY3ZZ              | Reposition Lumbar Spinal Cord, Percutaneous Approach         | 9                  | Other OR therapeu         |
| 10                    | 00SY4ZZ              | Reposition Lumbar Spinal Cord, Perc Endo Approach            | 9                  | Other OR therapeu         |
| 10                    | 00U107Z              | Supplement Cerebral Meninges with Autol Sub, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00U101Z              | Supplement Cerebral Meninges with Synth Sub, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00U10KZ              | Supplement Cerebral Meninges with Nonaut Sub, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00U137Z              | Supplement Cerebral Meninges with Autol Sub, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00U131Z              | Supplement Cerebral Meninges with Synth Sub, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00U13KZ              | Supplement Cerebral Meninges with Nonaut Sub, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 00U147Z              | Supplement Cereb Meninges with Autol Sub, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00U141Z              | Supplement Cereb Meninges with Synth Sub, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00U14KZ              | Supplement Cereb Meninges w Nonaut Sub, Perc Endo            | 9                  | Other OR therapeu         |
| 10                    | 00U207Z              | Supplement Dura Mater with Autol Sub, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00U201Z              | Supplement Dura Mater with Synth Sub, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00U20KZ              | Supplement Dura Mater with Nonaut Sub, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 00U237Z              | Supplement Dura Mater with Autol Sub, Perc Approach          | 9                  | Other OR therapeu         |
| 10                    | 00U231Z              | Supplement Dura Mater with Synth Sub, Perc Approach          | 9                  | Other OR therapeu         |
| 10                    | 00U23KZ              | Supplement Dura Mater with Nonaut Sub, Perc Approach         | 9                  | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 00U247Z              | Supplement Dura Mater with Autol Sub, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00U24I2              | Supplement Dura Mater with Synth Sub, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00U24KZ              | Supplement Dura Mater with Nonaut Sub, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UF07Z              | Supplement Olfactory Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UF37Z              | Supplement Olfactory Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UF47Z              | Supplement Olfact Nrv with Autol Sub, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UG07Z              | Supplement Optic Nerve with Autol Sub, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 00UG37Z              | Supplement Optic Nerve with Autol Sub, Perc Approach         | 9                  | Other OR therapeu          |
| 10                    | 00UG47Z              | Supplement Optic Nerve with Autol Sub, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UH07Z              | Supplement Oculomotor Nerve with Autol Sub, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UH37Z              | Supplement Oculomotor Nerve with Autol Sub, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UH47Z              | Supplement Oculomotor Nrv with Autol Sub, Perc Endo Approa   | 9                  | Other OR therapeu          |
| 10                    | 00UJ07Z              | Supplement Trochlear Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UJ37Z              | Supplement Trochlear Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UJ47Z              | Supplement Trochlear Nrv with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00UK07Z              | Supplement Trigeminal Nerve with Autol Sub, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UK37Z              | Supplement Trigeminal Nerve with Autol Sub, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UK47Z              | Supplement Trigem Nrv with Autol Sub, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UL07Z              | Supplement Abducens Nerve with Autol Sub, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UL37Z              | Supplement Abducens Nerve with Autol Sub, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UL47Z              | Supplement Abducens Nerve with Autol Sub, Perc Endo Approa   | 9                  | Other OR therapeu          |
| 10                    | 00UM07Z              | Supplement Facial Nerve with Autol Sub, Open Approach        | 9                  | Other OR therapeu          |
| 10                    | 00UM37Z              | Supplement Facial Nerve with Autol Sub, Perc Approach        | 9                  | Other OR therapeu          |
| 10                    | 00UM47Z              | Supplement Facial Nerve with Autol Sub, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00UN07Z              | Supplement Acoustic Nerve with Autol Sub, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UN37Z              | Supplement Acoustic Nerve with Autol Sub, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UN47Z              | Supplement Acoustic Nerve with Autol Sub, Perc Endo Approa   | 9                  | Other OR therapeu          |
| 10                    | 00UP07Z              | Supplement Glossophar Nrv with Autol Sub, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UP37Z              | Supplement Glossophar Nrv with Autol Sub, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 00UP47Z              | Supplement Glossophar Nrv with Autol Sub, Perc Endo Approa   | 9                  | Other OR therapeu          |
| 10                    | 00UQ07Z              | Supplement Vagus Nerve with Autol Sub, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 00UQ37Z              | Supplement Vagus Nerve with Autol Sub, Perc Approach         | 9                  | Other OR therapeu          |
| 10                    | 00UQ47Z              | Supplement Vagus Nerve with Autol Sub, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UR07Z              | Supplement Accessory Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UR37Z              | Supplement Accessory Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UR47Z              | Supplement Accessory Nrv with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00US07Z              | Supplement Hypoglossal Nerve with Autol Sub, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00US37Z              | Supplement Hypoglossal Nerve with Autol Sub, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00US47Z              | Supplement Hypogloss Nrv with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00UT07Z              | Supplement Spinal Meninges with Autol Sub, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UT0I2              | Supplement Spinal Meninges with Synth Sub, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UT0KZ              | Supplement Spinal Meninges with Nonaut Sub, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UT37Z              | Supplement Spinal Meninges with Autol Sub, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UT3I2              | Supplement Spinal Meninges with Synth Sub, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00UT3KZ              | Supplement Spinal Meninges with Nonaut Sub, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00UT47Z              | Supplement Spinal Meninges w Autol Sub, Perc Endo            | 9                  | Other OR therapeu          |
| 10                    | 00UT4I2              | Supplement Spinal Meninges w Synth Sub, Perc Endo            | 9                  | Other OR therapeu          |
| 10                    | 00UT4KZ              | Supplement Spinal Meninges w Nonaut Sub, Perc Endo           | 9                  | Other OR therapeu          |
| 10                    | 00W000Z              | Revision of Drainage Device in Brain, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W002Z              | Revision of Monitoring Device in Brain, Open Approach        | 9                  | Other OR therapeu          |
| 10                    | 00W003Z              | Revision of Infusion Device in Brain, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W007Z              | Revision of Autol Sub in Brain, Open Approach                | 9                  | Other OR therapeu          |
| 10                    | 00W00I2              | Revision of Synthetic Substitute in Brain, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W00KZ              | Revision of Nonaut Sub in Brain, Open Approach               | 9                  | Other OR therapeu          |
| 10                    | 00W00MZ              | Revision of Neurostimulator Lead in Brain, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W030Z              | Revision of Drainage Device in Brain, Percutaneous Approach  | 9                  | Other OR therapeu          |
| 10                    | 00W032Z              | Revision of Monitoring Device in Brain, Perc Approach        | 9                  | Other OR therapeu          |
| 10                    | 00W033Z              | Revision of Infusion Device in Brain, Percutaneous Approach  | 9                  | Other OR therapeu          |
| 10                    | 00W037Z              | Revision of Autol Sub in Brain, Perc Approach                | 9                  | Other OR therapeu          |
| 10                    | 00W03I2              | Revision of Synthetic Substitute in Brain, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W03KZ              | Revision of Nonaut Sub in Brain, Perc Approach               | 9                  | Other OR therapeu          |
| 10                    | 00W03MZ              | Revision of Neurostimulator Lead in Brain, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W040Z              | Revision of Drainage Device in Brain, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W042Z              | Revision of Monitoring Device in Brain, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00W043Z              | Revision of Infusion Device in Brain, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W047Z              | Revision of Autol Sub in Brain, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 00W04I2              | Revision of Synth Sub in Brain, Perc Endo Approach           | 9                  | Other OR therapeu          |
| 10                    | 00W04KZ              | Revision of Nonaut Sub in Brain, Perc Endo Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W04MZ              | Revision of Neuro Lead in Brain, Perc Endo Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W602Z              | Revision of Monitoring Device in Cereb Vent, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00W603Z              | Revision of Infusion Device in Cereb Vent, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W60MZ              | Revision of Neuro Lead in Cereb Vent, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W632Z              | Revision of Monitoring Device in Cereb Vent, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00W633Z              | Revision of Infusion Device in Cereb Vent, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 00W63I2              | Revision of Synth Sub in Cereb Vent, Perc Approach           | 9                  | Other OR therapeu          |
| 10                    | 00W63MZ              | Revision of Neuro Lead in Cereb Vent, Perc Approach          | 9                  | Other OR therapeu          |
| 10                    | 00W642Z              | Revision of Monitor Dev in Cereb Vent, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00W643Z              | Revision of Infusion Dev in Cereb Vent, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00W64I2              | Revision of Synth Sub in Cereb Vent, Perc Endo Approach      | 9                  | Other OR therapeu          |
| 10                    | 00W64MZ              | Revision of Neuro Lead in Cereb Vent, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00WE00Z              | Revision of Drainage Device in Cranial Nrv, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00WE02Z              | Revision of Monitoring Device in Cranial Nrv, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 00WE03Z              | Revision of Infusion Device in Cranial Nrv, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 00WE07Z              | Revision of Autol Sub in Cranial Nrv, Open Approach          | 9                  | Other OR therapeu          |
| 10                    | 00WE0MZ              | Revision of Neuro Lead in Cranial Nrv, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 00WE30Z              | Revision of Drainage Device in Cranial Nrv, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00WE32Z              | Revision of Monitoring Device in Cranial Nrv, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 00WE33Z              | Revision of Infusion Device in Cranial Nrv, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 00WE37Z              | Revision of Autol Sub in Cranial Nrv, Perc Approach          | 9                  | Other OR therapeu          |
| 10                    | 00WE3MZ              | Revision of Neuro Lead in Cranial Nrv, Perc Approach         | 9                  | Other OR therapeu          |
| 10                    | 00WE40Z              | Revision of Drain Dev in Cranial Nrv, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00WE42Z              | Revision of Monitor Dev in Cranial Nrv, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 00WE43Z              | Revision of Infusion Dev in Cranial Nrv, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 00WE47Z              | Revision of Autol Sub in Cranial Nrv, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 00WE4MZ              | Revision of Neuro Lead in Cranial Nrv, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 00WU00Z              | Revision of Drainage Device in Spinal Canal, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00WU02Z              | Revision of Monitoring Device in Spinal Canal, Open Approach | 9                  | Other OR therapeu          |
| 10                    | 00WU03Z              | Revision of Infusion Device in Spinal Canal, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 00WU0I2              | Revision of Synth Sub in Spinal Canal, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 00WU0MZ              | Revision of Neuro Lead in Spinal Canal, Open Approach        | 9                  | Other OR therapeu          |
| 10                    | 00WU30Z              | Revision of Drainage Device in Spinal Canal, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00WU32Z              | Revision of Monitoring Device in Spinal Canal, Perc Approach | 9                  | Other OR therapeu          |
| 10                    | 00WU33Z              | Revision of Infusion Device in Spinal Canal, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 00WU3I2              | Revision of Synth Sub in Spinal Canal, Perc Approach         | 9                  | Other OR therapeu          |
| 10                    | 00WU3MZ              | Revision of Neuro Lead in Spinal Canal, Perc Approach        | 9                  | Other OR therapeu          |
| 10                    | 00WU40Z              | Revision of Drain Dev in Spinal Canal, Perc Endo Approach    | 9                  | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 00WU42Z              | Revision of Monitor Dev in Spinal Canal, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00WU43Z              | Revision of Infusion Dev in Spinal Canal, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00WU44Z              | Revision of Synth Sub in Spinal Canal, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WU4M2              | Revision of Neuro Lead in Spinal Canal, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00WV00Z              | Revision of Drainage Device in Spinal Cord, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WV02Z              | Revision of Monitoring Device in Spinal Cord, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00WV03Z              | Revision of Infusion Device in Spinal Cord, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WV07Z              | Revision of Autol Sub in Spinal Cord, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 00WV01Z              | Revision of Synth Sub in Spinal Cord, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 00WV0KZ              | Revision of Nonaub Sub in Spinal Cord, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00WV0M2              | Revision of Neuro Lead in Spinal Cord, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 00WV30Z              | Revision of Drainage Device in Spinal Cord, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WV32Z              | Revision of Monitoring Device in Spinal Cord, Perc Approach | 9                  | Other OR therapeu         |
| 10                    | 00WV33Z              | Revision of Infusion Device in Spinal Cord, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WV37Z              | Revision of Autol Sub in Spinal Cord, Perc Approach         | 9                  | Other OR therapeu         |
| 10                    | 00WV31Z              | Revision of Synth Sub in Spinal Cord, Perc Approach         | 9                  | Other OR therapeu         |
| 10                    | 00WV3KZ              | Revision of Nonaub Sub in Spinal Cord, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00WV3M2              | Revision of Neuro Lead in Spinal Cord, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 00WV40Z              | Revision of Drain Dev in Spinal Cord, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00WV42Z              | Revision of Monitor Dev in Spinal Cord, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00WV43Z              | Revision of Infusion Dev in Spinal Cord, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00WV47Z              | Revision of Autol Sub in Spinal Cord, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00WV41Z              | Revision of Synth Sub in Spinal Cord, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00WV4KZ              | Revision of Nonaub Sub in Spinal Cord, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00WV4M2              | Revision of Neuro Lead in Spinal Cord, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZP              | Transfer Olfactory Nerve to Olfactory Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZG              | Transfer Olfactory Nerve to Optic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZH              | Transfer Olfactory Nerve to Oculomotor Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZJ              | Transfer Olfactory Nerve to Trochlear Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZK              | Transfer Olfactory Nerve to Trigeminal Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZL              | Transfer Olfactory Nerve to Abducens Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZM              | Transfer Olfactory Nerve to Facial Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZN              | Transfer Olfactory Nerve to Acoustic Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZP              | Transfer Olfactory Nerve to Glossophar Nrv, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZQ              | Transfer Olfactory Nerve to Vagus Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZR              | Transfer Olfactory Nerve to Accessory Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF0ZS              | Transfer Olfactory Nerve to Hypoglossal Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZF              | Transfer Olfactory Nerve to Olfact Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZG              | Transfer Olfactory Nerve to Optic Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZH              | Transfer Olfactory Nerve to Oculomotor N, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZJ              | Transfer Olfact Nrv to Trochlear Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZK              | Transfer Olfactory Nerve to Trigem Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZL              | Transfer Olfactory Nerve to Abducen Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZM              | Transfer Olfactory Nerve to Facial Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZN              | Transfer Olfactory Nerve to Acoust Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZP              | Transfer Olfact Nrv to Glossophar Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZQ              | Transfer Olfactory Nerve to Vagus Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZR              | Transfer Olfact Nrv to Accessory Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XF4ZS              | Transfer Olfact Nrv to Hypogloss Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZF              | Transfer Optic Nerve to Olfactory Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZG              | Transfer Optic Nerve to Optic Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZH              | Transfer Optic Nerve to Oculomotor Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZJ              | Transfer Optic Nerve to Trochlear Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZK              | Transfer Optic Nerve to Trigeminal Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZL              | Transfer Optic Nerve to Abducens Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZM              | Transfer Optic Nerve to Facial Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZN              | Transfer Optic Nerve to Acoustic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZP              | Transfer Optic Nerve to Glossophar Nrv, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZQ              | Transfer Optic Nerve to Vagus Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZR              | Transfer Optic Nerve to Accessory Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XG0ZS              | Transfer Optic Nerve to Hypoglossal Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZF              | Transfer Optic Nerve to Olfactory Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZG              | Transfer Optic Nerve to Optic Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZH              | Transfer Optic Nerve to Oculomotor Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZJ              | Transfer Optic Nerve to Trochlear Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZK              | Transfer Optic Nerve to Trigeminal Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZL              | Transfer Optic Nerve to Abducens Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZM              | Transfer Optic Nerve to Facial Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZN              | Transfer Optic Nerve to Acoustic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZP              | Transfer Optic Nerve to Glossophar Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZQ              | Transfer Optic Nerve to Vagus Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZR              | Transfer Optic Nerve to Accessory Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XG4ZS              | Transfer Optic Nerve to Hypogloss Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZF              | Transfer Oculomotor Nerve to Olfactory Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZG              | Transfer Oculomotor Nerve to Optic Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZH              | Transfer Oculomotor Nerve to Oculomotor Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZJ              | Transfer Oculomotor Nerve to Trochlear Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZK              | Transfer Oculomotor Nerve to Trigeminal Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZL              | Transfer Oculomotor Nerve to Abducens Nerve, Open Approac   | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZM              | Transfer Oculomotor Nerve to Facial Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZN              | Transfer Oculomotor Nerve to Acoustic Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZP              | Transfer Oculomotor Nerve to Glossophar Nrv, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZQ              | Transfer Oculomotor Nerve to Vagus Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZR              | Transfer Oculomotor Nerve to Accessory Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH0ZS              | Transfer Oculomotor Nerve to Hypogloss Nrv, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZF              | Transfer Oculomotor Nerve to Olfact Nrv, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZG              | Transfer Oculomotor Nerve to Optic Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZH              | Transfer Oculomotor Nrv to Oculomotor N, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZJ              | Transfer Oculomotor Nrv to Trochlear Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZK              | Transfer Oculomotor Nerve to Trigem Nrv, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZL              | Transfer Oculomotor Nerve to Abducen Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZM              | Transfer Oculomotor Nerve to Facial Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZN              | Transfer Oculomotor Nerve to Acoust Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZP              | Transfer Oculomotor Nrv to Glossophar Nrv, Perc Endo        | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZQ              | Transfer Oculomotor Nerve to Vagus Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZR              | Transfer Oculomotor Nrv to Accessory Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XH4ZS              | Transfer Oculomotor Nrv to Hypogloss Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZF              | Transfer Trochlear Nerve to Olfactory Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZG              | Transfer Trochlear Nerve to Optic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZH              | Transfer Trochlear Nerve to Oculomotor Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZJ              | Transfer Trochlear Nerve to Trochlear Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZK              | Transfer Trochlear Nerve to Trigeminal Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZL              | Transfer Trochlear Nerve to Abducens Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZM              | Transfer Trochlear Nerve to Facial Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZN              | Transfer Trochlear Nerve to Acoustic Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XI0ZP              | Transfer Trochlear Nerve to Glossophar Nrv, Open Approach   | 9                  | Other OR therapeu         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 00XN42N              | Transfer Acoustic Nerve to Acoust Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XN42P              | Transfer Acoust Nrv to Glossophar Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XN42Q              | Transfer Acoustic Nerve to Vagus Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XN42R              | Transfer Acoustic Nerve to Accessory Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XN42S              | Transfer Acoustic Nerve to Hypogloss Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP02F              | Transfer Glossopharyngeal Nerve to Olfact Nrv, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP02G              | Transfer Glossopharyngeal Nerve to Optic Nrv, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 00XP02H              | Transfer Glossophar Nrv to Oculomotor N, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XP02J              | Transfer Glossophar Nrv to Trochlear Nrv, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XP02K              | Transfer Glossopharyngeal Nerve to Trigem Nrv, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP02L              | Transfer Glossophar Nrv to Abducen Nrv, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XP02M              | Transfer Glossopharyngeal Nerve to Facial Nrv, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP02N              | Transfer Glossopharyngeal Nerve to Acoust Nrv, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP02P              | Transfer Glossophar Nrv to Glossophar Nrv, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XP02Q              | Transfer Glossopharyngeal Nerve to Vagus Nrv, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 00XP02R              | Transfer Glossophar Nrv to Accessory Nrv, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XP02S              | Transfer Glossophar Nrv to Hypogloss Nrv, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XP42F              | Transfer Glossophar Nrv to Olfact Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XP42G              | Transfer Glossophar Nrv to Optic Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XP42H              | Transfer Glossophar Nrv to Oculomotor N, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XP42J              | Transfer Glossophar Nrv to Trochlear Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP42K              | Transfer Glossophar Nrv to Trigem Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XP42L              | Transfer Glossophar Nrv to Abducen Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XP42M              | Transfer Glossophar Nrv to Facial Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XP42N              | Transfer Glossophar Nrv to Acoust Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XP42P              | Transfer Glossophar Nrv to Glossophar Nrv, Perc Endo        | 9                  | Other OR therapeu         |
| 10                    | 00XP42Q              | Transfer Glossophar Nrv to Vagus Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XP42R              | Transfer Glossophar Nrv to Accessory Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XP42S              | Transfer Glossophar Nrv to Hypogloss Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XQ02F              | Transfer Vagus Nerve to Olfactory Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XQ02G              | Transfer Vagus Nerve to Optic Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00XQ02H              | Transfer Vagus Nerve to Oculomotor Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XQ02J              | Transfer Vagus Nerve to Trochlear Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XQ02K              | Transfer Vagus Nerve to Trigeminal Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XQ02L              | Transfer Vagus Nerve to Abducens Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XQ02M              | Transfer Vagus Nerve to Facial Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 00XQ02N              | Transfer Vagus Nerve to Acoustic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XQ02P              | Transfer Vagus Nerve to Glossophar Nrv, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 00XQ02Q              | Transfer Vagus Nerve to Vagus Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 00XQ02R              | Transfer Vagus Nerve to Accessory Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XQ02S              | Transfer Vagus Nerve to Hypoglossal Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XQ42F              | Transfer Vagus Nerve to Olfactory Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XQ42G              | Transfer Vagus Nerve to Optic Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XQ42H              | Transfer Vagus Nerve to Oculomotor Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XQ42J              | Transfer Vagus Nerve to Trochlear Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XQ42K              | Transfer Vagus Nerve to Trigeminal Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XQ42L              | Transfer Vagus Nerve to Abducens Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XQ42M              | Transfer Vagus Nerve to Facial Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XQ42N              | Transfer Vagus Nerve to Acoustic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XQ42P              | Transfer Vagus Nerve to Glossophar Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XQ42Q              | Transfer Vagus Nerve to Vagus Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XQ42R              | Transfer Vagus Nerve to Accessory Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XQ42S              | Transfer Vagus Nerve to Hypogloss Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XR02F              | Transfer Accessory Nerve to Olfactory Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR02G              | Transfer Accessory Nerve to Optic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XR02H              | Transfer Accessory Nerve to Oculomotor Nerve, Open Approa   | 9                  | Other OR therapeu         |
| 10                    | 00XR02J              | Transfer Accessory Nerve to Trochlear Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR02K              | Transfer Accessory Nerve to Trigeminal Nerve, Open Approa   | 9                  | Other OR therapeu         |
| 10                    | 00XR02L              | Transfer Accessory Nerve to Abducens Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XR02M              | Transfer Accessory Nerve to Facial Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XR02N              | Transfer Accessory Nerve to Acoustic Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XR02P              | Transfer Accessory Nerve to Glossophar Nrv, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XR02Q              | Transfer Accessory Nerve to Vagus Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 00XR02R              | Transfer Accessory Nerve to Accessory Nerve, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR02S              | Transfer Accessory Nerve to Hypoglossal Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XR42F              | Transfer Accessory Nerve to Olfact Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR42G              | Transfer Accessory Nerve to Optic Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XR42H              | Transfer Accessory Nerve to Oculomotor N, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XR42J              | Transfer Accessory Nrv to Trochlear Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XR42K              | Transfer Accessory Nerve to Trigem Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR42L              | Transfer Accessory Nerve to Abducen Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XR42M              | Transfer Accessory Nerve to Facial Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XR42N              | Transfer Accessory Nerve to Acoust Nrv, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XR42P              | Transfer Accessory Nrv to Glossophar Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XR42Q              | Transfer Accessory Nerve to Vagus Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XR42R              | Transfer Accessory Nrv to Accessory Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XR42S              | Transfer Accessory Nrv to Hypogloss Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XS02F              | Transfer Hypoglossal Nerve to Olfactory Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS02G              | Transfer Hypoglossal Nerve to Optic Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XS02H              | Transfer Hypoglossal Nerve to Oculomotor N, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XS02J              | Transfer Hypoglossal Nerve to Trochlear Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS02K              | Transfer Hypoglossal Nerve to Trigem Nrv, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 00XS02L              | Transfer Hypoglossal Nerve to Abducens Nerve, Open Approa   | 9                  | Other OR therapeu         |
| 10                    | 00XS02M              | Transfer Hypoglossal Nerve to Facial Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XS02N              | Transfer Hypoglossal Nerve to Acoustic Nerve, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XS02P              | Transfer Hypoglossal Nerve to Glossophar Nrv, Open Approac  | 9                  | Other OR therapeu         |
| 10                    | 00XS02Q              | Transfer Hypoglossal Nerve to Vagus Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 00XS02R              | Transfer Hypoglossal Nerve to Accessory Nerve, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS02S              | Transfer Hypoglossal Nerve to Hypogloss Nrv, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XS42F              | Transfer Hypoglossal Nerve to Olfact Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS42G              | Transfer Hypoglossal Nerve to Optic Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XS42H              | Transfer Hypogloss Nrv to Oculomotor N, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 00XS42J              | Transfer Hypogloss Nrv to Trochlear Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XS42K              | Transfer Hypoglossal Nerve to Trigem Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS42L              | Transfer Hypogloss Nrv to Abducen Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 00XS42M              | Transfer Hypoglossal Nerve to Facial Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS42N              | Transfer Hypoglossal Nerve to Acoust Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS42P              | Transfer Hypogloss Nrv to Glossophar Nrv, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 00XS42Q              | Transfer Hypoglossal Nerve to Vagus Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XS42R              | Transfer Hypogloss Nrv to Accessory Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 00XS42S              | Transfer Hypogloss Nrv to Hypogloss Nrv, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 01510ZZ              | Destruction of Cervical Nerve, Open Approach                | 9                  | Other OR therapeu         |
| 10                    | 01514ZZ              | Destruction of Cervical Nerve, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 01580ZZ              | Destruction of Thoracic Nerve, Open Approach                | 9                  | Other OR therapeu         |
| 10                    | 01584ZZ              | Destruction of Thoracic Nerve, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 01580ZZ              | Destruction of Lumbar Nerve, Open Approach                  | 9                  | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 01584ZZ              | Destruction of Lumbar Nerve, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 015K0ZZ              | Destruction of Head Neck Symp Nrv, Open Approach             | 9                  | Other OR therapeu         |
| 10                    | 015K3ZZ              | Destruction of Head Neck Symp Nrv, Perc Approach             | 9                  | Other OR therapeu         |
| 10                    | 015K4ZZ              | Destruction of Head Neck Symp Nrv, Perc Endo Approach        | 9                  | Other OR therapeu         |
| 10                    | 015L0ZZ              | Destruction of Thoracic Sympathetic Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 015L3ZZ              | Destruction of Thoracic Sympathetic Nerve, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 015L4ZZ              | Destruction of Thor Symp Nrv, Perc Endo Approach             | 9                  | Other OR therapeu         |
| 10                    | 015M0ZZ              | Destruction of Abdominal Sympathetic Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 015M3ZZ              | Destruction of Abdominal Sympathetic Nerve, Perc Approach    | 9                  | Other OR therapeu         |
| 10                    | 015M4ZZ              | Destruction of Abd Symp Nrv, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 015N0ZZ              | Destruction of Lumbar Sympathetic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 015N3ZZ              | Destruction of Lumbar Sympathetic Nerve, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 015N4ZZ              | Destruction of Lumbar Sympathetic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 015P0ZZ              | Destruction of Sacral Sympathetic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 015P3ZZ              | Destruction of Sacral Sympathetic Nerve, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 015P4ZZ              | Destruction of Sacral Sympathetic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 015R0ZZ              | Destruction of Sacral Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 015R4ZZ              | Destruction of Sacral Nerve, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 01800ZZ              | Division of Cervical Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 01803ZZ              | Division of Cervical Plexus, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 01804ZZ              | Division of Cervical Plexus, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 01810ZZ              | Division of Cervical Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 01813ZZ              | Division of Cervical Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 01814ZZ              | Division of Cervical Nerve, Percutaneous Endoscopic Approa   | 9                  | Other OR therapeu         |
| 10                    | 01820ZZ              | Division of Phrenic Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 01823ZZ              | Division of Phrenic Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 01824ZZ              | Division of Phrenic Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 01830ZZ              | Division of Brachial Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 01833ZZ              | Division of Brachial Plexus, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 01834ZZ              | Division of Brachial Plexus, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 01840ZZ              | Division of Ulnar Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 01843ZZ              | Division of Ulnar Nerve, Percutaneous Approach               | 9                  | Other OR therapeu         |
| 10                    | 01844ZZ              | Division of Ulnar Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapeu         |
| 10                    | 01850ZZ              | Division of Median Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 01853ZZ              | Division of Median Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 01854ZZ              | Division of Median Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 01860ZZ              | Division of Radial Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 01863ZZ              | Division of Radial Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 01864ZZ              | Division of Radial Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 01880ZZ              | Division of Thoracic Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 01883ZZ              | Division of Thoracic Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 01884ZZ              | Division of Thoracic Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 01890ZZ              | Division of Lumbar Plexus, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 01893ZZ              | Division of Lumbar Plexus, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 01894ZZ              | Division of Lumbar Plexus, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 018A0ZZ              | Division of Lumbosacral Plexus, Open Approach                | 9                  | Other OR therapeu         |
| 10                    | 018A3ZZ              | Division of Lumbosacral Plexus, Percutaneous Approach        | 9                  | Other OR therapeu         |
| 10                    | 018A4ZZ              | Division of Lumbosacral Plexus, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 018B0ZZ              | Division of Lumbar Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 018B3ZZ              | Division of Lumbar Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 018B4ZZ              | Division of Lumbar Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 018C0ZZ              | Division of Pudendal Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 018C3ZZ              | Division of Pudendal Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 018C4ZZ              | Division of Pudendal Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 018D0ZZ              | Division of Femoral Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 018D3ZZ              | Division of Femoral Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 018D4ZZ              | Division of Femoral Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 018F0ZZ              | Division of Sciatic Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 018F3ZZ              | Division of Sciatic Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 018F4ZZ              | Division of Sciatic Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 018G0ZZ              | Division of Tibial Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 018G3ZZ              | Division of Tibial Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 018G4ZZ              | Division of Tibial Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 018H0ZZ              | Division of Peroneal Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 018H3ZZ              | Division of Peroneal Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 018H4ZZ              | Division of Peroneal Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 018K0ZZ              | Division of Head and Neck Sympathetic Nerve, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 018K3ZZ              | Division of Head and Neck Sympathetic Nerve, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | 018K4ZZ              | Division of Head Neck Symp Nrv, Perc Endo Approach           | 9                  | Other OR therapeu         |
| 10                    | 018L0ZZ              | Division of Thoracic Sympathetic Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 018L3ZZ              | Division of Thoracic Sympathetic Nerve, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 018L4ZZ              | Division of Thoracic Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 018M0ZZ              | Division of Abdominal Sympathetic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 018M3ZZ              | Division of Abdominal Sympathetic Nerve, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 018M4ZZ              | Division of Abdominal Sympathetic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 018N0ZZ              | Division of Lumbar Sympathetic Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 018N3ZZ              | Division of Lumbar Sympathetic Nerve, Percutaneous Approach  | 9                  | Other OR therapeu         |
| 10                    | 018N4ZZ              | Division of Lumbar Sympathetic Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 018P0ZZ              | Division of Sacral Sympathetic Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 018P3ZZ              | Division of Sacral Sympathetic Nerve, Percutaneous Approach  | 9                  | Other OR therapeu         |
| 10                    | 018P4ZZ              | Division of Sacral Sympathetic Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 018Q0ZZ              | Division of Sacral Plexus, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 018Q3ZZ              | Division of Sacral Plexus, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 018Q4ZZ              | Division of Sacral Plexus, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 018R0ZZ              | Division of Sacral Nerve, Open Approach                      | 9                  | Other OR therapeu         |
| 10                    | 018R3ZZ              | Division of Sacral Nerve, Percutaneous Approach              | 9                  | Other OR therapeu         |
| 10                    | 018R4ZZ              | Division of Sacral Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapeu         |
| 10                    | 019000Z              | Drainage of Cervical Plexus with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01900ZZ              | Drainage of Cervical Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019040Z              | Drainage of Cerv Plexus with Drain Dev, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01904ZZ              | Drainage of Cervical Plexus, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 019100Z              | Drainage of Cervical Nerve with Drain Dev, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01910ZZ              | Drainage of Cervical Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019140Z              | Drainage of Cerv Nrv with Drain Dev, Perc Endo Approach      | 9                  | Other OR therapeu         |
| 10                    | 01914ZZ              | Drainage of Cervical Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 019200Z              | Drainage of Phrenic Nerve with Drain Dev, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01920ZZ              | Drainage of Phrenic Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 019240Z              | Drainage of Phrenic Nerve with Drain Dev, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 01924ZZ              | Drainage of Phrenic Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 019300Z              | Drainage of Brachial Plexus with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01930ZZ              | Drainage of Brachial Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019340Z              | Drainage of Brach Plexus with Drain Dev, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01934ZZ              | Drainage of Brachial Plexus, Perc Endo Approach              | 9                  | Other OR therapeu         |
| 10                    | 019400Z              | Drainage of Ulnar Nerve with Drainage Device, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 01940ZZ              | Drainage of Ulnar Nerve, Open Approach                       | 9                  | Other OR therapeu         |
| 10                    | 019440Z              | Drainage of Ulnar Nerve with Drain Dev, Perc Endo Approach   | 9                  | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 01944ZZ              | Drainage of Ulnar Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 019500Z              | Drainage of Median Nerve with Drainage Device, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 01950ZZ              | Drainage of Median Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019540Z              | Drainage of Median Nerve with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 01954ZZ              | Drainage of Median Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 019600Z              | Drainage of Radial Nerve with Drainage Device, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 01960ZZ              | Drainage of Radial Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019640Z              | Drainage of Radial Nerve with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 01964ZZ              | Drainage of Radial Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 019800Z              | Drainage of Thoracic Nerve with Drain Dev, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 01980ZZ              | Drainage of Thoracic Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 019840Z              | Drainage of Thoracic Nrv with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 01984ZZ              | Drainage of Thoracic Nerve, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 019900Z              | Drainage of Lumbar Plexus with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01990ZZ              | Drainage of Lumbar Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019940Z              | Drainage of Lumbar Plexus with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 01994ZZ              | Drainage of Lumbar Plexus, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 019A00Z              | Drainage of Lumbosacral Plexus with Drain Dev, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 019A0ZZ              | Drainage of Lumbosacral Plexus, Open Approach              | 9                  | Other OR therapeu         |
| 10                    | 019A40Z              | Drain of Lumbosacr Plexus with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 019A4ZZ              | Drainage of Lumbosacral Plexus, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 019800Z              | Drainage of Lumbar Nerve with Drainage Device, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 01980ZZ              | Drainage of Lumbar Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019840Z              | Drainage of Lumbar Nerve with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 01984ZZ              | Drainage of Lumbar Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 019C00Z              | Drainage of Pudendal Nerve with Drain Dev, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 019C0ZZ              | Drainage of Pudendal Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 019C40Z              | Drainage of Pudend Nrv with Drain Dev, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 019CAZZ              | Drainage of Pudendal Nerve, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 019D00Z              | Drainage of Femoral Nerve with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 019D0ZZ              | Drainage of Femoral Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019D40Z              | Drainage of Femoral Nerve with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 019D4ZZ              | Drainage of Femoral Nerve, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 019F00Z              | Drainage of Sciatic Nerve with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 019F0ZZ              | Drainage of Sciatic Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019F40Z              | Drainage of Sciatic Nerve with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 019F4ZZ              | Drainage of Sciatic Nerve, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 019G00Z              | Drainage of Tibial Nerve with Drainage Device, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 019G0ZZ              | Drainage of Tibial Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019G40Z              | Drainage of Tibial Nerve with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019G4ZZ              | Drainage of Tibial Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 019H00Z              | Drainage of Peroneal Nerve with Drain Dev, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | 019H0ZZ              | Drainage of Peroneal Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 019H40Z              | Drainage of Peroneal Nrv with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019H4ZZ              | Drainage of Peroneal Nerve, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 019K00Z              | Drainage of Head Neck Symp Nrv with Drain Dev, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 019K0ZZ              | Drainage of Head and Neck Sympathetic Nerve, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 019K40Z              | Drain Head Neck Symp Nrv w Drain Dev, Perc Endo            | 9                  | Other OR therapeu         |
| 10                    | 019K4ZZ              | Drainage of Head Neck Symp Nrv, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 019L00Z              | Drainage of Thor Symp Nrv with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 019L0ZZ              | Drainage of Thoracic Sympathetic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 019L40Z              | Drainage of Thor Symp Nrv with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 019L4ZZ              | Drainage of Thoracic Sympathetic Nerve, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 019M00Z              | Drainage of Abd Symp Nrv with Drain Dev, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 019M0ZZ              | Drainage of Abdominal Sympathetic Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 019M40Z              | Drainage of Abd Symp Nrv with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019M4ZZ              | Drainage of Abdominal Sympathetic Nerve, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019N00Z              | Drainage of Lumbar Symp Nrv with Drain Dev, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 019N0ZZ              | Drainage of Lumbar Sympathetic Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 019N40Z              | Drain of Lumbar Symp Nrv with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019N4ZZ              | Drainage of Lumbar Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 019P00Z              | Drainage of Sacral Symp Nrv with Drain Dev, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 019P0ZZ              | Drainage of Sacral Sympathetic Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 019P40Z              | Drain of Sacral Symp Nrv with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019P4ZZ              | Drainage of Sacral Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 019Q00Z              | Drainage of Sacral Plexus with Drain Dev, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 019Q0ZZ              | Drainage of Sacral Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 019Q40Z              | Drainage of Sacral Plexus with Drain Dev, Perc Endo Approa | 9                  | Other OR therapeu         |
| 10                    | 019Q4ZZ              | Drainage of Sacral Plexus, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 019R00Z              | Drainage of Sacral Nerve with Drainage Device, Open Approa | 9                  | Other OR therapeu         |
| 10                    | 019R0ZZ              | Drainage of Sacral Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 019R40Z              | Drainage of Sacral Nerve with Drain Dev, Perc Endo Approac | 9                  | Other OR therapeu         |
| 10                    | 019R4ZZ              | Drainage of Sacral Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 01800ZZ              | Excision of Cervical Plexus, Open Approach                 | 9                  | Other OR therapeu         |
| 10                    | 01803ZZ              | Excision of Cervical Plexus, Percutaneous Approach         | 9                  | Other OR therapeu         |
| 10                    | 01804ZZ              | Excision of Cervical Plexus, Perc Endo Approach            | 9                  | Other OR therapeu         |
| 10                    | 01810ZZ              | Excision of Cervical Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 01813ZZ              | Excision of Cervical Nerve, Percutaneous Approach          | 9                  | Other OR therapeu         |
| 10                    | 01814ZZ              | Excision of Cervical Nerve, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 01820ZZ              | Excision of Phrenic Nerve, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 01823ZZ              | Excision of Phrenic Nerve, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 01824ZZ              | Excision of Phrenic Nerve, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 01830ZZ              | Excision of Brachial Plexus, Open Approach                 | 9                  | Other OR therapeu         |
| 10                    | 01833ZZ              | Excision of Brachial Plexus, Percutaneous Approach         | 9                  | Other OR therapeu         |
| 10                    | 01834ZZ              | Excision of Brachial Plexus, Perc Endo Approach            | 9                  | Other OR therapeu         |
| 10                    | 01840ZZ              | Excision of Ulnar Nerve, Open Approach                     | 9                  | Other OR therapeu         |
| 10                    | 01843ZZ              | Excision of Ulnar Nerve, Percutaneous Approach             | 9                  | Other OR therapeu         |
| 10                    | 01844ZZ              | Excision of Ulnar Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu         |
| 10                    | 01850ZZ              | Excision of Median Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 01853ZZ              | Excision of Median Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 01854ZZ              | Excision of Median Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 01860ZZ              | Excision of Radial Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 01863ZZ              | Excision of Radial Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 01864ZZ              | Excision of Radial Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |
| 10                    | 01880ZZ              | Excision of Thoracic Nerve, Open Approach                  | 9                  | Other OR therapeu         |
| 10                    | 01883ZZ              | Excision of Thoracic Nerve, Percutaneous Approach          | 9                  | Other OR therapeu         |
| 10                    | 01884ZZ              | Excision of Thoracic Nerve, Percutaneous Endoscopic Approa | 9                  | Other OR therapeu         |
| 10                    | 01890ZZ              | Excision of Lumbar Plexus, Open Approach                   | 9                  | Other OR therapeu         |
| 10                    | 01893ZZ              | Excision of Lumbar Plexus, Percutaneous Approach           | 9                  | Other OR therapeu         |
| 10                    | 01894ZZ              | Excision of Lumbar Plexus, Percutaneous Endoscopic Approac | 9                  | Other OR therapeu         |
| 10                    | 018A0ZZ              | Excision of Lumbosacral Plexus, Open Approach              | 9                  | Other OR therapeu         |
| 10                    | 018A3ZZ              | Excision of Lumbosacral Plexus, Percutaneous Approach      | 9                  | Other OR therapeu         |
| 10                    | 018A4ZZ              | Excision of Lumbosacral Plexus, Perc Endo Approach         | 9                  | Other OR therapeu         |
| 10                    | 018B0ZZ              | Excision of Lumbar Nerve, Open Approach                    | 9                  | Other OR therapeu         |
| 10                    | 018B3ZZ              | Excision of Lumbar Nerve, Percutaneous Approach            | 9                  | Other OR therapeu         |
| 10                    | 018B4ZZ              | Excision of Lumbar Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 01BC0ZZ              | Excision of Pudendal Nerve, Open Approach                   | 9                  | Other OR therapeu          |
| 10                    | 01BC3ZZ              | Excision of Pudendal Nerve, Percutaneous Approach           | 9                  | Other OR therapeu          |
| 10                    | 01BC4ZZ              | Excision of Pudendal Nerve, Percutaneous Endoscopic Approa  | 9                  | Other OR therapeu          |
| 10                    | 01BD0ZZ              | Excision of Femoral Nerve, Open Approach                    | 9                  | Other OR therapeu          |
| 10                    | 01BD3ZZ              | Excision of Femoral Nerve, Percutaneous Approach            | 9                  | Other OR therapeu          |
| 10                    | 01BD4ZZ              | Excision of Femoral Nerve, Percutaneous Endoscopic Approac  | 9                  | Other OR therapeu          |
| 10                    | 01BF0ZZ              | Excision of Sciatic Nerve, Open Approach                    | 9                  | Other OR therapeu          |
| 10                    | 01BF3ZZ              | Excision of Sciatic Nerve, Percutaneous Approach            | 9                  | Other OR therapeu          |
| 10                    | 01BF4ZZ              | Excision of Sciatic Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu          |
| 10                    | 01BG0ZZ              | Excision of Tibial Nerve, Open Approach                     | 9                  | Other OR therapeu          |
| 10                    | 01BG3ZZ              | Excision of Tibial Nerve, Percutaneous Approach             | 9                  | Other OR therapeu          |
| 10                    | 01BG4ZZ              | Excision of Tibial Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu          |
| 10                    | 01BH0ZZ              | Excision of Peroneal Nerve, Open Approach                   | 9                  | Other OR therapeu          |
| 10                    | 01BH3ZZ              | Excision of Peroneal Nerve, Percutaneous Approach           | 9                  | Other OR therapeu          |
| 10                    | 01BH4ZZ              | Excision of Peroneal Nerve, Percutaneous Endoscopic Approa  | 9                  | Other OR therapeu          |
| 10                    | 01BK0ZZ              | Excision of Head and Neck Sympathetic Nerve, Open Approach  | 9                  | Other OR therapeu          |
| 10                    | 01BK3ZZ              | Excision of Head and Neck Sympathetic Nerve, Perc Approach  | 9                  | Other OR therapeu          |
| 10                    | 01BK4ZZ              | Excision of Head Neck Symp Nrv, Perc Endo Approach          | 9                  | Other OR therapeu          |
| 10                    | 01BL0ZZ              | Excision of Thoracic Sympathetic Nerve, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 01BL3ZZ              | Excision of Thoracic Sympathetic Nerve, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 01BL4ZZ              | Excision of Thoracic Sympathetic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 01BM0ZZ              | Excision of Abdominal Sympathetic Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01BM3ZZ              | Excision of Abdominal Sympathetic Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01BM4ZZ              | Excision of Abdominal Sympathetic Nerve, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01BN0ZZ              | Excision of Lumbar Sympathetic Nerve, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 01BN3ZZ              | Excision of Lumbar Sympathetic Nerve, Percutaneous Approac  | 9                  | Other OR therapeu          |
| 10                    | 01BN4ZZ              | Excision of Lumbar Sympathetic Nerve, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 01BP0ZZ              | Excision of Sacral Sympathetic Nerve, Open Approach         | 9                  | Other OR therapeu          |
| 10                    | 01BP3ZZ              | Excision of Sacral Sympathetic Nerve, Percutaneous Approach | 9                  | Other OR therapeu          |
| 10                    | 01BP4ZZ              | Excision of Sacral Sympathetic Nerve, Perc Endo Approach    | 9                  | Other OR therapeu          |
| 10                    | 01BQ0ZZ              | Excision of Sacral Plexus, Open Approach                    | 9                  | Other OR therapeu          |
| 10                    | 01BQ3ZZ              | Excision of Sacral Plexus, Percutaneous Approach            | 9                  | Other OR therapeu          |
| 10                    | 01BQ4ZZ              | Excision of Sacral Plexus, Percutaneous Endoscopic Approach | 9                  | Other OR therapeu          |
| 10                    | 01BR0ZZ              | Excision of Sacral Nerve, Open Approach                     | 9                  | Other OR therapeu          |
| 10                    | 01BR3ZZ              | Excision of Sacral Nerve, Percutaneous Approach             | 9                  | Other OR therapeu          |
| 10                    | 01BR4ZZ              | Excision of Sacral Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapeu          |
| 10                    | 01C00ZZ              | Extirpation of Matter from Cervical Plexus, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 01C03ZZ              | Extirpation of Matter from Cervical Plexus, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 01C04ZZ              | Extirpation of Matter from Cerv Plexus, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 01C10ZZ              | Extirpation of Matter from Cervical Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 01C13ZZ              | Extirpation of Matter from Cervical Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 01C14ZZ              | Extirpation of Matter from Cerv Nrv, Perc Endo Approach     | 9                  | Other OR therapeu          |
| 10                    | 01C20ZZ              | Extirpation of Matter from Phrenic Nerve, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01C23ZZ              | Extirpation of Matter from Phrenic Nerve, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01C24ZZ              | Extirpation of Matter from Phrenic Nerve, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01C30ZZ              | Extirpation of Matter from Brachial Plexus, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 01C33ZZ              | Extirpation of Matter from Brachial Plexus, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 01C34ZZ              | Extirpation of Matter from Brach Plexus, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 01C40ZZ              | Extirpation of Matter from Ulnar Nerve, Open Approach       | 9                  | Other OR therapeu          |
| 10                    | 01C43ZZ              | Extirpation of Matter from Ulnar Nerve, Perc Approach       | 9                  | Other OR therapeu          |
| 10                    | 01C44ZZ              | Extirpation of Matter from Ulnar Nerve, Perc Endo Approach  | 9                  | Other OR therapeu          |
| 10                    | 01C50ZZ              | Extirpation of Matter from Median Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01C53ZZ              | Extirpation of Matter from Median Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01C54ZZ              | Extirpation of Matter from Median Nerve, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01C60ZZ              | Extirpation of Matter from Radial Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01C63ZZ              | Extirpation of Matter from Radial Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01C64ZZ              | Extirpation of Matter from Radial Nerve, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 01C80ZZ              | Extirpation of Matter from Thoracic Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 01C83ZZ              | Extirpation of Matter from Thoracic Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 01C84ZZ              | Extirpation of Matter from Thoracic Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01C90ZZ              | Extirpation of Matter from Lumbar Plexus, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01C93ZZ              | Extirpation of Matter from Lumbar Plexus, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01C94ZZ              | Extirpation of Matter from Lumbar Plexus, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CA0ZZ              | Extirpation of Matter from Lumbosacral Plexus, Open Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CA3ZZ              | Extirpation of Matter from Lumbosacral Plexus, Perc Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CA4ZZ              | Extirpate matter from Lumbosacr Plexus, Perc Endo           | 9                  | Other OR therapeu          |
| 10                    | 01CB0ZZ              | Extirpation of Matter from Lumbar Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CB3ZZ              | Extirpation of Matter from Lumbar Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CB4ZZ              | Extirpation of Matter from Lumbar Nerve, Perc Endo Approach | 9                  | Other OR therapeu          |
| 10                    | 01CC0ZZ              | Extirpation of Matter from Pudendal Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 01CC3ZZ              | Extirpation of Matter from Pudendal Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 01CC4ZZ              | Extirpation of Matter from Pudend Nrv, Perc Endo Approach   | 9                  | Other OR therapeu          |
| 10                    | 01CD0ZZ              | Extirpation of Matter from Femoral Nerve, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CD3ZZ              | Extirpation of Matter from Femoral Nerve, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CD4ZZ              | Extirpation of Matter from Femoral Nerve, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CF0ZZ              | Extirpation of Matter from Sciatic Nerve, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CF3ZZ              | Extirpation of Matter from Sciatic Nerve, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CF4ZZ              | Extirpation of Matter from Sciatic Nerve, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CG0ZZ              | Extirpation of Matter from Tibial Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CG3ZZ              | Extirpation of Matter from Tibial Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CG4ZZ              | Extirpation of Matter from Tibial Nerve, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01CH0ZZ              | Extirpation of Matter from Peroneal Nerve, Open Approach    | 9                  | Other OR therapeu          |
| 10                    | 01CH3ZZ              | Extirpation of Matter from Peroneal Nerve, Perc Approach    | 9                  | Other OR therapeu          |
| 10                    | 01CH4ZZ              | Extirpation of Matter from Peroneal Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01CK0ZZ              | Extirpation of Matter from Head Neck Symp Nrv, Open Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CK3ZZ              | Extirpation of Matter from Head Neck Symp Nrv, Perc Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CK4ZZ              | Extirpate matter from Head Neck Symp Nrv, Perc Endo         | 9                  | Other OR therapeu          |
| 10                    | 01CL0ZZ              | Extirpation of Matter from Thor Symp Nrv, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CL3ZZ              | Extirpation of Matter from Thor Symp Nrv, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CL4ZZ              | Extirpation of Matter from Thor Symp Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CM0ZZ              | Extirpation of Matter from Abd Symp Nrv, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CM3ZZ              | Extirpation of Matter from Abd Symp Nrv, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CM4ZZ              | Extirpation of Matter from Abd Symp Nrv, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01CN0ZZ              | Extirpation of Matter from Lumbar Symp Nrv, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 01CN3ZZ              | Extirpation of Matter from Lumbar Symp Nrv, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 01CN4ZZ              | Extirpate of Matter from Lumbar Symp Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CP0ZZ              | Extirpation of Matter from Sacral Symp Nrv, Open Approach   | 9                  | Other OR therapeu          |
| 10                    | 01CP3ZZ              | Extirpation of Matter from Sacral Symp Nrv, Perc Approach   | 9                  | Other OR therapeu          |
| 10                    | 01CP4ZZ              | Extirpate of Matter from Sacral Symp Nrv, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CQ0ZZ              | Extirpation of Matter from Sacral Plexus, Open Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CQ3ZZ              | Extirpation of Matter from Sacral Plexus, Perc Approach     | 9                  | Other OR therapeu          |
| 10                    | 01CQ4ZZ              | Extirpation of Matter from Sacral Plexus, Perc Endo Approa  | 9                  | Other OR therapeu          |
| 10                    | 01CR0ZZ              | Extirpation of Matter from Sacral Nerve, Open Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CR3ZZ              | Extirpation of Matter from Sacral Nerve, Perc Approach      | 9                  | Other OR therapeu          |
| 10                    | 01CR4ZZ              | Extirpation of Matter from Sacral Nerve, Perc Endo Approac  | 9                  | Other OR therapeu          |
| 10                    | 01D00ZZ              | Extraction of Cervical Plexus, Open Approach                | 9                  | Other OR therapeu          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 01D03ZZ              | Extraction of Cervical Plexus, Percutaneous Approach         | 9                  | Other OR therapist        |
| 10                    | 01D04ZZ              | Extraction of Cervical Plexus, Perc Endo Approach            | 9                  | Other OR therapist        |
| 10                    | 01D10ZZ              | Extraction of Cervical Nerve, Open Approach                  | 9                  | Other OR therapist        |
| 10                    | 01D13ZZ              | Extraction of Cervical Nerve, Percutaneous Approach          | 9                  | Other OR therapist        |
| 10                    | 01D14ZZ              | Extraction of Cervical Nerve, Perc Endo Approach             | 9                  | Other OR therapist        |
| 10                    | 01D20ZZ              | Extraction of Phrenic Nerve, Open Approach                   | 9                  | Other OR therapist        |
| 10                    | 01D23ZZ              | Extraction of Phrenic Nerve, Percutaneous Approach           | 9                  | Other OR therapist        |
| 10                    | 01D24ZZ              | Extraction of Phrenic Nerve, Perc Endo Approach              | 9                  | Other OR therapist        |
| 10                    | 01D30ZZ              | Extraction of Brachial Plexus, Open Approach                 | 9                  | Other OR therapist        |
| 10                    | 01D33ZZ              | Extraction of Brachial Plexus, Percutaneous Approach         | 9                  | Other OR therapist        |
| 10                    | 01D34ZZ              | Extraction of Brachial Plexus, Perc Endo Approach            | 9                  | Other OR therapist        |
| 10                    | 01D40ZZ              | Extraction of Ulnar Nerve, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01D43ZZ              | Extraction of Ulnar Nerve, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01D44ZZ              | Extraction of Ulnar Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01D50ZZ              | Extraction of Median Nerve, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01D53ZZ              | Extraction of Median Nerve, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01D54ZZ              | Extraction of Median Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01D60ZZ              | Extraction of Radial Nerve, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01D63ZZ              | Extraction of Radial Nerve, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01D64ZZ              | Extraction of Radial Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01D80ZZ              | Extraction of Thoracic Nerve, Open Approach                  | 9                  | Other OR therapist        |
| 10                    | 01D83ZZ              | Extraction of Thoracic Nerve, Percutaneous Approach          | 9                  | Other OR therapist        |
| 10                    | 01D84ZZ              | Extraction of Thoracic Nerve, Perc Endo Approach             | 9                  | Other OR therapist        |
| 10                    | 01D90ZZ              | Extraction of Lumbar Plexus, Open Approach                   | 9                  | Other OR therapist        |
| 10                    | 01D93ZZ              | Extraction of Lumbar Plexus, Percutaneous Approach           | 9                  | Other OR therapist        |
| 10                    | 01D94ZZ              | Extraction of Lumbar Plexus, Perc Endo Approach              | 9                  | Other OR therapist        |
| 10                    | 01DA0ZZ              | Extraction of Lumbosacral Plexus, Open Approach              | 9                  | Other OR therapist        |
| 10                    | 01DA3ZZ              | Extraction of Lumbosacral Plexus, Percutaneous Approach      | 9                  | Other OR therapist        |
| 10                    | 01DA4ZZ              | Extraction of Lumbosacral Plexus, Perc Endo Approach         | 9                  | Other OR therapist        |
| 10                    | 01DB0ZZ              | Extraction of Lumbar Nerve, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01DB3ZZ              | Extraction of Lumbar Nerve, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01DB4ZZ              | Extraction of Lumbar Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01DC0ZZ              | Extraction of Pudendal Nerve, Open Approach                  | 9                  | Other OR therapist        |
| 10                    | 01DC3ZZ              | Extraction of Pudendal Nerve, Percutaneous Approach          | 9                  | Other OR therapist        |
| 10                    | 01DC4ZZ              | Extraction of Pudendal Nerve, Perc Endo Approach             | 9                  | Other OR therapist        |
| 10                    | 01DD0ZZ              | Extraction of Femoral Nerve, Open Approach                   | 9                  | Other OR therapist        |
| 10                    | 01DD3ZZ              | Extraction of Femoral Nerve, Percutaneous Approach           | 9                  | Other OR therapist        |
| 10                    | 01DD4ZZ              | Extraction of Femoral Nerve, Perc Endo Approach              | 9                  | Other OR therapist        |
| 10                    | 01DF0ZZ              | Extraction of Sciatic Nerve, Open Approach                   | 9                  | Other OR therapist        |
| 10                    | 01DF3ZZ              | Extraction of Sciatic Nerve, Percutaneous Approach           | 9                  | Other OR therapist        |
| 10                    | 01DF4ZZ              | Extraction of Sciatic Nerve, Perc Endo Approach              | 9                  | Other OR therapist        |
| 10                    | 01DG0ZZ              | Extraction of Tibial Nerve, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01DG3ZZ              | Extraction of Tibial Nerve, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01DG4ZZ              | Extraction of Tibial Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01DH0ZZ              | Extraction of Peroneal Nerve, Open Approach                  | 9                  | Other OR therapist        |
| 10                    | 01DH3ZZ              | Extraction of Peroneal Nerve, Percutaneous Approach          | 9                  | Other OR therapist        |
| 10                    | 01DH4ZZ              | Extraction of Peroneal Nerve, Perc Endo Approach             | 9                  | Other OR therapist        |
| 10                    | 01DK0ZZ              | Extraction of Head and Neck Sympathetic Nerve, Open Approach | 9                  | Other OR therapist        |
| 10                    | 01DK3ZZ              | Extraction of Head and Neck Sympathetic Nerve, Perc Approach | 9                  | Other OR therapist        |
| 10                    | 01DK4ZZ              | Extraction of Head Neck Symp Nrv, Perc Endo Approach         | 9                  | Other OR therapist        |
| 10                    | 01DL0ZZ              | Extraction of Thoracic Sympathetic Nerve, Open Approach      | 9                  | Other OR therapist        |
| 10                    | 01DL3ZZ              | Extraction of Thoracic Sympathetic Nerve, Perc Approach      | 9                  | Other OR therapist        |
| 10                    | 01DL4ZZ              | Extraction of Thoracic Sympathetic Nerve, Perc Endo Approach | 9                  | Other OR therapist        |
| 10                    | 01DM0ZZ              | Extraction of Abdominal Sympathetic Nerve, Open Approach     | 9                  | Other OR therapist        |
| 10                    | 01DM3ZZ              | Extraction of Abdominal Sympathetic Nerve, Perc Approach     | 9                  | Other OR therapist        |
| 10                    | 01DM4ZZ              | Extraction of Abd Symp Nrv, Perc Endo Approach               | 9                  | Other OR therapist        |
| 10                    | 01DN0ZZ              | Extraction of Lumbar Sympathetic Nerve, Open Approach        | 9                  | Other OR therapist        |
| 10                    | 01DN3ZZ              | Extraction of Lumbar Sympathetic Nerve, Perc Approach        | 9                  | Other OR therapist        |
| 10                    | 01DN4ZZ              | Extraction of Lumbar Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapist        |
| 10                    | 01DP0ZZ              | Extraction of Sacral Sympathetic Nerve, Open Approach        | 9                  | Other OR therapist        |
| 10                    | 01DP3ZZ              | Extraction of Sacral Sympathetic Nerve, Perc Approach        | 9                  | Other OR therapist        |
| 10                    | 01DP4ZZ              | Extraction of Sacral Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapist        |
| 10                    | 01DQ0ZZ              | Extraction of Sacral Plexus, Open Approach                   | 9                  | Other OR therapist        |
| 10                    | 01DQ3ZZ              | Extraction of Sacral Plexus, Percutaneous Approach           | 9                  | Other OR therapist        |
| 10                    | 01DQ4ZZ              | Extraction of Sacral Plexus, Perc Endo Approach              | 9                  | Other OR therapist        |
| 10                    | 01DR0ZZ              | Extraction of Sacral Nerve, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01DR3ZZ              | Extraction of Sacral Nerve, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01DR4ZZ              | Extraction of Sacral Nerve, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01HY0MZ              | Insertion of Neuro Lead into Periph Nrv, Open Approach       | 9                  | Other OR therapist        |
| 10                    | 01HY3MZ              | Insertion of Neuro Lead into Periph Nrv, Perc Approach       | 9                  | Other OR therapist        |
| 10                    | 01HY4MZ              | Insertion of Neuro Lead into Periph Nrv, Perc Endo Approach  | 9                  | Other OR therapist        |
| 10                    | 01PW00Z              | Removal of Drainage Device from Periph Nrv, Open Approach    | 9                  | Other OR therapist        |
| 10                    | 01PW02Z              | Removal of Monitoring Device from Periph Nrv, Open Approach  | 9                  | Other OR therapist        |
| 10                    | 01PW07Z              | Removal of Autol Sub from Periph Nrv, Open Approach          | 9                  | Other OR therapist        |
| 10                    | 01PW0MZ              | Removal of Neuro Lead from Periph Nrv, Open Approach         | 9                  | Other OR therapist        |
| 10                    | 01PY30Z              | Removal of Drainage Device from Periph Nrv, Perc Approach    | 9                  | Other OR therapist        |
| 10                    | 01PY32Z              | Removal of Monitoring Device from Periph Nrv, Perc Approach  | 9                  | Other OR therapist        |
| 10                    | 01PY37Z              | Removal of Autol Sub from Periph Nrv, Perc Approach          | 9                  | Other OR therapist        |
| 10                    | 01PY3MZ              | Removal of Neuro Lead from Periph Nrv, Perc Approach         | 9                  | Other OR therapist        |
| 10                    | 01PY40Z              | Removal of Drain Dev from Periph Nrv, Perc Endo Approach     | 9                  | Other OR therapist        |
| 10                    | 01PY42Z              | Removal of Monitor Dev from Periph Nrv, Perc Endo Approach   | 9                  | Other OR therapist        |
| 10                    | 01PY47Z              | Removal of Autol Sub from Periph Nrv, Perc Endo Approach     | 9                  | Other OR therapist        |
| 10                    | 01PY4MZ              | Removal of Neuro Lead from Periph Nrv, Perc Endo Approach    | 9                  | Other OR therapist        |
| 10                    | 01PYXMZ              | Removal of Neuro Lead from Periph Nrv, Extern Approach       | 9                  | Other OR therapist        |
| 10                    | 01Q00ZZ              | Repair Cervical Plexus, Open Approach                        | 9                  | Other OR therapist        |
| 10                    | 01Q03ZZ              | Repair Cervical Plexus, Percutaneous Approach                | 9                  | Other OR therapist        |
| 10                    | 01Q04ZZ              | Repair Cervical Plexus, Percutaneous Endoscopic Approach     | 9                  | Other OR therapist        |
| 10                    | 01Q10ZZ              | Repair Cervical Nerve, Open Approach                         | 9                  | Other OR therapist        |
| 10                    | 01Q13ZZ              | Repair Cervical Nerve, Percutaneous Approach                 | 9                  | Other OR therapist        |
| 10                    | 01Q14ZZ              | Repair Cervical Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapist        |
| 10                    | 01Q20ZZ              | Repair Phrenic Nerve, Open Approach                          | 9                  | Other OR therapist        |
| 10                    | 01Q23ZZ              | Repair Phrenic Nerve, Percutaneous Approach                  | 9                  | Other OR therapist        |
| 10                    | 01Q24ZZ              | Repair Phrenic Nerve, Percutaneous Endoscopic Approach       | 9                  | Other OR therapist        |
| 10                    | 01Q30ZZ              | Repair Brachial Plexus, Open Approach                        | 9                  | Other OR therapist        |
| 10                    | 01Q33ZZ              | Repair Brachial Plexus, Percutaneous Approach                | 9                  | Other OR therapist        |
| 10                    | 01Q34ZZ              | Repair Brachial Plexus, Percutaneous Endoscopic Approach     | 9                  | Other OR therapist        |
| 10                    | 01Q40ZZ              | Repair Ulnar Nerve, Open Approach                            | 9                  | Other OR therapist        |
| 10                    | 01Q43ZZ              | Repair Ulnar Nerve, Percutaneous Approach                    | 9                  | Other OR therapist        |
| 10                    | 01Q44ZZ              | Repair Ulnar Nerve, Percutaneous Endoscopic Approach         | 9                  | Other OR therapist        |
| 10                    | 01Q50ZZ              | Repair Median Nerve, Open Approach                           | 9                  | Other OR therapist        |
| 10                    | 01Q53ZZ              | Repair Median Nerve, Percutaneous Approach                   | 9                  | Other OR therapist        |
| 10                    | 01Q54ZZ              | Repair Median Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapist        |
| 10                    | 01Q60ZZ              | Repair Radial Nerve, Open Approach                           | 9                  | Other OR therapist        |
| 10                    | 01Q63ZZ              | Repair Radial Nerve, Percutaneous Approach                   | 9                  | Other OR therapist        |
| 10                    | 01Q64ZZ              | Repair Radial Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapist        |
| 10                    | 01Q80ZZ              | Repair Thoracic Nerve, Open Approach                         | 9                  | Other OR therapist        |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 01Q83ZZ              | Repair Thoracic Nerve, Percutaneous Approach                 | 9                  | Other OR therapist        |
| 10                    | 01Q84ZZ              | Repair Thoracic Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapist        |
| 10                    | 01Q90ZZ              | Repair Lumbar Plexus, Open Approach                          | 9                  | Other OR therapist        |
| 10                    | 01Q93ZZ              | Repair Lumbar Plexus, Percutaneous Approach                  | 9                  | Other OR therapist        |
| 10                    | 01Q94ZZ              | Repair Lumbar Plexus, Percutaneous Endoscopic Approach       | 9                  | Other OR therapist        |
| 10                    | 01QA0ZZ              | Repair Lumbosacral Plexus, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01QA3ZZ              | Repair Lumbosacral Plexus, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01QA4ZZ              | Repair Lumbosacral Plexus, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01QB0ZZ              | Repair Lumbar Nerve, Open Approach                           | 9                  | Other OR therapist        |
| 10                    | 01QB3ZZ              | Repair Lumbar Nerve, Percutaneous Approach                   | 9                  | Other OR therapist        |
| 10                    | 01QB4ZZ              | Repair Lumbar Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapist        |
| 10                    | 01QC0ZZ              | Repair Pudendal Nerve, Open Approach                         | 9                  | Other OR therapist        |
| 10                    | 01QC3ZZ              | Repair Pudendal Nerve, Percutaneous Approach                 | 9                  | Other OR therapist        |
| 10                    | 01QC4ZZ              | Repair Pudendal Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapist        |
| 10                    | 01QD0ZZ              | Repair Femoral Nerve, Open Approach                          | 9                  | Other OR therapist        |
| 10                    | 01QD3ZZ              | Repair Femoral Nerve, Percutaneous Approach                  | 9                  | Other OR therapist        |
| 10                    | 01QD4ZZ              | Repair Femoral Nerve, Percutaneous Endoscopic Approach       | 9                  | Other OR therapist        |
| 10                    | 01QF0ZZ              | Repair Sciatic Nerve, Open Approach                          | 9                  | Other OR therapist        |
| 10                    | 01QF3ZZ              | Repair Sciatic Nerve, Percutaneous Approach                  | 9                  | Other OR therapist        |
| 10                    | 01QF4ZZ              | Repair Sciatic Nerve, Percutaneous Endoscopic Approach       | 9                  | Other OR therapist        |
| 10                    | 01QG0ZZ              | Repair Tibial Nerve, Open Approach                           | 9                  | Other OR therapist        |
| 10                    | 01QG3ZZ              | Repair Tibial Nerve, Percutaneous Approach                   | 9                  | Other OR therapist        |
| 10                    | 01QG4ZZ              | Repair Tibial Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapist        |
| 10                    | 01QH0ZZ              | Repair Peroneal Nerve, Open Approach                         | 9                  | Other OR therapist        |
| 10                    | 01QH3ZZ              | Repair Peroneal Nerve, Percutaneous Approach                 | 9                  | Other OR therapist        |
| 10                    | 01QH4ZZ              | Repair Peroneal Nerve, Percutaneous Endoscopic Approach      | 9                  | Other OR therapist        |
| 10                    | 01QK0ZZ              | Repair Head and Neck Sympathetic Nerve, Open Approach        | 9                  | Other OR therapist        |
| 10                    | 01QK3ZZ              | Repair Head and Neck Sympathetic Nerve, Perc Approach        | 9                  | Other OR therapist        |
| 10                    | 01QK4ZZ              | Repair Head and Neck Sympathetic Nerve, Perc Endo Approach   | 9                  | Other OR therapist        |
| 10                    | 01QL0ZZ              | Repair Thoracic Sympathetic Nerve, Open Approach             | 9                  | Other OR therapist        |
| 10                    | 01QL3ZZ              | Repair Thoracic Sympathetic Nerve, Percutaneous Approach     | 9                  | Other OR therapist        |
| 10                    | 01QL4ZZ              | Repair Thoracic Sympathetic Nerve, Perc Endo Approach        | 9                  | Other OR therapist        |
| 10                    | 01QM0ZZ              | Repair Abdominal Sympathetic Nerve, Open Approach            | 9                  | Other OR therapist        |
| 10                    | 01QM3ZZ              | Repair Abdominal Sympathetic Nerve, Percutaneous Approach    | 9                  | Other OR therapist        |
| 10                    | 01QM4ZZ              | Repair Abdominal Sympathetic Nerve, Perc Endo Approach       | 9                  | Other OR therapist        |
| 10                    | 01QN0ZZ              | Repair Lumbar Sympathetic Nerve, Open Approach               | 9                  | Other OR therapist        |
| 10                    | 01QN3ZZ              | Repair Lumbar Sympathetic Nerve, Percutaneous Approach       | 9                  | Other OR therapist        |
| 10                    | 01QN4ZZ              | Repair Lumbar Sympathetic Nerve, Perc Endo Approach          | 9                  | Other OR therapist        |
| 10                    | 01QP0ZZ              | Repair Sacral Sympathetic Nerve, Open Approach               | 9                  | Other OR therapist        |
| 10                    | 01QP3ZZ              | Repair Sacral Sympathetic Nerve, Percutaneous Approach       | 9                  | Other OR therapist        |
| 10                    | 01QP4ZZ              | Repair Sacral Sympathetic Nerve, Perc Endo Approach          | 9                  | Other OR therapist        |
| 10                    | 01QQ0ZZ              | Repair Sacral Plexus, Open Approach                          | 9                  | Other OR therapist        |
| 10                    | 01QQ3ZZ              | Repair Sacral Plexus, Percutaneous Approach                  | 9                  | Other OR therapist        |
| 10                    | 01QQ4ZZ              | Repair Sacral Plexus, Percutaneous Endoscopic Approach       | 9                  | Other OR therapist        |
| 10                    | 01QR0ZZ              | Repair Sacral Nerve, Open Approach                           | 9                  | Other OR therapist        |
| 10                    | 01QR3ZZ              | Repair Sacral Nerve, Percutaneous Approach                   | 9                  | Other OR therapist        |
| 10                    | 01QR4ZZ              | Repair Sacral Nerve, Percutaneous Endoscopic Approach        | 9                  | Other OR therapist        |
| 10                    | 01S00ZZ              | Reposition Cervical Plexus, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01S03ZZ              | Reposition Cervical Plexus, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01S04ZZ              | Reposition Cervical Plexus, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01S10ZZ              | Reposition Cervical Nerve, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01S13ZZ              | Reposition Cervical Nerve, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01S14ZZ              | Reposition Cervical Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01S20ZZ              | Reposition Phrenic Nerve, Open Approach                      | 9                  | Other OR therapist        |
| 10                    | 01S23ZZ              | Reposition Phrenic Nerve, Percutaneous Approach              | 9                  | Other OR therapist        |
| 10                    | 01S24ZZ              | Reposition Phrenic Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapist        |
| 10                    | 01S30ZZ              | Reposition Brachial Plexus, Open Approach                    | 9                  | Other OR therapist        |
| 10                    | 01S33ZZ              | Reposition Brachial Plexus, Percutaneous Approach            | 9                  | Other OR therapist        |
| 10                    | 01S34ZZ              | Reposition Brachial Plexus, Percutaneous Endoscopic Approach | 9                  | Other OR therapist        |
| 10                    | 01S40ZZ              | Reposition Ulnar Nerve, Open Approach                        | 9                  | Other OR therapist        |
| 10                    | 01S43ZZ              | Reposition Ulnar Nerve, Percutaneous Approach                | 9                  | Other OR therapist        |
| 10                    | 01S44ZZ              | Reposition Ulnar Nerve, Percutaneous Endoscopic Approach     | 9                  | Other OR therapist        |
| 10                    | 01S50ZZ              | Reposition Median Nerve, Open Approach                       | 9                  | Other OR therapist        |
| 10                    | 01S53ZZ              | Reposition Median Nerve, Percutaneous Approach               | 9                  | Other OR therapist        |
| 10                    | 01S54ZZ              | Reposition Median Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapist        |
| 10                    | 01S60ZZ              | Reposition Radial Nerve, Open Approach                       | 9                  | Other OR therapist        |
| 10                    | 01S63ZZ              | Reposition Radial Nerve, Percutaneous Approach               | 9                  | Other OR therapist        |
| 10                    | 01S64ZZ              | Reposition Radial Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapist        |
| 10                    | 01S80ZZ              | Reposition Thoracic Nerve, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01S83ZZ              | Reposition Thoracic Nerve, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01S84ZZ              | Reposition Thoracic Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01S90ZZ              | Reposition Lumbar Plexus, Open Approach                      | 9                  | Other OR therapist        |
| 10                    | 01S93ZZ              | Reposition Lumbar Plexus, Percutaneous Approach              | 9                  | Other OR therapist        |
| 10                    | 01S94ZZ              | Reposition Lumbar Plexus, Percutaneous Endoscopic Approach   | 9                  | Other OR therapist        |
| 10                    | 01SA0ZZ              | Reposition Lumbosacral Plexus, Open Approach                 | 9                  | Other OR therapist        |
| 10                    | 01SA3ZZ              | Reposition Lumbosacral Plexus, Percutaneous Approach         | 9                  | Other OR therapist        |
| 10                    | 01SA4ZZ              | Reposition Lumbosacral Plexus, Perc Endo Approach            | 9                  | Other OR therapist        |
| 10                    | 01SB0ZZ              | Reposition Lumbar Nerve, Open Approach                       | 9                  | Other OR therapist        |
| 10                    | 01SB3ZZ              | Reposition Lumbar Nerve, Percutaneous Approach               | 9                  | Other OR therapist        |
| 10                    | 01SB4ZZ              | Reposition Lumbar Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapist        |
| 10                    | 01SC0ZZ              | Reposition Pudendal Nerve, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01SC3ZZ              | Reposition Pudendal Nerve, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01SC4ZZ              | Reposition Pudendal Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01SD0ZZ              | Reposition Femoral Nerve, Open Approach                      | 9                  | Other OR therapist        |
| 10                    | 01SD3ZZ              | Reposition Femoral Nerve, Percutaneous Approach              | 9                  | Other OR therapist        |
| 10                    | 01SD4ZZ              | Reposition Femoral Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapist        |
| 10                    | 01SF0ZZ              | Reposition Sciatic Nerve, Open Approach                      | 9                  | Other OR therapist        |
| 10                    | 01SF3ZZ              | Reposition Sciatic Nerve, Percutaneous Approach              | 9                  | Other OR therapist        |
| 10                    | 01SF4ZZ              | Reposition Sciatic Nerve, Percutaneous Endoscopic Approach   | 9                  | Other OR therapist        |
| 10                    | 01SG0ZZ              | Reposition Tibial Nerve, Open Approach                       | 9                  | Other OR therapist        |
| 10                    | 01SG3ZZ              | Reposition Tibial Nerve, Percutaneous Approach               | 9                  | Other OR therapist        |
| 10                    | 01SG4ZZ              | Reposition Tibial Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapist        |
| 10                    | 01SH0ZZ              | Reposition Peroneal Nerve, Open Approach                     | 9                  | Other OR therapist        |
| 10                    | 01SH3ZZ              | Reposition Peroneal Nerve, Percutaneous Approach             | 9                  | Other OR therapist        |
| 10                    | 01SH4ZZ              | Reposition Peroneal Nerve, Percutaneous Endoscopic Approach  | 9                  | Other OR therapist        |
| 10                    | 01SQ0ZZ              | Reposition Sacral Plexus, Open Approach                      | 9                  | Other OR therapist        |
| 10                    | 01SQ3ZZ              | Reposition Sacral Plexus, Percutaneous Approach              | 9                  | Other OR therapist        |
| 10                    | 01SQ4ZZ              | Reposition Sacral Plexus, Percutaneous Endoscopic Approach   | 9                  | Other OR therapist        |
| 10                    | 01SR0ZZ              | Reposition Sacral Nerve, Open Approach                       | 9                  | Other OR therapist        |
| 10                    | 01SR3ZZ              | Reposition Sacral Nerve, Percutaneous Approach               | 9                  | Other OR therapist        |
| 10                    | 01SR4ZZ              | Reposition Sacral Nerve, Percutaneous Endoscopic Approach    | 9                  | Other OR therapist        |
| 10                    | 01U107Z              | Supplement Cervical Nerve with Autol Sub, Open Approach      | 9                  | Other OR therapist        |
| 10                    | 01U137Z              | Supplement Cervical Nerve with Autol Sub, Perc Approach      | 9                  | Other OR therapist        |
| 10                    | 01U147Z              | Supplement Cervical Nerve with Autol Sub, Perc Endo Approach | 9                  | Other OR therapist        |
| 10                    | 01U207Z              | Supplement Phrenic Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapist        |
| 10                    | 01U237Z              | Supplement Phrenic Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapist        |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 01U247Z              | Supplement Phrenic Nerve with Autol Sub, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01U407Z              | Supplement Ulnar Nerve with Autol Sub, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01U437Z              | Supplement Ulnar Nerve with Autol Sub, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 01U447Z              | Supplement Ulnar Nerve with Autol Sub, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01U507Z              | Supplement Median Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U537Z              | Supplement Median Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U547Z              | Supplement Median Nerve with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01U607Z              | Supplement Radial Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U637Z              | Supplement Radial Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U647Z              | Supplement Radial Nerve with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01U807Z              | Supplement Thoracic Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01U837Z              | Supplement Thoracic Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 01U847Z              | Supplement Thoracic Nerve with Autol Sub, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01U807Z              | Supplement Lumbar Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U837Z              | Supplement Lumbar Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 01U847Z              | Supplement Lumbar Nerve with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01UC07Z              | Supplement Pudendal Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01UC37Z              | Supplement Pudendal Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 01UC47Z              | Supplement Pudendal Nerve with Autol Sub, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01UD07Z              | Supplement Femoral Nerve with Autol Sub, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01UD03Z              | Supplement Femoral Nerve with Autol Sub, Perc Approach      | 9                  | Other OR therapeu         |
| 10                    | 01UD04Z              | Supplement Femoral Nerve with Autol Sub, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01UF07Z              | Supplement Sciatic Nerve with Autol Sub, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01UF37Z              | Supplement Sciatic Nerve with Autol Sub, Perc Approach      | 9                  | Other OR therapeu         |
| 10                    | 01UF47Z              | Supplement Sciatic Nerve with Autol Sub, Perc Endo Approach | 9                  | Other OR therapeu         |
| 10                    | 01UG07Z              | Supplement Tibial Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01UG37Z              | Supplement Tibial Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 01UG47Z              | Supplement Tibial Nerve with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01UH07Z              | Supplement Peroneal Nerve with Autol Sub, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01UH37Z              | Supplement Peroneal Nerve with Autol Sub, Perc Approach     | 9                  | Other OR therapeu         |
| 10                    | 01UH47Z              | Supplement Peroneal Nerve with Autol Sub, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01UR07Z              | Supplement Sacral Nerve with Autol Sub, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01UR37Z              | Supplement Sacral Nerve with Autol Sub, Perc Approach       | 9                  | Other OR therapeu         |
| 10                    | 01UR47Z              | Supplement Sacral Nerve with Autol Sub, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01WY00Z              | Revision of Drainage Device in Periph Nrv, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01WY02Z              | Revision of Monitoring Device in Periph Nrv, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 01WY07Z              | Revision of Autol Sub in Periph Nrv, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 01WY0MZ              | Revision of Neuro Lead in Periph Nrv, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 01WY30Z              | Revision of Drainage Device in Periph Nrv, Perc Approach    | 9                  | Other OR therapeu         |
| 10                    | 01WY32Z              | Revision of Monitoring Device in Periph Nrv, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 01WY37Z              | Revision of Autol Sub in Periph Nrv, Perc Approach          | 9                  | Other OR therapeu         |
| 10                    | 01WY3MZ              | Revision of Neuro Lead in Periph Nrv, Perc Approach         | 9                  | Other OR therapeu         |
| 10                    | 01WY40Z              | Revision of Drain Dev in Periph Nrv, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 01WY42Z              | Revision of Monitor Dev in Periph Nrv, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01WY47Z              | Revision of Autol Sub in Periph Nrv, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 01WY4MZ              | Revision of Neuro Lead in Periph Nrv, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X1021              | Transfer Cervical Nerve to Cervical Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X1022              | Transfer Cervical Nerve to Phrenic Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01X1421              | Transfer Cervical Nerve to Cervical Nrv, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01X1422              | Transfer Cervical Nerve to Phrenic Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01X2021              | Transfer Phrenic Nerve to Cervical Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01X2022              | Transfer Phrenic Nerve to Phrenic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01X2421              | Transfer Phrenic Nerve to Cervical Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01X2422              | Transfer Phrenic Nerve to Phrenic Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01X4024              | Transfer Ulnar Nerve to Ulnar Nerve, Open Approach          | 9                  | Other OR therapeu         |
| 10                    | 01X4025              | Transfer Ulnar Nerve to Median Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 01X4026              | Transfer Ulnar Nerve to Radial Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 01X4424              | Transfer Ulnar Nerve to Ulnar Nerve, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 01X4425              | Transfer Ulnar Nerve to Median Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X4426              | Transfer Ulnar Nerve to Radial Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X5024              | Transfer Median Nerve to Ulnar Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 01X5025              | Transfer Median Nerve to Median Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01X5026              | Transfer Median Nerve to Radial Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01X5424              | Transfer Median Nerve to Ulnar Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X5425              | Transfer Median Nerve to Median Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01X5426              | Transfer Median Nerve to Radial Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01X6024              | Transfer Radial Nerve to Ulnar Nerve, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | 01X6025              | Transfer Radial Nerve to Median Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01X6026              | Transfer Radial Nerve to Radial Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01X6424              | Transfer Radial Nerve to Ulnar Nerve, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X6425              | Transfer Radial Nerve to Median Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01X6426              | Transfer Radial Nerve to Radial Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01X8028              | Transfer Thoracic Nerve to Thoracic Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01X8428              | Transfer Thoracic Nerve to Thor Nrv, Perc Endo Approach     | 9                  | Other OR therapeu         |
| 10                    | 01X8028              | Transfer Lumbar Nerve to Lumbar Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01X802C              | Transfer Lumbar Nerve to Perineal Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01X8428              | Transfer Lumbar Nerve to Lumbar Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01X842C              | Transfer Lumbar Nerve to Perineal Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XC02B              | Transfer Pudendal Nerve to Lumbar Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XC02C              | Transfer Pudendal Nerve to Perineal Nerve, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 01XC42B              | Transfer Pudendal Nerve to Lumbar Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XC42C              | Transfer Pudendal Nerve to Perineal Nrv, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XD02D              | Transfer Femoral Nerve to Femoral Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XD02F              | Transfer Femoral Nerve to Sciatic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XD02G              | Transfer Femoral Nerve to Tibial Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01XD02H              | Transfer Femoral Nerve to Peroneal Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01XD42D              | Transfer Femoral Nerve to Femoral Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XD42F              | Transfer Femoral Nerve to Sciatic Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XD42G              | Transfer Femoral Nerve to Tibial Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01XD42H              | Transfer Femoral Nerve to Peroneal Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01XF02D              | Transfer Sciatic Nerve to Femoral Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XF02F              | Transfer Sciatic Nerve to Sciatic Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XF02G              | Transfer Sciatic Nerve to Tibial Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01XF02H              | Transfer Sciatic Nerve to Peroneal Nerve, Open Approach     | 9                  | Other OR therapeu         |
| 10                    | 01XF42D              | Transfer Sciatic Nerve to Femoral Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XF42F              | Transfer Sciatic Nerve to Sciatic Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | 01XF42G              | Transfer Sciatic Nerve to Tibial Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01XF42H              | Transfer Sciatic Nerve to Peroneal Nerve, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 01XG02D              | Transfer Tibial Nerve to Femoral Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01XG02F              | Transfer Tibial Nerve to Sciatic Nerve, Open Approach       | 9                  | Other OR therapeu         |
| 10                    | 01XG02G              | Transfer Tibial Nerve to Tibial Nerve, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 01XG02H              | Transfer Tibial Nerve to Peroneal Nerve, Open Approach      | 9                  | Other OR therapeu         |
| 10                    | 01XG42D              | Transfer Tibial Nerve to Femoral Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01XG42F              | Transfer Tibial Nerve to Sciatic Nerve, Perc Endo Approach  | 9                  | Other OR therapeu         |
| 10                    | 01XG42G              | Transfer Tibial Nerve to Tibial Nerve, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 01XG42H              | Transfer Tibial Nerve to Peroneal Nerve, Perc Endo Approac  | 9                  | Other OR therapeu         |









The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 021K01Q              | Bypass R Ventricle to R Pulm Art w Synth Sub, Open           | 49                 | Other OR heart pr         |
| 10                    | 021K01R              | Bypass R Ventricle to L Pulm Art w Synth Sub, Open           | 49                 | Other OR heart pr         |
| 10                    | 021K01P              | Bypass R Ventricle to Pulm Trunk w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021K01K              | Bypass R Ventricle to R Pulm Art w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021K01R              | Bypass R Ventricle to L Pulm Art w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021K025              | Bypass Right Ventricle to Cor Circ, Open Approach            | 49                 | Other OR heart pr         |
| 10                    | 021K028              | Bypass Right Ventricle to R Int Mammary, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 021K029              | Bypass Right Ventricle to L Int Mammary, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 021K02C              | Bypass Right Ventricle to Thoracic Artery, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 021K02F              | Bypass Right Ventricle to Abdominal Artery, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 021K02P              | Bypass Right Ventricle to Pulmonary Trunk, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 021K02Q              | Bypass Right Ventricle to R Pulm Art, Open Approach          | 49                 | Other OR heart pr         |
| 10                    | 021K02R              | Bypass Right Ventricle to L Pulm Art, Open Approach          | 49                 | Other OR heart pr         |
| 10                    | 021K02W              | Bypass Right Ventricle to Aorta, Open Approach               | 49                 | Other OR heart pr         |
| 10                    | 021K48P              | Bypass R Ventricle to Pulm Trunk w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K48Q              | Bypass R Ventricle to R Pulm Art w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K48R              | Bypass R Ventricle to L Pulm Art w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K49P              | Bypass R Ventricle to Pulm Trunk w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021K49Q              | Bypass R Ventricle to R Pulm Art w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021K49R              | Bypass R Ventricle to L Pulm Art w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021K4AP              | Bypass R Ventricle to Pulm Trunk w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4AQ              | Bypass R Ventricle to R Pulm Art w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4AR              | Bypass R Ventricle to L Pulm Art w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4JP              | Bypass R Ventricle to Pulm Trunk w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4JQ              | Bypass R Ventricle to R Pulm Art w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4JR              | Bypass R Ventricle to L Pulm Art w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021K4KP              | Bypass R Ventricle to Pulm Trunk w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K4KQ              | Bypass R Ventricle to R Pulm Art w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K4KR              | Bypass R Ventricle to L Pulm Art w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021K4Z5              | Bypass Right Ventricle to Cor Circ, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 021K4Z8              | Bypass Right Ventricle to R Int Mammary, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 021K4Z9              | Bypass Right Ventricle to L Int Mammary, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 021K4ZC              | Bypass Right Ventricle to Thor Art, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 021K4ZF              | Bypass Right Ventricle to Abd Art, Perc Endo Approach        | 49                 | Other OR heart pr         |
| 10                    | 021K4ZP              | Bypass Right Ventricle to Pulm Trunk, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 021K4ZQ              | Bypass Right Ventricle to R Pulm Art, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 021K4ZR              | Bypass Right Ventricle to L Pulm Art, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 021K4ZW              | Bypass Right Ventricle to Aorta, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 021L08P              | Bypass L Ventricle to Pulm Trunk w Zooplastic, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L08Q              | Bypass L Ventricle to R Pulm Art w Zooplastic, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L08R              | Bypass L Ventricle to L Pulm Art w Zooplastic, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L09P              | Bypass L Ventricle to Pulm Trunk w Autol Vn, Open            | 49                 | Other OR heart pr         |
| 10                    | 021L09Q              | Bypass L Ventricle to R Pulm Art w Autol Vn, Open            | 49                 | Other OR heart pr         |
| 10                    | 021L09R              | Bypass L Ventricle to L Pulm Art w Autol Vn, Open            | 49                 | Other OR heart pr         |
| 10                    | 021L0AP              | Bypass L Ventricle to Pulm Trunk w Autol Art, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0AQ              | Bypass L Ventricle to R Pulm Art w Autol Art, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0AR              | Bypass L Ventricle to L Pulm Art w Autol Art, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0JP              | Bypass L Ventricle to Pulm Trunk w Synth Sub, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0JQ              | Bypass L Ventricle to R Pulm Art w Synth Sub, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0JR              | Bypass L Ventricle to L Pulm Art w Synth Sub, Open           | 49                 | Other OR heart pr         |
| 10                    | 021L0KP              | Bypass L Ventricle to Pulm Trunk w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L0KQ              | Bypass L Ventricle to R Pulm Art w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L0KR              | Bypass L Ventricle to L Pulm Art w Nonaut Sub, Open          | 49                 | Other OR heart pr         |
| 10                    | 021L0Z5              | Bypass Left Ventricle to Coronary Circulation, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 021L0Z8              | Bypass Left Ventricle to R Int Mammary, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 021L0Z9              | Bypass Left Ventricle to L Int Mammary, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 021L0ZC              | Bypass Left Ventricle to Thoracic Artery, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 021L0ZF              | Bypass Left Ventricle to Abdominal Artery, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 021L0ZP              | Bypass Left Ventricle to Pulmonary Trunk, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 021L0ZQ              | Bypass Left Ventricle to R Pulm Art, Open Approach           | 49                 | Other OR heart pr         |
| 10                    | 021L0ZR              | Bypass Left Ventricle to L Pulm Art, Open Approach           | 49                 | Other OR heart pr         |
| 10                    | 021L0ZW              | Bypass Left Ventricle to Aorta, Open Approach                | 49                 | Other OR heart pr         |
| 10                    | 021L48P              | Bypass L Ventricle to Pulm Trunk w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L48Q              | Bypass L Ventricle to R Pulm Art w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L48R              | Bypass L Ventricle to L Pulm Art w Zooplastic, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L49P              | Bypass L Ventricle to Pulm Trunk w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021L49Q              | Bypass L Ventricle to R Pulm Art w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021L49R              | Bypass L Ventricle to L Pulm Art w Autol Vn, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 021L4AP              | Bypass L Ventricle to Pulm Trunk w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4AQ              | Bypass L Ventricle to R Pulm Art w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4AR              | Bypass L Ventricle to L Pulm Art w Autol Art, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4JP              | Bypass L Ventricle to Pulm Trunk w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4JQ              | Bypass L Ventricle to R Pulm Art w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4JR              | Bypass L Ventricle to L Pulm Art w Synth Sub, Perc Endo      | 49                 | Other OR heart pr         |
| 10                    | 021L4KP              | Bypass L Ventricle to Pulm Trunk w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L4KQ              | Bypass L Ventricle to R Pulm Art w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L4KR              | Bypass L Ventricle to L Pulm Art w Nonaut Sub, Perc Endo     | 49                 | Other OR heart pr         |
| 10                    | 021L4Z5              | Bypass Left Ventricle to Cor Circ, Perc Endo Approach        | 49                 | Other OR heart pr         |
| 10                    | 021L4Z8              | Bypass Left Ventricle to R Int Mammary, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 021L4Z9              | Bypass Left Ventricle to L Int Mammary, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 021L4ZC              | Bypass Left Ventricle to Thoracic Artery, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 021L4ZF              | Bypass Left Ventricle to Abd Art, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 021L4ZP              | Bypass Left Ventricle to Pulmonary Trunk, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 021L4ZQ              | Bypass Left Ventricle to R Pulm Art, Perc Endo Approach      | 49                 | Other OR heart pr         |
| 10                    | 021L4ZR              | Bypass Left Ventricle to L Pulm Art, Perc Endo Approach      | 49                 | Other OR heart pr         |
| 10                    | 021L4ZW              | Bypass Left Ventricle to Aorta, Perc Endo Approach           | 49                 | Other OR heart pr         |
| 10                    | 021P08A              | Bypass Pulm Trunk from Innom Art w Zooplastic, Open          | 56                 | Other vascular by         |
| 10                    | 021P08B              | Bypass Pulm Trunk from Subclav w Zooplastic, Open            | 56                 | Other vascular by         |
| 10                    | 021P08D              | Bypass Pulm Trunk from Carotid w Zooplastic, Open            | 56                 | Other vascular by         |
| 10                    | 021P09A              | Bypass Pulm Trunk from Innom Art w Autol Vn, Open            | 56                 | Other vascular by         |
| 10                    | 021P09B              | Bypass Pulm Trunk from Subclav with Autol Vn, Open Approach  | 56                 | Other vascular by         |
| 10                    | 021P09D              | Bypass Pulm Trunk from Carotid with Autol Vn, Open Approach  | 56                 | Other vascular by         |
| 10                    | 021P0AA              | Bypass Pulm Trunk from Innom Art w Autol Art, Open           | 56                 | Other vascular by         |
| 10                    | 021P0AB              | Bypass Pulm Trunk from Subclav with Autol Art, Open Approach | 56                 | Other vascular by         |
| 10                    | 021P0AD              | Bypass Pulm Trunk from Carotid with Autol Art, Open Approach | 56                 | Other vascular by         |
| 10                    | 021P0JA              | Bypass Pulm Trunk from Innom Art w Synth Sub, Open           | 56                 | Other vascular by         |
| 10                    | 021P0JB              | Bypass Pulm Trunk from Subclav with Synth Sub, Open Approach | 56                 | Other vascular by         |
| 10                    | 021P0JD              | Bypass Pulm Trunk from Carotid with Synth Sub, Open Approach | 56                 | Other vascular by         |
| 10                    | 021P0KA              | Bypass Pulm Trunk from Innom Art w Nonaut Sub, Open          | 56                 | Other vascular by         |
| 10                    | 021P0KB              | Bypass Pulm Trunk from Subclav w Nonaut Sub, Open            | 56                 | Other vascular by         |
| 10                    | 021P0KD              | Bypass Pulm Trunk from Carotid w Nonaut Sub, Open            | 56                 | Other vascular by         |
| 10                    | 021P0ZA              | Bypass Pulm Trunk from Innom Art with No Dev, Open Approach  | 56                 | Other vascular by         |
| 10                    | 021P0ZB              | Bypass Pulm Trunk from Subclav with No Dev, Open Approach    | 56                 | Other vascular by         |
| 10                    | 021P0ZD              | Bypass Pulm Trunk from Carotid with No Dev, Open Approach    | 56                 | Other vascular by         |
| 10                    | 021P48A              | Bypass Pulm Trunk from Innom Art w Zooplastic, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 021P48B              | Bypass Pulm Trunk from Subclav w Zooplastic, Perc Endo       | 56                 | Other vascular by         |







The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 021W4KP              | Bypass Thor Aorta Desc to Pulm Trunk w Nonaut Sub, Perc En | 56                 | Other vascular by         |
| 10                    | 021W4KQ              | Bypass Thor Aorta Desc to R Pulm Art w Nonaut Sub, Perc En | 56                 | Other vascular by         |
| 10                    | 021W4KR              | Bypass Thor Aorta Desc to L Pulm Art w Nonaut Sub, Perc En | 56                 | Other vascular by         |
| 10                    | 021W4ZB              | Bypass Thor Aorta Desc to Subclav, Perc Endo Approach      | 56                 | Other vascular by         |
| 10                    | 021W4ZD              | Bypass Thor Aorta Desc to Carotid, Perc Endo Approach      | 56                 | Other vascular by         |
| 10                    | 021W4ZP              | Bypass Thor Aorta Desc to Pulm Trunk, Perc Endo Approach   | 56                 | Other vascular by         |
| 10                    | 021W4ZQ              | Bypass Thor Aorta Desc to R Pulm Art, Perc Endo Approach   | 56                 | Other vascular by         |
| 10                    | 021W4ZR              | Bypass Thor Aorta Desc to L Pulm Art, Perc Endo Approach   | 56                 | Other vascular by         |
| 10                    | 021X08B              | Bypass Thor Aorta Asc to Subclav w Zooplastic, Open        | 56                 | Other vascular by         |
| 10                    | 021X08D              | Bypass Thor Aorta Asc to Carotid w Zooplastic, Open        | 56                 | Other vascular by         |
| 10                    | 021X08P              | Bypass Thor Aorta Asc to Pulm Trunk w Zooplastic, Open     | 56                 | Other vascular by         |
| 10                    | 021X08Q              | Bypass Thor Aorta Asc to R Pulm Art w Zooplastic, Open     | 56                 | Other vascular by         |
| 10                    | 021X08R              | Bypass Thor Aorta Asc to L Pulm Art w Zooplastic, Open     | 56                 | Other vascular by         |
| 10                    | 021X09B              | Bypass Thor Aorta Asc to Subclav w Autol Vn, Open          | 56                 | Other vascular by         |
| 10                    | 021X09D              | Bypass Thor Aorta Asc to Carotid w Autol Vn, Open          | 56                 | Other vascular by         |
| 10                    | 021X09P              | Bypass Thor Aorta Asc to Pulm Trunk w Autol Vn, Open       | 56                 | Other vascular by         |
| 10                    | 021X09Q              | Bypass Thor Aorta Asc to R Pulm Art w Autol Vn, Open       | 56                 | Other vascular by         |
| 10                    | 021X09R              | Bypass Thor Aorta Asc to L Pulm Art w Autol Vn, Open       | 56                 | Other vascular by         |
| 10                    | 021X0AB              | Bypass Thor Aorta Asc to Subclav w Autol Art, Open         | 56                 | Other vascular by         |
| 10                    | 021X0AD              | Bypass Thor Aorta Asc to Carotid w Autol Art, Open         | 56                 | Other vascular by         |
| 10                    | 021X0AP              | Bypass Thor Aorta Asc to Pulm Trunk w Autol Art, Open      | 56                 | Other vascular by         |
| 10                    | 021X0AQ              | Bypass Thor Aorta Asc to R Pulm Art w Autol Art, Open      | 56                 | Other vascular by         |
| 10                    | 021X0AR              | Bypass Thor Aorta Asc to L Pulm Art w Autol Art, Open      | 56                 | Other vascular by         |
| 10                    | 021X0JB              | Bypass Thor Aorta Asc to Subclav w Synth Sub, Open         | 56                 | Other vascular by         |
| 10                    | 021X0JD              | Bypass Thor Aorta Asc to Carotid w Synth Sub, Open         | 56                 | Other vascular by         |
| 10                    | 021X0JP              | Bypass Thor Aorta Asc to Pulm Trunk w Synth Sub, Open      | 56                 | Other vascular by         |
| 10                    | 021X0JQ              | Bypass Thor Aorta Asc to R Pulm Art w Synth Sub, Open      | 56                 | Other vascular by         |
| 10                    | 021X0JR              | Bypass Thor Aorta Asc to L Pulm Art w Synth Sub, Open      | 56                 | Other vascular by         |
| 10                    | 021X0KB              | Bypass Thor Aorta Asc to Subclav w Nonaut Sub, Open        | 56                 | Other vascular by         |
| 10                    | 021X0KD              | Bypass Thor Aorta Asc to Carotid w Nonaut Sub, Open        | 56                 | Other vascular by         |
| 10                    | 021X0KP              | Bypass Thor Aorta Asc to Pulm Trunk w Nonaut Sub, Open     | 56                 | Other vascular by         |
| 10                    | 021X0KQ              | Bypass Thor Aorta Asc to R Pulm Art w Nonaut Sub, Open     | 56                 | Other vascular by         |
| 10                    | 021X0KR              | Bypass Thor Aorta Asc to L Pulm Art w Nonaut Sub, Open     | 56                 | Other vascular by         |
| 10                    | 021X0ZB              | Bypass Thor Aorta Asc to Subclav, Open Approach            | 56                 | Other vascular by         |
| 10                    | 021X0ZD              | Bypass Thor Aorta Asc to Carotid, Open Approach            | 56                 | Other vascular by         |
| 10                    | 021X0ZP              | Bypass Thor Aorta Asc to Pulm Trunk, Open Approach         | 56                 | Other vascular by         |
| 10                    | 021X0ZQ              | Bypass Thor Aorta Asc to R Pulm Art, Open Approach         | 56                 | Other vascular by         |
| 10                    | 021X0ZR              | Bypass Thor Aorta Asc to L Pulm Art, Open Approach         | 56                 | Other vascular by         |
| 10                    | 021X48B              | Bypass Thor Aorta Asc to Subclav w Zooplastic, Perc Endo   | 56                 | Other vascular by         |
| 10                    | 021X48D              | Bypass Thor Aorta Asc to Carotid w Zooplastic, Perc Endo   | 56                 | Other vascular by         |
| 10                    | 021X48P              | Bypass Thor Aorta Asc to Pulm Trunk w Zooplastic, Perc End | 56                 | Other vascular by         |
| 10                    | 021X48Q              | Bypass Thor Aorta Asc to R Pulm Art w Zooplastic, Perc End | 56                 | Other vascular by         |
| 10                    | 021X48R              | Bypass Thor Aorta Asc to L Pulm Art w Zooplastic, Perc End | 56                 | Other vascular by         |
| 10                    | 021X49B              | Bypass Thor Aorta Asc to Subclav w Autol Vn, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 021X49D              | Bypass Thor Aorta Asc to Carotid w Autol Vn, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 021X49P              | Bypass Thor Aorta Asc to Pulm Trunk w Autol Vn, Perc Endo  | 56                 | Other vascular by         |
| 10                    | 021X49Q              | Bypass Thor Aorta Asc to R Pulm Art w Autol Vn, Perc Endo  | 56                 | Other vascular by         |
| 10                    | 021X49R              | Bypass Thor Aorta Asc to L Pulm Art w Autol Vn, Perc Endo  | 56                 | Other vascular by         |
| 10                    | 021X4AB              | Bypass Thor Aorta Asc to Subclav w Autol Art, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 021X4AD              | Bypass Thor Aorta Asc to Carotid w Autol Art, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 021X4AP              | Bypass Thor Aorta Asc to Pulm Trunk w Autol Art, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4AQ              | Bypass Thor Aorta Asc to R Pulm Art w Autol Art, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4AR              | Bypass Thor Aorta Asc to L Pulm Art w Autol Art, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4JB              | Bypass Thor Aorta Asc to Subclav w Synth Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 021X4JD              | Bypass Thor Aorta Asc to Carotid w Synth Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 021X4JP              | Bypass Thor Aorta Asc to Pulm Trunk w Synth Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4JQ              | Bypass Thor Aorta Asc to R Pulm Art w Synth Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4JR              | Bypass Thor Aorta Asc to L Pulm Art w Synth Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 021X4KB              | Bypass Thor Aorta Asc to Subclav w Nonaut Sub, Perc Endo   | 56                 | Other vascular by         |
| 10                    | 021X4KD              | Bypass Thor Aorta Asc to Carotid w Nonaut Sub, Perc Endo   | 56                 | Other vascular by         |
| 10                    | 021X4KP              | Bypass Thor Aorta Asc to Pulm Trunk w Nonaut Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 021X4KQ              | Bypass Thor Aorta Asc to R Pulm Art w Nonaut Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 021X4KR              | Bypass Thor Aorta Asc to L Pulm Art w Nonaut Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 021X4ZB              | Bypass Thor Aorta Asc to Subclav, Perc Endo Approach       | 56                 | Other vascular by         |
| 10                    | 021X4ZD              | Bypass Thor Aorta Asc to Carotid, Perc Endo Approach       | 56                 | Other vascular by         |
| 10                    | 021X4ZP              | Bypass Thor Aorta Asc to Pulm Trunk, Perc Endo Approach    | 56                 | Other vascular by         |
| 10                    | 021X4ZQ              | Bypass Thor Aorta Asc to R Pulm Art, Perc Endo Approach    | 56                 | Other vascular by         |
| 10                    | 021X4ZR              | Bypass Thor Aorta Asc to L Pulm Art, Perc Endo Approach    | 56                 | Other vascular by         |
| 10                    | 024F07J              | Create Aort Valve from Trunc Vlv w Autol Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 024F08J              | Create Aort Valve from Trunc Vlv w Zooplastic, Open        | 43                 | Heart valve proce         |
| 10                    | 024F09J              | Create Aort Valve from Trunc Vlv w Synth Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 024F0KJ              | Create Aort Valve from Trunc Vlv w Nonaut Sub, Open        | 43                 | Heart valve proce         |
| 10                    | 024G07Z              | Create Mitral Valve from Comm AV Valve w Autol Sub, Open   | 43                 | Heart valve proce         |
| 10                    | 024G08Z              | Create Mitral Valve from Comm AV Valve w Zooplastic, Open  | 43                 | Heart valve proce         |
| 10                    | 024G0JZ              | Create Mitral Valve from Comm AV Valve w Synth Sub, Open   | 43                 | Heart valve proce         |
| 10                    | 024G0KZ              | Create Mitral Valve from Comm AV Valve w Nonaut Sub, Open  | 43                 | Heart valve proce         |
| 10                    | 024J07Z              | Create Tricus Valve from Comm AV Valve w Autol Sub, Open   | 43                 | Heart valve proce         |
| 10                    | 024J08Z              | Create Tricus Valve from Comm AV Valve w Zooplastic, Open  | 43                 | Heart valve proce         |
| 10                    | 024J0JZ              | Create Tricus Valve from Comm AV Valve w Synth Sub, Open   | 43                 | Heart valve proce         |
| 10                    | 024J0KZ              | Create Tricus Valve from Comm AV Valve w Nonaut Sub, Open  | 43                 | Heart valve proce         |
| 10                    | 02540ZZ              | Destruction of Coronary Vein, Open Approach                | 49                 | Other OR heart pr         |
| 10                    | 02543ZZ              | Destruction of Coronary Vein, Percutaneous Approach        | 49                 | Other OR heart pr         |
| 10                    | 02544ZZ              | Destruction of Coronary Vein, Perc Endo Approach           | 49                 | Other OR heart pr         |
| 10                    | 02550ZZ              | Destruction of Atrial Septum, Open Approach                | 49                 | Other OR heart pr         |
| 10                    | 02553ZZ              | Destruction of Atrial Septum, Percutaneous Approach        | 49                 | Other OR heart pr         |
| 10                    | 02554ZZ              | Destruction of Atrial Septum, Perc Endo Approach           | 49                 | Other OR heart pr         |
| 10                    | 02560ZZ              | Destruction of Right Atrium, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 02563ZZ              | Destruction of Right Atrium, Percutaneous Approach         | 49                 | Other OR heart pr         |
| 10                    | 02564ZZ              | Destruction of Right Atrium, Perc Endo Approach            | 49                 | Other OR heart pr         |
| 10                    | 02570ZZ              | Destruction of Left Atrium, Open Approach                  | 49                 | Other OR heart pr         |
| 10                    | 02573ZZ              | Destruction of Left Atrium, Percutaneous Approach          | 49                 | Other OR heart pr         |
| 10                    | 02574ZZ              | Destruction of Left Atrium, Percutaneous Endoscopic Appoa  | 49                 | Other OR heart pr         |
| 10                    | 02580ZZ              | Destruction of Conduction Mechanism, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02583ZZ              | Destruction of Conduction Mechanism, Percutaneous Approach | 49                 | Other OR heart pr         |
| 10                    | 02584ZZ              | Destruction of Conduction Mechanism, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02590ZZ              | Destruction of Chordae Tendineae, Open Approach            | 49                 | Other OR heart pr         |
| 10                    | 02593ZZ              | Destruction of Chordae Tendineae, Percutaneous Approach    | 49                 | Other OR heart pr         |
| 10                    | 02594ZZ              | Destruction of Chordae Tendineae, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 025D0ZZ              | Destruction of Papillary Muscle, Open Approach             | 49                 | Other OR heart pr         |
| 10                    | 025D3ZZ              | Destruction of Papillary Muscle, Percutaneous Approach     | 49                 | Other OR heart pr         |
| 10                    | 025D4ZZ              | Destruction of Papillary Muscle, Perc Endo Approach        | 49                 | Other OR heart pr         |
| 10                    | 025F0ZZ              | Destruction of Aortic Valve, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 025F3ZZ              | Destruction of Aortic Valve, Percutaneous Approach         | 49                 | Other OR heart pr         |
| 10                    | 025F4ZZ              | Destruction of Aortic Valve, Perc Endo Approach            | 49                 | Other OR heart pr         |
| 10                    | 025G0ZZ              | Destruction of Mitral Valve, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 025G3ZZ              | Destruction of Mitral Valve, Percutaneous Approach         | 49                 | Other OR heart pr         |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 02730FZ              | Dilation of 4+ Cor Art with 3 Intralum Dev, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02730G6              | Dilate 4+ Cor Art, Bifurc, w 4+ Intralum Dev, Open           | 49                 | Other OR heart pr         |
| 10                    | 02730GZ              | Dilation of 4+ Cor Art with 4+ Intralum Dev, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02730T6              | Dilate 4+ Cor Art, Bifurc, w Radioact Intralum, Open         | 49                 | Other OR heart pr         |
| 10                    | 02730TZ              | Dilation of 4+ Cor Art with Radioact Intralum, Open Approa   | 49                 | Other OR heart pr         |
| 10                    | 02730Z6              | Dilation of 4+ Cor Art, Bifurc, Open Approach                | 49                 | Other OR heart pr         |
| 10                    | 02730ZZ              | Dilation of 4+ Cor Art, Open Approach                        | 49                 | Other OR heart pr         |
| 10                    | 0273346              | Dilate 4+ Cor Art, Bifurc, w Drug-elut Intra, Perc           | 45                 | Percutaneous tran         |
| 10                    | 027334Z              | Dilation of 4+ Cor Art with Drug-elut Intra, Perc Approach   | 45                 | Percutaneous tran         |
| 10                    | 0273356              | Dilate 4+ Cor Art, Bifurc, w 2 Drug-elut, Perc               | 45                 | Percutaneous tran         |
| 10                    | 027335Z              | Dilation of 4+ Cor Art with 2 Drug-elut, Perc Approach       | 45                 | Percutaneous tran         |
| 10                    | 0273366              | Dilate 4+ Cor Art, Bifurc, w 3 Drug-elut, Perc               | 45                 | Percutaneous tran         |
| 10                    | 027336Z              | Dilation of 4+ Cor Art with 3 Drug-elut, Perc Approach       | 45                 | Percutaneous tran         |
| 10                    | 0273376              | Dilate 4+ Cor Art, Bifurc, w 4 Drug-elut, Perc               | 45                 | Percutaneous tran         |
| 10                    | 027337Z              | Dilation of 4+ Cor Art with 4 Drug-elut, Perc Approach       | 45                 | Percutaneous tran         |
| 10                    | 02733D6              | Dilate 4+ Cor Art, Bifurc, w Intralum Dev, Perc              | 45                 | Percutaneous tran         |
| 10                    | 02733DZ              | Dilation of 4+ Cor Art with Intralum Dev, Perc Approach      | 45                 | Percutaneous tran         |
| 10                    | 02733E6              | Dilate 4+ Cor Art, Bifurc, w 2 Intralum Dev, Perc            | 45                 | Percutaneous tran         |
| 10                    | 02733EZ              | Dilation of 4+ Cor Art with 2 Intralum Dev, Perc Approach    | 45                 | Percutaneous tran         |
| 10                    | 02733F6              | Dilate 4+ Cor Art, Bifurc, w 3 Intralum Dev, Perc            | 45                 | Percutaneous tran         |
| 10                    | 02733FZ              | Dilation of 4+ Cor Art with 3 Intralum Dev, Perc Approach    | 45                 | Percutaneous tran         |
| 10                    | 02733G6              | Dilate 4+ Cor Art, Bifurc, w 4+ Intralum Dev, Perc           | 45                 | Percutaneous tran         |
| 10                    | 02733GZ              | Dilation of 4+ Cor Art with 4+ Intralum Dev, Perc Approach   | 45                 | Percutaneous tran         |
| 10                    | 02733T6              | Dilate 4+ Cor Art, Bifurc, w Radioact Intralum, Perc         | 45                 | Percutaneous tran         |
| 10                    | 02733TZ              | Dilation of 4+ Cor Art with Radioact Intralum, Perc Approa   | 45                 | Percutaneous tran         |
| 10                    | 02733Z6              | Dilation of 4+ Cor Art, Bifurc, Perc Approach                | 45                 | Percutaneous tran         |
| 10                    | 02733ZZ              | Dilation of 4+ Cor Art, Perc Approach                        | 45                 | Percutaneous tran         |
| 10                    | 0273446              | Dilate 4+ Cor Art, Bifurc, w Drug-elut Intra, Perc Endo      | 45                 | Percutaneous tran         |
| 10                    | 027344Z              | Dilate 4+ Cor Art w Drug-elut Intra, Perc Endo               | 45                 | Percutaneous tran         |
| 10                    | 0273456              | Dilate 4+ Cor Art, Bifurc, w 2 Drug-elut, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 027345Z              | Dilation of 4+ Cor Art with 2 Drug-elut, Perc Endo Approa    | 45                 | Percutaneous tran         |
| 10                    | 0273466              | Dilate 4+ Cor Art, Bifurc, w 3 Drug-elut, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 027346Z              | Dilation of 4+ Cor Art with 3 Drug-elut, Perc Endo Approa    | 45                 | Percutaneous tran         |
| 10                    | 0273476              | Dilate 4+ Cor Art, Bifurc, w 4 Drug-elut, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 027347Z              | Dilation of 4+ Cor Art with 4 Drug-elut, Perc Endo Approa    | 45                 | Percutaneous tran         |
| 10                    | 02734D6              | Dilate 4+ Cor Art, Bifurc, w Intralum Dev, Perc Endo         | 45                 | Percutaneous tran         |
| 10                    | 02734DZ              | Dilation of 4+ Cor Art with Intralum Dev, Perc Endo Approa   | 45                 | Percutaneous tran         |
| 10                    | 02734E6              | Dilate 4+ Cor Art, Bifurc, w 2 Intralum Dev, Perc Endo       | 45                 | Percutaneous tran         |
| 10                    | 02734EZ              | Dilate of 4+ Cor Art with 2 Intralum Dev, Perc Endo Approa   | 45                 | Percutaneous tran         |
| 10                    | 02734F6              | Dilate 4+ Cor Art, Bifurc, w 3 Intralum Dev, Perc Endo       | 45                 | Percutaneous tran         |
| 10                    | 02734FZ              | Dilate of 4+ Cor Art with 3 Intralum Dev, Perc Endo Approa   | 45                 | Percutaneous tran         |
| 10                    | 02734G6              | Dilate 4+ Cor Art, Bifurc, w 4+ Intralum Dev, Perc Endo      | 45                 | Percutaneous tran         |
| 10                    | 02734GZ              | Dilate 4+ Cor Art w 4+ Intralum Dev, Perc Endo               | 45                 | Percutaneous tran         |
| 10                    | 02734T6              | Dilate 4+ Cor Art, Bifurc, w Radioact Intralum, Perc Endo    | 45                 | Percutaneous tran         |
| 10                    | 02734TZ              | Dilate 4+ Cor Art w Radioact Intralum, Perc Endo             | 45                 | Percutaneous tran         |
| 10                    | 02734Z6              | Dilation of 4+ Cor Art, Bifurc, Perc Endo Approach           | 45                 | Percutaneous tran         |
| 10                    | 02734ZZ              | Dilation of 4+ Cor Art, Perc Endo Approach                   | 45                 | Percutaneous tran         |
| 10                    | 027F04Z              | Dilation of Aortic Valve with Drug-elut Intra, Open Approa   | 43                 | Heart valve proce         |
| 10                    | 027F0DZ              | Dilation of Aortic Valve with Intralum Dev, Open Approach    | 43                 | Heart valve proce         |
| 10                    | 027F0ZZ              | Dilation of Aortic Valve, Open Approach                      | 43                 | Heart valve proce         |
| 10                    | 027F34Z              | Dilation of Aortic Valve with Drug-elut Intra, Perc Approa   | 43                 | Heart valve proce         |
| 10                    | 027F3DZ              | Dilation of Aortic Valve with Intralum Dev, Perc Approach    | 43                 | Heart valve proce         |
| 10                    | 027F3ZZ              | Dilation of Aortic Valve, Percutaneous Approach              | 43                 | Heart valve proce         |
| 10                    | 027F44Z              | Dilate Aort Valve w Drug-elut Intra, Perc Endo               | 43                 | Heart valve proce         |
| 10                    | 027F4DZ              | Dilation of Aort Valve with Intralum Dev, Perc Endo Approa   | 43                 | Heart valve proce         |
| 10                    | 027F4ZZ              | Dilation of Aortic Valve, Percutaneous Endoscopic Approach   | 43                 | Heart valve proce         |
| 10                    | 027G04Z              | Dilation of Mitral Valve with Drug-elut Intra, Open Approa   | 43                 | Heart valve proce         |
| 10                    | 027G0DZ              | Dilation of Mitral Valve with Intralum Dev, Open Approach    | 43                 | Heart valve proce         |
| 10                    | 027G0ZZ              | Dilation of Mitral Valve, Open Approach                      | 43                 | Heart valve proce         |
| 10                    | 027G34Z              | Dilation of Mitral Valve with Drug-elut Intra, Perc Approa   | 43                 | Heart valve proce         |
| 10                    | 027G3DZ              | Dilation of Mitral Valve with Intralum Dev, Perc Approach    | 43                 | Heart valve proce         |
| 10                    | 027G3ZZ              | Dilation of Mitral Valve, Percutaneous Approach              | 43                 | Heart valve proce         |
| 10                    | 027G44Z              | Dilate Mitral Valve w Drug-elut Intra, Perc Endo             | 43                 | Heart valve proce         |
| 10                    | 027G4DZ              | Dilate of Mitral Valve with Intralum Dev, Perc Endo Approa   | 43                 | Heart valve proce         |
| 10                    | 027G4ZZ              | Dilation of Mitral Valve, Percutaneous Endoscopic Approach   | 43                 | Heart valve proce         |
| 10                    | 027H04Z              | Dilation of Pulm Valve with Drug-elut Intra, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 027H0DZ              | Dilation of Pulmonary Valve with Intralum Dev, Open Approa   | 43                 | Heart valve proce         |
| 10                    | 027H0ZZ              | Dilation of Pulmonary Valve, Open Approach                   | 43                 | Heart valve proce         |
| 10                    | 027H34Z              | Dilation of Pulm Valve with Drug-elut Intra, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 027H3DZ              | Dilation of Pulmonary Valve with Intralum Dev, Perc Approa   | 43                 | Heart valve proce         |
| 10                    | 027H3ZZ              | Dilation of Pulmonary Valve, Percutaneous Approach           | 43                 | Heart valve proce         |
| 10                    | 027H44Z              | Dilate Pulm Valve w Drug-elut Intra, Perc Endo               | 43                 | Heart valve proce         |
| 10                    | 027H4DZ              | Dilation of Pulm Valve with Intralum Dev, Perc Endo Approa   | 43                 | Heart valve proce         |
| 10                    | 027H4ZZ              | Dilation of Pulmonary Valve, Perc Endo Approach              | 43                 | Heart valve proce         |
| 10                    | 027J04Z              | Dilate of Tricuspid Valve with Drug-elut Intra, Open Approac | 43                 | Heart valve proce         |
| 10                    | 027J0DZ              | Dilation of Tricuspid Valve with Intralum Dev, Open Approa   | 43                 | Heart valve proce         |
| 10                    | 027J0ZZ              | Dilation of Tricuspid Valve, Open Approach                   | 43                 | Heart valve proce         |
| 10                    | 027J34Z              | Dilate of Tricuspid Valve with Drug-elut Intra, Perc Approac | 43                 | Heart valve proce         |
| 10                    | 027J3DZ              | Dilation of Tricuspid Valve with Intralum Dev, Perc Approa   | 43                 | Heart valve proce         |
| 10                    | 027J3ZZ              | Dilation of Tricuspid Valve, Percutaneous Approach           | 43                 | Heart valve proce         |
| 10                    | 027J44Z              | Dilate Tricusp Valve w Drug-elut Intra, Perc Endo            | 43                 | Heart valve proce         |
| 10                    | 027J4DZ              | Dilate Tricusp Valve w Intralum Dev, Perc Endo               | 43                 | Heart valve proce         |
| 10                    | 027J4ZZ              | Dilation of Tricuspid Valve, Perc Endo Approach              | 43                 | Heart valve proce         |
| 10                    | 027K04Z              | Dilation of R Ventricle with Drug-elut Intra, Open Approac   | 49                 | Other OR heart pr         |
| 10                    | 027K0DZ              | Dilation of Right Ventricle with Intralum Dev, Open Approa   | 49                 | Other OR heart pr         |
| 10                    | 027K0ZZ              | Dilation of Right Ventricle, Open Approach                   | 49                 | Other OR heart pr         |
| 10                    | 027K34Z              | Dilation of R Ventricle with Drug-elut Intra, Perc Approac   | 49                 | Other OR heart pr         |
| 10                    | 027K3DZ              | Dilation of Right Ventricle with Intralum Dev, Perc Approa   | 49                 | Other OR heart pr         |
| 10                    | 027K3ZZ              | Dilation of Right Ventricle, Percutaneous Approach           | 49                 | Other OR heart pr         |
| 10                    | 027K44Z              | Dilate R Ventricle w Drug-elut Intra, Perc Endo              | 49                 | Other OR heart pr         |
| 10                    | 027K4DZ              | Dilate of R Ventricle with Intralum Dev, Perc Endo Approac   | 49                 | Other OR heart pr         |
| 10                    | 027K4ZZ              | Dilation of Right Ventricle, Perc Endo Approach              | 49                 | Other OR heart pr         |
| 10                    | 027R04T              | Dilate of Ductus Arterio with Drug-elut Intra, Open Approa   | 49                 | Other OR heart pr         |
| 10                    | 027R0DT              | Dilation of Ductus Arterio with Intralum Dev, Open Approac   | 49                 | Other OR heart pr         |
| 10                    | 027R0ZT              | Dilation of Ductus Arteriosus, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 027R34T              | Dilate of Ductus Arterio with Drug-elut Intra, Perc Approa   | 49                 | Other OR heart pr         |
| 10                    | 027R3DT              | Dilation of Ductus Arterio with Intralum Dev, Perc Approac   | 49                 | Other OR heart pr         |
| 10                    | 027R3ZT              | Dilation of Ductus Arteriosus, Percutaneous Approach         | 49                 | Other OR heart pr         |
| 10                    | 027R44T              | Dilate Ductus Arterio w Drug-elut Intra, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 027R4DT              | Dilate Ductus Arterio w Intralum Dev, Perc Endo              | 49                 | Other OR heart pr         |
| 10                    | 027R4ZT              | Dilation of Ductus Arteriosus, Perc Endo Approach            | 49                 | Other OR heart pr         |
| 10                    | 02880ZZ              | Division of Conduction Mechanism, Open Approach              | 49                 | Other OR heart pr         |
| 10                    | 02883ZZ              | Division of Conduction Mechanism, Percutaneous Approach      | 49                 | Other OR heart pr         |
| 10                    | 02884ZZ              | Division of Conduction Mechanism, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 02890ZZ              | Division of Chordae Tendineae, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 02893ZZ              | Division of Chordae Tendineae, Percutaneous Approach         | 49                 | Other OR heart pr         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 02894ZZ              | Division of Chordae Tendineae, Perc Endo Approach           | 49                 | Other OR heart pr          |
| 10                    | 028D0ZZ              | Division of Papillary Muscle, Open Approach                 | 49                 | Other OR heart pr          |
| 10                    | 028D3ZZ              | Division of Papillary Muscle, Percutaneous Approach         | 49                 | Other OR heart pr          |
| 10                    | 028D4ZZ              | Division of Papillary Muscle, Perc Endo Approach            | 49                 | Other OR heart pr          |
| 10                    | 02840ZX              | Excision of Coronary Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic           |
| 10                    | 02840ZZ              | Excision of Coronary Vein, Open Approach                    | 49                 | Other OR heart pr          |
| 10                    | 02843ZX              | Excision of Coronary Vein, Percutaneous Approach, Diagn     | 62                 | Other diagnostic           |
| 10                    | 02843ZZ              | Excision of Coronary Vein, Percutaneous Approach            | 49                 | Other OR heart pr          |
| 10                    | 02844ZX              | Excision of Coronary Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic           |
| 10                    | 02844ZZ              | Excision of Coronary Vein, Percutaneous Endoscopic Approach | 49                 | Other OR heart pr          |
| 10                    | 02850ZX              | Excision of Atrial Septum, Open Approach, Diagnostic        | 62                 | Other diagnostic           |
| 10                    | 02850ZZ              | Excision of Atrial Septum, Open Approach                    | 49                 | Other OR heart pr          |
| 10                    | 02853ZX              | Excision of Atrial Septum, Percutaneous Approach, Diagn     | 62                 | Other diagnostic           |
| 10                    | 02853ZZ              | Excision of Atrial Septum, Percutaneous Approach            | 49                 | Other OR heart pr          |
| 10                    | 02854ZX              | Excision of Atrial Septum, Perc Endo Approach, Diagn        | 62                 | Other diagnostic           |
| 10                    | 02854ZZ              | Excision of Atrial Septum, Percutaneous Endoscopic Approach | 49                 | Other OR heart pr          |
| 10                    | 02860ZX              | Excision of Right Atrium, Open Approach, Diagnostic         | 62                 | Other diagnostic           |
| 10                    | 02860ZZ              | Excision of Right Atrium, Open Approach                     | 49                 | Other OR heart pr          |
| 10                    | 02863ZX              | Excision of Right Atrium, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic           |
| 10                    | 02863ZZ              | Excision of Right Atrium, Percutaneous Approach             | 49                 | Other OR heart pr          |
| 10                    | 02864ZX              | Excision of Right Atrium, Perc Endo Approach, Diagn         | 62                 | Other diagnostic           |
| 10                    | 02864ZZ              | Excision of Right Atrium, Percutaneous Endoscopic Approach  | 49                 | Other OR heart pr          |
| 10                    | 02870ZX              | Excision of Left Atrium, Open Approach, Diagnostic          | 62                 | Other diagnostic           |
| 10                    | 02870ZZ              | Excision of Left Atrium, Open Approach                      | 49                 | Other OR heart pr          |
| 10                    | 02873ZX              | Excision of Left Atrium, Percutaneous Approach, Diagnostic  | 62                 | Other diagnostic           |
| 10                    | 02873ZZ              | Excision of Left Atrium, Percutaneous Approach              | 49                 | Other OR heart pr          |
| 10                    | 02874ZX              | Excision of Left Atrium, Perc Endo Approach, Diagn          | 62                 | Other diagnostic           |
| 10                    | 02874ZZ              | Excision of Left Atrium, Percutaneous Endoscopic Approach   | 49                 | Other OR heart pr          |
| 10                    | 02880ZX              | Excision of Conduction Mechanism, Open Approach, Diagnosti  | 62                 | Other diagnostic           |
| 10                    | 02880ZZ              | Excision of Conduction Mechanism, Open Approach             | 49                 | Other OR heart pr          |
| 10                    | 02883ZX              | Excision of Conduction Mechanism, Perc Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 02883ZZ              | Excision of Conduction Mechanism, Percutaneous Approach     | 49                 | Other OR heart pr          |
| 10                    | 02884ZX              | Excision of Conduction Mechanism, Perc Endo Approach, Diagn | 62                 | Other diagnostic           |
| 10                    | 02884ZZ              | Excision of Conduction Mechanism, Perc Endo Approach        | 49                 | Other OR heart pr          |
| 10                    | 02890ZX              | Excision of Chordae Tendineae, Open Approach, Diagnostic    | 62                 | Other diagnostic           |
| 10                    | 02890ZZ              | Excision of Chordae Tendineae, Open Approach                | 49                 | Other OR heart pr          |
| 10                    | 02893ZX              | Excision of Chordae Tendineae, Percutaneous Approach, Diagn | 62                 | Other diagnostic           |
| 10                    | 02893ZZ              | Excision of Chordae Tendineae, Percutaneous Approach        | 49                 | Other OR heart pr          |
| 10                    | 02894ZX              | Excision of Chordae Tendineae, Perc Endo Approach, Diagn    | 62                 | Other diagnostic           |
| 10                    | 02894ZZ              | Excision of Chordae Tendineae, Perc Endo Approach           | 49                 | Other OR heart pr          |
| 10                    | 028D0ZX              | Excision of Papillary Muscle, Open Approach, Diagnostic     | 62                 | Other diagnostic           |
| 10                    | 028D0ZZ              | Excision of Papillary Muscle, Open Approach                 | 49                 | Other OR heart pr          |
| 10                    | 028D3ZX              | Excision of Papillary Muscle, Percutaneous Approach, Diagn  | 62                 | Other diagnostic           |
| 10                    | 028D3ZZ              | Excision of Papillary Muscle, Percutaneous Approach         | 49                 | Other OR heart pr          |
| 10                    | 028D4ZX              | Excision of Papillary Muscle, Perc Endo Approach, Diagn     | 62                 | Other diagnostic           |
| 10                    | 028D4ZZ              | Excision of Papillary Muscle, Perc Endo Approach            | 49                 | Other OR heart pr          |
| 10                    | 028F0ZX              | Excision of Aortic Valve, Open Approach, Diagnostic         | 62                 | Other diagnostic           |
| 10                    | 028F0ZZ              | Excision of Aortic Valve, Open Approach                     | 49                 | Other OR heart pr          |
| 10                    | 028F3ZX              | Excision of Aortic Valve, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic           |
| 10                    | 028F3ZZ              | Excision of Aortic Valve, Percutaneous Approach             | 49                 | Other OR heart pr          |
| 10                    | 028F4ZX              | Excision of Aortic Valve, Perc Endo Approach, Diagn         | 62                 | Other diagnostic           |
| 10                    | 028F4ZZ              | Excision of Aortic Valve, Percutaneous Endoscopic Approach  | 49                 | Other OR heart pr          |
| 10                    | 028G0ZX              | Excision of Mitral Valve, Open Approach, Diagnostic         | 62                 | Other diagnostic           |
| 10                    | 028G0ZZ              | Excision of Mitral Valve, Open Approach                     | 49                 | Other OR heart pr          |
| 10                    | 028G3ZX              | Excision of Mitral Valve, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic           |
| 10                    | 028G3ZZ              | Excision of Mitral Valve, Percutaneous Approach             | 49                 | Other OR heart pr          |
| 10                    | 028G4ZX              | Excision of Mitral Valve, Perc Endo Approach, Diagn         | 62                 | Other diagnostic           |
| 10                    | 028G4ZZ              | Excision of Mitral Valve, Percutaneous Endoscopic Approach  | 49                 | Other OR heart pr          |
| 10                    | 028H0ZX              | Excision of Pulmonary Valve, Open Approach, Diagnostic      | 62                 | Other diagnostic           |
| 10                    | 028H0ZZ              | Excision of Pulmonary Valve, Open Approach                  | 49                 | Other OR heart pr          |
| 10                    | 028H3ZX              | Excision of Pulmonary Valve, Percutaneous Approach, Diagn   | 62                 | Other diagnostic           |
| 10                    | 028H3ZZ              | Excision of Pulmonary Valve, Percutaneous Approach          | 49                 | Other OR heart pr          |
| 10                    | 028H4ZX              | Excision of Pulmonary Valve, Perc Endo Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 028H4ZZ              | Excision of Pulmonary Valve, Perc Endo Approach             | 49                 | Other OR heart pr          |
| 10                    | 028J0ZX              | Excision of Tricuspid Valve, Open Approach, Diagnostic      | 62                 | Other diagnostic           |
| 10                    | 028J0ZZ              | Excision of Tricuspid Valve, Open Approach                  | 49                 | Other OR heart pr          |
| 10                    | 028J3ZX              | Excision of Tricuspid Valve, Percutaneous Approach, Diagn   | 62                 | Other diagnostic           |
| 10                    | 028J3ZZ              | Excision of Tricuspid Valve, Percutaneous Approach          | 49                 | Other OR heart pr          |
| 10                    | 028J4ZX              | Excision of Tricuspid Valve, Perc Endo Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 028J4ZZ              | Excision of Tricuspid Valve, Perc Endo Approach             | 49                 | Other OR heart pr          |
| 10                    | 028K0ZX              | Excision of Right Ventricle, Open Approach, Diagnostic      | 62                 | Other diagnostic           |
| 10                    | 028K0ZZ              | Excision of Right Ventricle, Open Approach                  | 49                 | Other OR heart pr          |
| 10                    | 028K3ZX              | Excision of Right Ventricle, Percutaneous Approach, Diagn   | 62                 | Other diagnostic           |
| 10                    | 028K3ZZ              | Excision of Right Ventricle, Percutaneous Approach          | 49                 | Other OR heart pr          |
| 10                    | 028K4ZX              | Excision of Right Ventricle, Perc Endo Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 028K4ZZ              | Excision of Right Ventricle, Perc Endo Approach             | 49                 | Other OR heart pr          |
| 10                    | 028L0ZX              | Excision of Left Ventricle, Open Approach, Diagnostic       | 62                 | Other diagnostic           |
| 10                    | 028L0ZZ              | Excision of Left Ventricle, Open Approach                   | 49                 | Other OR heart pr          |
| 10                    | 028L3ZX              | Excision of Left Ventricle, Percutaneous Approach, Diagn    | 62                 | Other diagnostic           |
| 10                    | 028L3ZZ              | Excision of Left Ventricle, Percutaneous Approach           | 49                 | Other OR heart pr          |
| 10                    | 028L4ZX              | Excision of Left Ventricle, Perc Endo Approach, Diagn       | 62                 | Other diagnostic           |
| 10                    | 028L4ZZ              | Excision of Left Ventricle, Percutaneous Endoscopic Approa  | 49                 | Other OR heart pr          |
| 10                    | 028M0ZX              | Excision of Ventricular Septum, Open Approach, Diagnostic   | 62                 | Other diagnostic           |
| 10                    | 028M0ZZ              | Excision of Ventricular Septum, Open Approach               | 49                 | Other OR heart pr          |
| 10                    | 028M3ZX              | Excision of Ventricular Septum, Percutaneous Approach, Dia  | 62                 | Other diagnostic           |
| 10                    | 028M3ZZ              | Excision of Ventricular Septum, Percutaneous Approach       | 49                 | Other OR heart pr          |
| 10                    | 028M4ZX              | Excision of Ventricular Septum, Perc Endo Approach, Diagn   | 62                 | Other diagnostic           |
| 10                    | 028M4ZZ              | Excision of Ventricular Septum, Perc Endo Approach          | 49                 | Other OR heart pr          |
| 10                    | 028N0ZX              | Excision of Pericardium, Open Approach, Diagnostic          | 62                 | Other diagnostic           |
| 10                    | 028N0ZZ              | Excision of Pericardium, Open Approach                      | 49                 | Other OR heart pr          |
| 10                    | 028N3ZX              | Excision of Pericardium, Percutaneous Approach, Diagnostic  | 62                 | Other diagnostic           |
| 10                    | 028N3ZZ              | Excision of Pericardium, Percutaneous Approach              | 49                 | Other OR heart pr          |
| 10                    | 028N4ZX              | Excision of Pericardium, Perc Endo Approach, Diagn          | 62                 | Other diagnostic           |
| 10                    | 028N4ZZ              | Excision of Pericardium, Percutaneous Endoscopic Approach   | 49                 | Other OR heart pr          |
| 10                    | 028P0ZX              | Excision of Pulmonary Trunk, Open Approach, Diagnostic      | 62                 | Other diagnostic           |
| 10                    | 028P3ZX              | Excision of Pulmonary Trunk, Percutaneous Approach, Diagn   | 62                 | Other diagnostic           |
| 10                    | 028P4ZX              | Excision of Pulmonary Trunk, Perc Endo Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 028Q0ZX              | Excision of Right Pulmonary Artery, Open Approach, Diagn    | 62                 | Other diagnostic           |
| 10                    | 028Q3ZX              | Excision of Right Pulmonary Artery, Perc Approach, Diagn    | 62                 | Other diagnostic           |
| 10                    | 028Q4ZX              | Excision of R Pulm Art, Perc Endo Approach, Diagn           | 62                 | Other diagnostic           |
| 10                    | 028R0ZX              | Excision of Left Pulmonary Artery, Open Approach, Diagnost  | 62                 | Other diagnostic           |
| 10                    | 028R3ZX              | Excision of Left Pulmonary Artery, Perc Approach, Diagn     | 62                 | Other diagnostic           |
| 10                    | 028R4ZX              | Excision of Left Pulmonary Artery, Perc Endo Approach, Dia  | 62                 | Other diagnostic           |
| 10                    | 028S0ZX              | Excision of Right Pulmonary Vein, Open Approach, Diagnosti  | 62                 | Other diagnostic           |
| 10                    | 028S3ZX              | Excision of Right Pulmonary Vein, Perc Approach, Diagn      | 62                 | Other diagnostic           |
| 10                    | 028S4ZX              | Excision of Right Pulmonary Vein, Perc Endo Approach, Diag  | 62                 | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 02B10ZX              | Excision of Left Pulmonary Vein, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 02B13ZX              | Excision of Left Pulmonary Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 02B14ZX              | Excision of Left Pulmonary Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 02B10ZX              | Excision of Superior Vena Cava, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 02B13ZX              | Excision of Superior Vena Cava, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 02B14ZX              | Excision of Superior Vena Cava, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 02B10ZX              | Excision of Thoracic Aorta, Descending, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 02B10ZX              | Excision of Thoracic Aorta, Descending, Open Approach       | 52                 | Aortic resection;         |
| 10                    | 02B13ZX              | Excision of Thoracic Aorta, Descending, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 02B13ZX              | Excision of Thoracic Aorta, Descending, Perc Approach       | 52                 | Aortic resection;         |
| 10                    | 02B14ZX              | Excision of Thor Aorta Desc, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 02B14ZX              | Excision of Thoracic Aorta, Descending, Perc Endo Approach  | 52                 | Aortic resection;         |
| 10                    | 02B10ZX              | Excision of Thor Aorta Asc, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 02B10ZX              | Excision of Thoracic Aorta, Ascending/Arch, Open Approach   | 52                 | Aortic resection;         |
| 10                    | 02B13ZX              | Excision of Thor Aorta Asc, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 02B13ZX              | Excision of Thoracic Aorta, Ascending/Arch, Perc Approach   | 52                 | Aortic resection;         |
| 10                    | 02B14ZX              | Excision of Thor Aorta Asc, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 02B14ZX              | Excision of Thor Aorta Asc, Perc Endo Approach              | 52                 | Aortic resection;         |
| 10                    | 02C0026              | Extirpation of Matter from 1 Cor Art, Bifurc, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02C002Z              | Extirpation of Matter from 1 Cor Art, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02C0326              | Extirpation of Matter from 1 Cor Art, Bifurc, Perc Approach | 45                 | Percutaneous tran         |
| 10                    | 02C032Z              | Extirpation of Matter from 1 Cor Art, Perc Approach         | 45                 | Percutaneous tran         |
| 10                    | 02C0426              | Extirpate matter from 1 Cor Art, Bifurc, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 02C042Z              | Extirpation of Matter from 1 Cor Art, Perc Endo Approach    | 45                 | Percutaneous tran         |
| 10                    | 02C1026              | Extirpation of Matter from 2 Cor Art, Bifurc, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02C102Z              | Extirpation of Matter from 2 Cor Art, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02C1326              | Extirpation of Matter from 2 Cor Art, Bifurc, Perc Approach | 45                 | Percutaneous tran         |
| 10                    | 02C132Z              | Extirpation of Matter from 2 Cor Art, Perc Approach         | 45                 | Percutaneous tran         |
| 10                    | 02C1426              | Extirpate matter from 2 Cor Art, Bifurc, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 02C142Z              | Extirpation of Matter from 2 Cor Art, Perc Endo Approach    | 45                 | Percutaneous tran         |
| 10                    | 02C2026              | Extirpation of Matter from 3 Cor Art, Bifurc, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02C202Z              | Extirpation of Matter from 3 Cor Art, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02C2326              | Extirpation of Matter from 3 Cor Art, Bifurc, Perc Approach | 45                 | Percutaneous tran         |
| 10                    | 02C232Z              | Extirpation of Matter from 3 Cor Art, Perc Approach         | 45                 | Percutaneous tran         |
| 10                    | 02C2426              | Extirpate matter from 3 Cor Art, Bifurc, Perc Endo          | 45                 | Percutaneous tran         |
| 10                    | 02C242Z              | Extirpation of Matter from 3 Cor Art, Perc Endo Approach    | 45                 | Percutaneous tran         |
| 10                    | 02C3026              | Extirpation of Matter from 4+ Cor Art, Bifurc, Open Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02C302Z              | Extirpation of Matter from 4+ Cor Art, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02C3326              | Extirpation of Matter from 4+ Cor Art, Bifurc, Perc Appoa   | 45                 | Percutaneous tran         |
| 10                    | 02C332Z              | Extirpation of Matter from 4+ Cor Art, Perc Approach        | 45                 | Percutaneous tran         |
| 10                    | 02C3426              | Extirpate matter from 4+ Cor Art, Bifurc, Perc Endo         | 45                 | Percutaneous tran         |
| 10                    | 02C342Z              | Extirpation of Matter from 4+ Cor Art, Perc Endo Approach   | 45                 | Percutaneous tran         |
| 10                    | 02C402Z              | Extirpation of Matter from Coronary Vein, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02C432Z              | Extirpation of Matter from Coronary Vein, Perc Approach     | 49                 | Other OR heart pr         |
| 10                    | 02C442Z              | Extirpation of Matter from Coronary Vein, Perc Endo Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02C502Z              | Extirpation of Matter from Atrial Septum, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02C532Z              | Extirpation of Matter from Atrial Septum, Perc Approach     | 49                 | Other OR heart pr         |
| 10                    | 02C542Z              | Extirpation of Matter from Atrial Septum, Perc Endo Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02C602Z              | Extirpation of Matter from Right Atrium, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02C632Z              | Extirpation of Matter from Right Atrium, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02C642Z              | Extirpation of Matter from Right Atrium, Perc Endo Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02C702Z              | Extirpation of Matter from Left Atrium, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02C732Z              | Extirpation of Matter from Left Atrium, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02C742Z              | Extirpation of Matter from Left Atrium, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02C802Z              | Extirpate of Matter from Conduction Mechanism, Open Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02C832Z              | Extirpate of Matter from Conduction Mechanism, Perc Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02C842Z              | Extirpate matter from Conduction Mechanism, Perc Endo       | 49                 | Other OR heart pr         |
| 10                    | 02C902Z              | Extirpation of Matter from Chordae Tendineae, Open Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02C932Z              | Extirpation of Matter from Chordae Tendineae, Perc Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02C942Z              | Extirpate matter from Chordae Tendineae, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02CD02Z              | Extirpation of Matter from Papillary Muscle, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02CD32Z              | Extirpation of Matter from Papillary Muscle, Perc Approach  | 49                 | Other OR heart pr         |
| 10                    | 02CD42Z              | Extirpate matter from Papillary Muscle, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02CF02Z              | Extirpation of Matter from Aortic Valve, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02CF32Z              | Extirpation of Matter from Aortic Valve, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02CF42Z              | Extirpation of Matter from Aortic Valve, Perc Endo Appoa    | 43                 | Heart valve proce         |
| 10                    | 02CG02Z              | Extirpation of Matter from Mitral Valve, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02CG32Z              | Extirpation of Matter from Mitral Valve, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02CG42Z              | Extirpation of Matter from Mitral Valve, Perc Endo Appoa    | 43                 | Heart valve proce         |
| 10                    | 02CH02Z              | Extirpation of Matter from Pulmonary Valve, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02CH32Z              | Extirpation of Matter from Pulmonary Valve, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02CH42Z              | Extirpation of Matter from Pulm Valve, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02CI02Z              | Extirpation of Matter from Tricuspid Valve, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02CI32Z              | Extirpation of Matter from Tricuspid Valve, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02CI42Z              | Extirpation of Matter from Tricuspid Valve, Perc Endo Appoa | 43                 | Heart valve proce         |
| 10                    | 02CK02Z              | Extirpation of Matter from Right Ventricle, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02CK32Z              | Extirpation of Matter from Right Ventricle, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02CK42Z              | Extirpation of Matter from R Ventricle, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02CL02Z              | Extirpation of Matter from Left Ventricle, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02CL32Z              | Extirpation of Matter from Left Ventricle, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02CL42Z              | Extirpation of Matter from L Ventricle, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02CM02Z              | Extirpation of Matter from Ventricular Septum, Open Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02CM32Z              | Extirpation of Matter from Ventricular Septum, Perc Appoa   | 49                 | Other OR heart pr         |
| 10                    | 02CM42Z              | Extirpate matter from Ventricular Sept, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02CN02Z              | Extirpation of Matter from Pericardium, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02CN32Z              | Extirpation of Matter from Pericardium, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02CN42Z              | Extirpation of Matter from Pericardium, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02FN02Z              | Fragmentation in Pericardium, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 02FN32Z              | Fragmentation in Pericardium, Percutaneous Approach         | 49                 | Other OR heart pr         |
| 10                    | 02FN42Z              | Fragmentation in Pericardium, Perc Endo Approach            | 49                 | Other OR heart pr         |
| 10                    | 02H400Z              | Insertion of Pressure Sens into Cor Vein, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02H402Z              | Insertion of Monitoring Device into Cor Vein, Open Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02H403Z              | Insertion of Infusion Device into Cor Vein, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02H40DZ              | Insertion of Intralum Dev into Cor Vein, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H40IZ              | Insertion of Pacemaker Lead into Cor Vein, Open Approach    | 48                 | Insertion; revisi         |
| 10                    | 02H40KZ              | Insertion of Defibrillator Lead into Cor Vein, Open Appoa   | 48                 | Insertion; revisi         |
| 10                    | 02H40MZ              | Insertion of Cardiac Lead into Coronary Vein, Open Appoa    | 48                 | Insertion; revisi         |
| 10                    | 02H40NZ              | Insertion of Intracard Pacer into Cor Vein, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H43DZ              | Insertion of Intralum Dev into Cor Vein, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H43IZ              | Insertion of Pacemaker Lead into Cor Vein, Perc Approach    | 48                 | Insertion; revisi         |
| 10                    | 02H43KZ              | Insertion of Defibrillator Lead into Cor Vein, Perc Appoa   | 48                 | Insertion; revisi         |
| 10                    | 02H43MZ              | Insertion of Cardiac Lead into Coronary Vein, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 02H43NZ              | Insertion of Intracard Pacer into Cor Vein, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H443Z              | Insertion of Infusion Dev into Cor Vein, Perc Endo Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02H44DZ              | Insertion of Intralum Dev into Cor Vein, Perc Endo Appoa    | 49                 | Other OR heart pr         |
| 10                    | 02H44IZ              | Insertion of Pace Lead into Cor Vein, Perc Endo Approach    | 48                 | Insertion; revisi         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 02H44KZ              | Insertion of Defib Lead into Cor Vein, Perc Endo Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H44MZ              | Insertion of Cardiac Lead into Cor Vein, Perc Endo Approac  | 48                 | Insertion; revisi         |
| 10                    | 02H44NZ              | Insert of Intracard Pacer into Cor Vein, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02H600Z              | Insertion of Pressure Sens into R Atrium, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02H602Z              | Insertion of Monitoring Device into R Atrium, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02H603Z              | Insertion of Infusion Device into R Atrium, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02H60DZ              | Insertion of Intralum Dev into R Atrium, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H60JZ              | Insertion of Pacemaker Lead into Right Atrium, Open Appro   | 48                 | Insertion; revisi         |
| 10                    | 02H60KZ              | Insertion of Defibrillator Lead into R Atrium, Open Approa  | 48                 | Insertion; revisi         |
| 10                    | 02H60MZ              | Insertion of Cardiac Lead into Right Atrium, Open Approach  | 48                 | Insertion; revisi         |
| 10                    | 02H60NZ              | Insertion of Intracard Pacer into R Atrium, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H633Z              | Insertion of Infusion Device into R Atrium, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02H63DZ              | Insertion of Intralum Dev into R Atrium, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H63JZ              | Insertion of Pacemaker Lead into Right Atrium, Perc Appro   | 48                 | Insertion; revisi         |
| 10                    | 02H63KZ              | Insertion of Defibrillator Lead into R Atrium, Perc Approa  | 48                 | Insertion; revisi         |
| 10                    | 02H63MZ              | Insertion of Cardiac Lead into Right Atrium, Perc Approach  | 48                 | Insertion; revisi         |
| 10                    | 02H63NZ              | Insertion of Intracard Pacer into R Atrium, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H643Z              | Insertion of Infusion Dev into R Atrium, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02H64DZ              | Insertion of Intralum Dev into R Atrium, Perc Endo Approac  | 49                 | Other OR heart pr         |
| 10                    | 02H64JZ              | Insertion of Pace Lead into R Atrium, Perc Endo Approach    | 48                 | Insertion; revisi         |
| 10                    | 02H64KZ              | Insertion of Defib Lead into R Atrium, Perc Endo Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H64MZ              | Insertion of Cardiac Lead into R Atrium, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02H64NZ              | Insert of Intracard Pacer into R Atrium, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02H700Z              | Insertion of Pressure Sens into L Atrium, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02H702Z              | Insertion of Monitoring Device into L Atrium, Open Approac  | 49                 | Other OR heart pr         |
| 10                    | 02H703Z              | Insertion of Infusion Device into Left Atrium, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02H70DZ              | Insertion of Intralum Dev into L Atrium, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H70JZ              | Insertion of Pacemaker Lead into Left Atrium, Open Approac  | 48                 | Insertion; revisi         |
| 10                    | 02H70KZ              | Insertion of Defibrillator Lead into L Atrium, Open Approa  | 48                 | Insertion; revisi         |
| 10                    | 02H70MZ              | Insertion of Cardiac Lead into Left Atrium, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H70NZ              | Insertion of Intracard Pacer into L Atrium, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H73DZ              | Insertion of Intralum Dev into L Atrium, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02H73JZ              | Insertion of Pacemaker Lead into Left Atrium, Perc Approac  | 48                 | Insertion; revisi         |
| 10                    | 02H73KZ              | Insertion of Defibrillator Lead into L Atrium, Perc Approa  | 48                 | Insertion; revisi         |
| 10                    | 02H73MZ              | Insertion of Cardiac Lead into Left Atrium, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H73NZ              | Insertion of Intracard Pacer into L Atrium, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H743Z              | Insertion of Infusion Dev into L Atrium, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02H74DZ              | Insertion of Intralum Dev into L Atrium, Perc Endo Approac  | 49                 | Other OR heart pr         |
| 10                    | 02H74JZ              | Insertion of Pace Lead into L Atrium, Perc Endo Approach    | 48                 | Insertion; revisi         |
| 10                    | 02H74KZ              | Insertion of Defib Lead into L Atrium, Perc Endo Approach   | 48                 | Insertion; revisi         |
| 10                    | 02H74MZ              | Insertion of Cardiac Lead into L Atrium, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02H74NZ              | Insert of Intracard Pacer into L Atrium, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HA0QZ              | Insertion of Implant Heart Assist into Heart, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02HA0RS              | Insert of Bivent Ext Heart Assist into Heart, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02HA0RZ              | Insertion of Ext Heart Assist into Heart, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02HA3QZ              | Insertion of Implant Heart Assist into Heart, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 02HA3RS              | Insert of Bivent Ext Heart Assist into Heart, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 02HA3RZ              | Insertion of Ext Heart Assist into Heart, Perc Approach     | 49                 | Other OR heart pr         |
| 10                    | 02HA4QZ              | Insert Implant Heart Assist in Heart, Perc Endo             | 49                 | Other OR heart pr         |
| 10                    | 02HA4RS              | Insert Bivent Ext Heart Assist in Heart, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02HA4RZ              | Insertion of Ext Heart Assist into Heart, Perc Endo Approa  | 49                 | Other OR heart pr         |
| 10                    | 02HK00Z              | Insertion of Pressure Sens into R Ventricle, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02HK02Z              | Insertion of Monitor Dev into R Ventricle, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02HK03Z              | Insertion of Infusion Device into R Ventricle, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02HK0DZ              | Insertion of Intralum Dev into R Ventricle, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02HK0JZ              | Insertion of Pacemaker Lead into R Ventricle, Open Approac  | 48                 | Insertion; revisi         |
| 10                    | 02HK0KZ              | Insertion of Defib Lead into R Ventricle, Open Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HK0MZ              | Insertion of Cardiac Lead into R Ventricle, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02HK0NZ              | Insertion of Intracard Pacer into R Ventricle, Open Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HK33Z              | Insertion of Infusion Device into R Ventricle, Perc Approa  | 49                 | Other OR heart pr         |
| 10                    | 02HK3DZ              | Insertion of Intralum Dev into R Ventricle, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02HK3JZ              | Insertion of Pacemaker Lead into R Ventricle, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 02HK3KZ              | Insertion of Defib Lead into R Ventricle, Perc Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HK3MZ              | Insertion of Cardiac Lead into R Ventricle, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02HK3NZ              | Insertion of Intracard Pacer into R Ventricle, Perc Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HK43Z              | Insert of Infusion Dev into R Ventricle, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02HK4DZ              | Insert of Intralum Dev into R Ventricle, Perc Endo Approac  | 49                 | Other OR heart pr         |
| 10                    | 02HK4JZ              | Insertion of Pace Lead into R Ventricle, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HK4KZ              | Insertion of Defib Lead into R Ventricle, Perc Endo Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HK4MZ              | Insert of Cardiac Lead into R Ventricle, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HK4NZ              | Insert Intracard Pacer in R Ventricle, Perc Endo            | 48                 | Insertion; revisi         |
| 10                    | 02HL00Z              | Insertion of Pressure Sens into L Ventricle, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02HL02Z              | Insertion of Monitor Dev into L Ventricle, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02HL03Z              | Insertion of Infusion Device into L Ventricle, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02HL0DZ              | Insertion of Intralum Dev into L Ventricle, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02HL0JZ              | Insertion of Pacemaker Lead into L Ventricle, Open Approac  | 48                 | Insertion; revisi         |
| 10                    | 02HL0KZ              | Insertion of Defib Lead into L Ventricle, Open Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HL0MZ              | Insertion of Cardiac Lead into Left Ventricle, Open Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HL0NZ              | Insertion of Intracard Pacer into L Ventricle, Open Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HL3DZ              | Insertion of Intralum Dev into L Ventricle, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02HL3JZ              | Insertion of Pacemaker Lead into L Ventricle, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 02HL3KZ              | Insertion of Defib Lead into L Ventricle, Perc Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HL3MZ              | Insertion of Cardiac Lead into Left Ventricle, Perc Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HL3NZ              | Insertion of Intracard Pacer into L Ventricle, Perc Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HL43Z              | Insert of Infusion Dev into L Ventricle, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02HL4DZ              | Insert of Intralum Dev into L Ventricle, Perc Endo Approac  | 49                 | Other OR heart pr         |
| 10                    | 02HL4JZ              | Insertion of Pace Lead into L Ventricle, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HL4KZ              | Insertion of Defib Lead into L Ventricle, Perc Endo Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HL4MZ              | Insert of Cardiac Lead into L Ventricle, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HL4NZ              | Insert Intracard Pacer in L Ventricle, Perc Endo            | 48                 | Insertion; revisi         |
| 10                    | 02HN00Z              | Insertion of Pressure Sens into Pericardium, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02HN02Z              | Insertion of Monitor Dev into Pericardium, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02HN0JZ              | Insertion of Pacemaker Lead into Pericardium, Open Approac  | 48                 | Insertion; revisi         |
| 10                    | 02HN0KZ              | Insertion of Defib Lead into Pericardium, Open Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HN0MZ              | Insertion of Cardiac Lead into Pericardium, Open Approach   | 48                 | Insertion; revisi         |
| 10                    | 02HN3JZ              | Insertion of Pacemaker Lead into Pericardium, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 02HN3KZ              | Insertion of Defib Lead into Pericardium, Perc Approach     | 48                 | Insertion; revisi         |
| 10                    | 02HN3MZ              | Insertion of Cardiac Lead into Pericardium, Perc Approach   | 48                 | Insertion; revisi         |
| 10                    | 02HN4JZ              | Insertion of Pace Lead into Pericardium, Perc Endo Approac  | 48                 | Insertion; revisi         |
| 10                    | 02HN4KZ              | Insertion of Defib Lead into Pericardium, Perc Endo Approa  | 48                 | Insertion; revisi         |
| 10                    | 02HN4MZ              | Insert of Cardiac Lead into Pericardium, Perc Endo Approach | 48                 | Insertion; revisi         |
| 10                    | 02HS00Z              | Insertion of Pressure Sens into R Pulm Vein, Open Approach  | 62                 | Other diagnostic          |
| 10                    | 02HS02Z              | Insertion of Monitor Dev into R Pulm Vein, Open Approach    | 62                 | Other diagnostic          |
| 10                    | 02HS30Z              | Insertion of Pressure Sens into R Pulm Vein, Perc Approach  | 62                 | Other diagnostic          |
| 10                    | 02HS32Z              | Insertion of Monitor Dev into R Pulm Vein, Perc Approach    | 62                 | Other diagnostic          |
| 10                    | 02HS40Z              | Insert of Pressure Sens into R Pulm Vein, Perc Endo Approa  | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 02HS4ZZ              | Insert of Monitor Dev into R Pulm Vein, Perc Endo Approach  | 62                 | Other diagnostic           |
| 10                    | 02HT00Z              | Insertion of Pressure Sens into L Pulm Vein, Open Approach  | 62                 | Other diagnostic           |
| 10                    | 02HT02Z              | Insertion of Monitor Dev into L Pulm Vein, Open Approach    | 62                 | Other diagnostic           |
| 10                    | 02HT30Z              | Insertion of Pressure Sens into L Pulm Vein, Perc Approach  | 62                 | Other diagnostic           |
| 10                    | 02HT32Z              | Insertion of Monitor Dev into L Pulm Vein, Perc Approach    | 62                 | Other diagnostic           |
| 10                    | 02HT40Z              | Insert of Pressure Sens into L Pulm Vein, Perc Endo Approa  | 62                 | Other diagnostic           |
| 10                    | 02HT42Z              | Insert of Monitor Dev into L Pulm Vein, Perc Endo Approach  | 62                 | Other diagnostic           |
| 10                    | 02HV00Z              | Insertion of Pressure Sens into Sup Vena Cava, Open Approa  | 62                 | Other diagnostic           |
| 10                    | 02HV02Z              | Insertion of Monitor Dev into Sup Vena Cava, Open Approach  | 62                 | Other diagnostic           |
| 10                    | 02HV30Z              | Insertion of Pressure Sens into Sup Vena Cava, Perc Approa  | 62                 | Other diagnostic           |
| 10                    | 02HV32Z              | Insertion of Monitor Dev into Sup Vena Cava, Perc Approach  | 62                 | Other diagnostic           |
| 10                    | 02HV40Z              | Insert Pressure Sens in Sup Vena Cava, Perc Endo            | 62                 | Other diagnostic           |
| 10                    | 02HV42Z              | Insert of Monitor Dev into Sup Vena Cava, Perc Endo Approa  | 62                 | Other diagnostic           |
| 10                    | 02HW00Z              | Insert of Pressure Sens into Thor Aorta Desc, Open Approac  | 62                 | Other diagnostic           |
| 10                    | 02HW02Z              | Insertion of Monitor Dev into Thor Aorta Desc, Open Approa  | 62                 | Other diagnostic           |
| 10                    | 02HW30Z              | Insert of Pressure Sens into Thor Aorta Desc, Perc Approac  | 62                 | Other diagnostic           |
| 10                    | 02HW32Z              | Insertion of Monitor Dev into Thor Aorta Desc, Perc Approa  | 62                 | Other diagnostic           |
| 10                    | 02HW40Z              | Insert Pressure Sens in Thor Aorta Desc, Perc Endo          | 62                 | Other diagnostic           |
| 10                    | 02HW42Z              | Insert Monitor Dev in Thor Aorta Desc, Perc Endo            | 62                 | Other diagnostic           |
| 10                    | 02HX00Z              | Insert of Pressure Sens into Thor Aorta Asc, Open Approach  | 62                 | Other diagnostic           |
| 10                    | 02HX02Z              | Insertion of Monitor Dev into Thor Aorta Asc, Open Approach | 62                 | Other diagnostic           |
| 10                    | 02HX30Z              | Insert of Pressure Sens into Thor Aorta Asc, Perc Approach  | 62                 | Other diagnostic           |
| 10                    | 02HX32Z              | Insertion of Monitor Dev into Thor Aorta Asc, Perc Approach | 62                 | Other diagnostic           |
| 10                    | 02HX40Z              | Insert Pressure Sens in Thor Aorta Asc, Perc Endo           | 62                 | Other diagnostic           |
| 10                    | 02HX42Z              | Insert Monitor Dev in Thor Aorta Asc, Perc Endo             | 62                 | Other diagnostic           |
| 10                    | 02JA0ZZ              | Inspection of Heart, Open Approach                          | 62                 | Other diagnostic           |
| 10                    | 02JA3ZZ              | Inspection of Heart, Percutaneous Approach                  | 62                 | Other diagnostic           |
| 10                    | 02JA4ZZ              | Inspection of Heart, Percutaneous Endoscopic Approach       | 62                 | Other diagnostic           |
| 10                    | 02JY0ZZ              | Inspection of Great Vessel, Open Approach                   | 62                 | Other diagnostic           |
| 10                    | 02JY3ZZ              | Inspection of Great Vessel, Percutaneous Approach           | 62                 | Other diagnostic           |
| 10                    | 02JY4ZZ              | Inspection of Great Vessel, Percutaneous Endoscopic Approa  | 62                 | Other diagnostic           |
| 10                    | 02K80ZZ              | Map Conduction Mechanism, Open Approach                     | 62                 | Other diagnostic           |
| 10                    | 02K83ZZ              | Map Conduction Mechanism, Percutaneous Approach             | 62                 | Other diagnostic           |
| 10                    | 02K84ZZ              | Map Conduction Mechanism, Percutaneous Endoscopic Approach  | 62                 | Other diagnostic           |
| 10                    | 02LH0CZ              | Occlusion of Pulm Valve with Extralum Dev, Open Approach    | 43                 | Heart valve proce          |
| 10                    | 02LH0DZ              | Occlusion of Pulm Valve with Intralum Dev, Open Approach    | 43                 | Heart valve proce          |
| 10                    | 02LH0ZZ              | Occlusion of Pulmonary Valve, Open Approach                 | 43                 | Heart valve proce          |
| 10                    | 02LH3CZ              | Occlusion of Pulm Valve with Extralum Dev, Perc Approach    | 43                 | Heart valve proce          |
| 10                    | 02LH3DZ              | Occlusion of Pulm Valve with Intralum Dev, Perc Approach    | 43                 | Heart valve proce          |
| 10                    | 02LH3ZZ              | Occlusion of Pulmonary Valve, Percutaneous Approach         | 43                 | Heart valve proce          |
| 10                    | 02LH4CZ              | Occlusion Pulm Valve w Extralum Dev, Perc Endo              | 43                 | Heart valve proce          |
| 10                    | 02LH4DZ              | Occlusion Pulm Valve w Intralum Dev, Perc Endo              | 43                 | Heart valve proce          |
| 10                    | 02LH4ZZ              | Occlusion of Pulmonary Valve, Perc Endo Approach            | 43                 | Heart valve proce          |
| 10                    | 02N40ZZ              | Release Coronary Vein, Open Approach                        | 49                 | Other OR heart pr          |
| 10                    | 02N43ZZ              | Release Coronary Vein, Percutaneous Approach                | 49                 | Other OR heart pr          |
| 10                    | 02N44ZZ              | Release Coronary Vein, Percutaneous Endoscopic Approach     | 49                 | Other OR heart pr          |
| 10                    | 02N50ZZ              | Release Atrial Septum, Open Approach                        | 49                 | Other OR heart pr          |
| 10                    | 02N53ZZ              | Release Atrial Septum, Percutaneous Approach                | 49                 | Other OR heart pr          |
| 10                    | 02N54ZZ              | Release Atrial Septum, Percutaneous Endoscopic Approach     | 49                 | Other OR heart pr          |
| 10                    | 02N60ZZ              | Release Right Atrium, Open Approach                         | 49                 | Other OR heart pr          |
| 10                    | 02N63ZZ              | Release Right Atrium, Percutaneous Approach                 | 49                 | Other OR heart pr          |
| 10                    | 02N64ZZ              | Release Right Atrium, Percutaneous Endoscopic Approach      | 49                 | Other OR heart pr          |
| 10                    | 02N70ZZ              | Release Left Atrium, Open Approach                          | 49                 | Other OR heart pr          |
| 10                    | 02N73ZZ              | Release Left Atrium, Percutaneous Approach                  | 49                 | Other OR heart pr          |
| 10                    | 02N74ZZ              | Release Left Atrium, Percutaneous Endoscopic Approach       | 49                 | Other OR heart pr          |
| 10                    | 02N80ZZ              | Release Conduction Mechanism, Open Approach                 | 49                 | Other OR heart pr          |
| 10                    | 02N83ZZ              | Release Conduction Mechanism, Percutaneous Approach         | 49                 | Other OR heart pr          |
| 10                    | 02N84ZZ              | Release Conduction Mechanism, Perc Endo Approach            | 49                 | Other OR heart pr          |
| 10                    | 02N90ZZ              | Release Chordae Tendineae, Open Approach                    | 49                 | Other OR heart pr          |
| 10                    | 02N93ZZ              | Release Chordae Tendineae, Percutaneous Approach            | 49                 | Other OR heart pr          |
| 10                    | 02N94ZZ              | Release Chordae Tendineae, Percutaneous Endoscopic Approac  | 49                 | Other OR heart pr          |
| 10                    | 02ND0ZZ              | Release Papillary Muscle, Open Approach                     | 49                 | Other OR heart pr          |
| 10                    | 02ND3ZZ              | Release Papillary Muscle, Percutaneous Approach             | 49                 | Other OR heart pr          |
| 10                    | 02ND4ZZ              | Release Papillary Muscle, Percutaneous Endoscopic Approach  | 49                 | Other OR heart pr          |
| 10                    | 02NF0ZZ              | Release Aortic Valve, Open Approach                         | 43                 | Heart valve proce          |
| 10                    | 02NF3ZZ              | Release Aortic Valve, Percutaneous Approach                 | 43                 | Heart valve proce          |
| 10                    | 02NF4ZZ              | Release Aortic Valve, Percutaneous Endoscopic Approach      | 43                 | Heart valve proce          |
| 10                    | 02NG0ZZ              | Release Mitral Valve, Open Approach                         | 43                 | Heart valve proce          |
| 10                    | 02NG3ZZ              | Release Mitral Valve, Percutaneous Approach                 | 43                 | Heart valve proce          |
| 10                    | 02NG4ZZ              | Release Mitral Valve, Percutaneous Endoscopic Approach      | 43                 | Heart valve proce          |
| 10                    | 02NH0ZZ              | Release Pulmonary Valve, Open Approach                      | 43                 | Heart valve proce          |
| 10                    | 02NH3ZZ              | Release Pulmonary Valve, Percutaneous Approach              | 43                 | Heart valve proce          |
| 10                    | 02NH4ZZ              | Release Pulmonary Valve, Percutaneous Endoscopic Approach   | 43                 | Heart valve proce          |
| 10                    | 02NI0ZZ              | Release Tricuspid Valve, Open Approach                      | 43                 | Heart valve proce          |
| 10                    | 02NI3ZZ              | Release Tricuspid Valve, Percutaneous Approach              | 43                 | Heart valve proce          |
| 10                    | 02NI4ZZ              | Release Tricuspid Valve, Percutaneous Endoscopic Approach   | 43                 | Heart valve proce          |
| 10                    | 02NK0ZZ              | Release Right Ventricle, Open Approach                      | 49                 | Other OR heart pr          |
| 10                    | 02NK3ZZ              | Release Right Ventricle, Percutaneous Approach              | 49                 | Other OR heart pr          |
| 10                    | 02NK4ZZ              | Release Right Ventricle, Percutaneous Endoscopic Approach   | 49                 | Other OR heart pr          |
| 10                    | 02NL0ZZ              | Release Left Ventricle, Open Approach                       | 49                 | Other OR heart pr          |
| 10                    | 02NL3ZZ              | Release Left Ventricle, Percutaneous Approach               | 49                 | Other OR heart pr          |
| 10                    | 02NL4ZZ              | Release Left Ventricle, Percutaneous Endoscopic Approach    | 49                 | Other OR heart pr          |
| 10                    | 02NM0ZZ              | Release Ventricular Septum, Open Approach                   | 49                 | Other OR heart pr          |
| 10                    | 02NM3ZZ              | Release Ventricular Septum, Percutaneous Approach           | 49                 | Other OR heart pr          |
| 10                    | 02NM4ZZ              | Release Ventricular Septum, Percutaneous Endoscopic Approa  | 49                 | Other OR heart pr          |
| 10                    | 02NN0ZZ              | Release Pericardium, Open Approach                          | 49                 | Other OR heart pr          |
| 10                    | 02NN3ZZ              | Release Pericardium, Percutaneous Approach                  | 49                 | Other OR heart pr          |
| 10                    | 02NN4ZZ              | Release Pericardium, Percutaneous Endoscopic Approach       | 49                 | Other OR heart pr          |
| 10                    | 02PA0ZZ              | Removal of Monitoring Device from Heart, Open Approach      | 49                 | Other OR heart pr          |
| 10                    | 02PA03Z              | Removal of Infusion Device from Heart, Open Approach        | 49                 | Other OR heart pr          |
| 10                    | 02PA07Z              | Removal of Autol Sub from Heart, Open Approach              | 49                 | Other OR heart pr          |
| 10                    | 02PA08Z              | Removal of Zooplastic Tissue from Heart, Open Approach      | 49                 | Other OR heart pr          |
| 10                    | 02PA0CZ              | Removal of Extraluminal Device from Heart, Open Approach    | 49                 | Other OR heart pr          |
| 10                    | 02PA0DZ              | Removal of Intraluminal Device from Heart, Open Approach    | 49                 | Other OR heart pr          |
| 10                    | 02PA0IZ              | Removal of Synthetic Substitute from Heart, Open Approach   | 49                 | Other OR heart pr          |
| 10                    | 02PA0KZ              | Removal of Nonaut Sub from Heart, Open Approach             | 49                 | Other OR heart pr          |
| 10                    | 02PA0MZ              | Removal of Cardiac Lead from Heart, Open Approach           | 48                 | Insertion; revisi          |
| 10                    | 02PA0NZ              | Removal of Intracardiac Pacemaker from Heart, Open Approac  | 48                 | Insertion; revisi          |
| 10                    | 02PA0OZ              | Removal of Implant Heart Assist from Heart, Open Approach   | 49                 | Other OR heart pr          |
| 10                    | 02PA0RZ              | Removal of Ext Heart Assist from Heart, Open Approach       | 49                 | Other OR heart pr          |
| 10                    | 02PA37Z              | Removal of Autol Sub from Heart, Perc Approach              | 49                 | Other OR heart pr          |
| 10                    | 02PA38Z              | Removal of Zooplastic Tissue from Heart, Perc Approach      | 49                 | Other OR heart pr          |
| 10                    | 02PA3CZ              | Removal of Extraluminal Device from Heart, Perc Approach    | 49                 | Other OR heart pr          |
| 10                    | 02PA3DZ              | Removal of Intraluminal Device from Heart, Perc Approach    | 49                 | Other OR heart pr          |
| 10                    | 02PA3IZ              | Removal of Synthetic Substitute from Heart, Perc Approach   | 49                 | Other OR heart pr          |
| 10                    | 02PA3KZ              | Removal of Nonaut Sub from Heart, Perc Approach             | 49                 | Other OR heart pr          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 02PA3MZ              | Removal of Cardiac Lead from Heart, Percutaneous Approach    | 48                 | Insertion; revisi         |
| 10                    | 02PA3NZ              | Removal of Intracardiac Pacemaker from Heart, Perc Approach  | 48                 | Insertion; revisi         |
| 10                    | 02PA3QZ              | Removal of Implant Heart Assist from Heart, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02PA3RZ              | Removal of Ext Heart Assist from Heart, Perc Approach        | 49                 | Other OR heart pr         |
| 10                    | 02PA42Z              | Removal of Monitoring Device from Heart, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02PA43Z              | Removal of Infusion Device from Heart, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02PA47Z              | Removal of Autol Sub from Heart, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 02PA48Z              | Removal of Zooplastic Tissue from Heart, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02PA4CZ              | Removal of Extralum Dev from Heart, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 02PA4DZ              | Removal of Intralum Dev from Heart, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 02PA4JZ              | Removal of Synth Sub from Heart, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 02PA4KZ              | Removal of Nonaut Sub from Heart, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 02PA4MZ              | Removal of Cardiac Lead from Heart, Perc Endo Approach       | 48                 | Insertion; revisi         |
| 10                    | 02PA4NZ              | Removal of Intracard Pacer from Heart, Perc Endo Approach    | 48                 | Insertion; revisi         |
| 10                    | 02PA4QZ              | Remove Implant Heart Assist from Heart, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02PA4RZ              | Removal of Ext Heart Assist from Heart, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02PAXMZ              | Removal of Cardiac Lead from Heart, External Approach        | 48                 | Insertion; revisi         |
| 10                    | 02Q00ZZ              | Repair Coronary Artery, One Artery, Open Approach            | 49                 | Other OR heart pr         |
| 10                    | 02Q03ZZ              | Repair Coronary Artery, One Artery, Percutaneous Approach    | 49                 | Other OR heart pr         |
| 10                    | 02Q04ZZ              | Repair Coronary Artery, One Artery, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 02Q10ZZ              | Repair Coronary Artery, Two Arteries, Open Approach          | 49                 | Other OR heart pr         |
| 10                    | 02Q13ZZ              | Repair Coronary Artery, Two Arteries, Percutaneous Approach  | 49                 | Other OR heart pr         |
| 10                    | 02Q14ZZ              | Repair Coronary Artery, Two Arteries, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 02Q20ZZ              | Repair Coronary Artery, Three Arteries, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02Q23ZZ              | Repair Coronary Artery, Three Arteries, Perc Approach        | 49                 | Other OR heart pr         |
| 10                    | 02Q24ZZ              | Repair Coronary Artery, Three Arteries, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02Q30ZZ              | Repair Coronary Artery, Four or More Arteries, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02Q33ZZ              | Repair Coronary Artery, Four or More Arteries, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 02Q34ZZ              | Repair 4+ Cor Art, Perc Endo Approach                        | 49                 | Other OR heart pr         |
| 10                    | 02Q40ZZ              | Repair Coronary Vein, Open Approach                          | 49                 | Other OR heart pr         |
| 10                    | 02Q43ZZ              | Repair Coronary Vein, Percutaneous Approach                  | 49                 | Other OR heart pr         |
| 10                    | 02Q44ZZ              | Repair Coronary Vein, Percutaneous Endoscopic Approach       | 49                 | Other OR heart pr         |
| 10                    | 02Q50ZZ              | Repair Atrial Septum, Open Approach                          | 49                 | Other OR heart pr         |
| 10                    | 02Q53ZZ              | Repair Atrial Septum, Percutaneous Approach                  | 49                 | Other OR heart pr         |
| 10                    | 02Q54ZZ              | Repair Atrial Septum, Percutaneous Endoscopic Approach       | 49                 | Other OR heart pr         |
| 10                    | 02Q60ZZ              | Repair Right Atrium, Open Approach                           | 49                 | Other OR heart pr         |
| 10                    | 02Q63ZZ              | Repair Right Atrium, Percutaneous Approach                   | 49                 | Other OR heart pr         |
| 10                    | 02Q64ZZ              | Repair Right Atrium, Percutaneous Endoscopic Approach        | 49                 | Other OR heart pr         |
| 10                    | 02Q70ZZ              | Repair Left Atrium, Open Approach                            | 49                 | Other OR heart pr         |
| 10                    | 02Q73ZZ              | Repair Left Atrium, Percutaneous Approach                    | 49                 | Other OR heart pr         |
| 10                    | 02Q74ZZ              | Repair Left Atrium, Percutaneous Endoscopic Approach         | 49                 | Other OR heart pr         |
| 10                    | 02Q80ZZ              | Repair Conduction Mechanism, Open Approach                   | 49                 | Other OR heart pr         |
| 10                    | 02Q83ZZ              | Repair Conduction Mechanism, Percutaneous Approach           | 49                 | Other OR heart pr         |
| 10                    | 02Q84ZZ              | Repair Conduction Mechanism, Perc Endo Approach              | 49                 | Other OR heart pr         |
| 10                    | 02Q90ZZ              | Repair Chordae Tendineae, Open Approach                      | 49                 | Other OR heart pr         |
| 10                    | 02Q93ZZ              | Repair Chordae Tendineae, Percutaneous Approach              | 49                 | Other OR heart pr         |
| 10                    | 02Q94ZZ              | Repair Chordae Tendineae, Percutaneous Endoscopic Approach   | 49                 | Other OR heart pr         |
| 10                    | 02QA0ZZ              | Repair Heart, Open Approach                                  | 49                 | Other OR heart pr         |
| 10                    | 02QA3ZZ              | Repair Heart, Percutaneous Approach                          | 49                 | Other OR heart pr         |
| 10                    | 02QA4ZZ              | Repair Heart, Percutaneous Endoscopic Approach               | 49                 | Other OR heart pr         |
| 10                    | 02QB0ZZ              | Repair Right Heart, Open Approach                            | 49                 | Other OR heart pr         |
| 10                    | 02QB3ZZ              | Repair Right Heart, Percutaneous Approach                    | 49                 | Other OR heart pr         |
| 10                    | 02QB4ZZ              | Repair Right Heart, Percutaneous Endoscopic Approach         | 49                 | Other OR heart pr         |
| 10                    | 02QC0ZZ              | Repair Left Heart, Open Approach                             | 49                 | Other OR heart pr         |
| 10                    | 02QC3ZZ              | Repair Left Heart, Percutaneous Approach                     | 49                 | Other OR heart pr         |
| 10                    | 02QC4ZZ              | Repair Left Heart, Percutaneous Endoscopic Approach          | 49                 | Other OR heart pr         |
| 10                    | 02QD0ZZ              | Repair Papillary Muscle, Open Approach                       | 49                 | Other OR heart pr         |
| 10                    | 02QD3ZZ              | Repair Papillary Muscle, Percutaneous Approach               | 49                 | Other OR heart pr         |
| 10                    | 02QD4ZZ              | Repair Papillary Muscle, Percutaneous Endoscopic Approach    | 49                 | Other OR heart pr         |
| 10                    | 02QF0ZJ              | Repair Aortic Valve created from Trunc Vlv, Open Approach    | 43                 | Heart valve proce         |
| 10                    | 02QF0ZZ              | Repair Aortic Valve, Open Approach                           | 43                 | Heart valve proce         |
| 10                    | 02QF3ZJ              | Repair Aortic Valve created from Trunc Vlv, Perc Approach    | 43                 | Heart valve proce         |
| 10                    | 02QF3ZZ              | Repair Aortic Valve, Percutaneous Approach                   | 43                 | Heart valve proce         |
| 10                    | 02QF4ZJ              | Repair Aort Valve created from Trunc Vlv, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02QF4ZZ              | Repair Aortic Valve, Percutaneous Endoscopic Approach        | 43                 | Heart valve proce         |
| 10                    | 02QG0ZE              | Repair Mitral Valve created from L AV Vlv, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02QG0ZZ              | Repair Mitral Valve, Open Approach                           | 43                 | Heart valve proce         |
| 10                    | 02QG3ZE              | Repair Mitral Valve created from L AV Vlv, Perc Approach     | 43                 | Heart valve proce         |
| 10                    | 02QG3ZZ              | Repair Mitral Valve, Percutaneous Approach                   | 43                 | Heart valve proce         |
| 10                    | 02QG4ZE              | Repair Mitral Valve fr L AV Vlv, Perc Endo                   | 43                 | Heart valve proce         |
| 10                    | 02QG4ZZ              | Repair Mitral Valve, Percutaneous Endoscopic Approach        | 43                 | Heart valve proce         |
| 10                    | 02QH0ZZ              | Repair Pulmonary Valve, Open Approach                        | 43                 | Heart valve proce         |
| 10                    | 02QH3ZZ              | Repair Pulmonary Valve, Percutaneous Approach                | 43                 | Heart valve proce         |
| 10                    | 02QH4ZZ              | Repair Pulmonary Valve, Percutaneous Endoscopic Approach     | 43                 | Heart valve proce         |
| 10                    | 02QJ0ZG              | Repair Tricuspid Valve created from R AV Vlv, Open Approach  | 43                 | Heart valve proce         |
| 10                    | 02QJ0ZZ              | Repair Tricuspid Valve, Open Approach                        | 43                 | Heart valve proce         |
| 10                    | 02QJ3ZG              | Repair Tricuspid Valve created from R AV Vlv, Perc Approach  | 43                 | Heart valve proce         |
| 10                    | 02QJ3ZZ              | Repair Tricuspid Valve, Percutaneous Approach                | 43                 | Heart valve proce         |
| 10                    | 02QJ4ZG              | Repair Tricuspid Valve fr R AV Vlv, Perc Endo                | 43                 | Heart valve proce         |
| 10                    | 02QJ4ZZ              | Repair Tricuspid Valve, Percutaneous Endoscopic Approach     | 43                 | Heart valve proce         |
| 10                    | 02QK0ZZ              | Repair Right Ventricle, Open Approach                        | 49                 | Other OR heart pr         |
| 10                    | 02QK3ZZ              | Repair Right Ventricle, Percutaneous Approach                | 49                 | Other OR heart pr         |
| 10                    | 02QK4ZZ              | Repair Right Ventricle, Percutaneous Endoscopic Approach     | 49                 | Other OR heart pr         |
| 10                    | 02QL0ZZ              | Repair Left Ventricle, Open Approach                         | 49                 | Other OR heart pr         |
| 10                    | 02QL3ZZ              | Repair Left Ventricle, Percutaneous Approach                 | 49                 | Other OR heart pr         |
| 10                    | 02QL4ZZ              | Repair Left Ventricle, Percutaneous Endoscopic Approach      | 49                 | Other OR heart pr         |
| 10                    | 02QM0ZZ              | Repair Ventricular Septum, Open Approach                     | 49                 | Other OR heart pr         |
| 10                    | 02QM3ZZ              | Repair Ventricular Septum, Percutaneous Approach             | 49                 | Other OR heart pr         |
| 10                    | 02QM4ZZ              | Repair Ventricular Septum, Percutaneous Endoscopic Approach  | 49                 | Other OR heart pr         |
| 10                    | 02QN0ZZ              | Repair Pericardium, Open Approach                            | 49                 | Other OR heart pr         |
| 10                    | 02QN3ZZ              | Repair Pericardium, Percutaneous Approach                    | 49                 | Other OR heart pr         |
| 10                    | 02QN4ZZ              | Repair Pericardium, Percutaneous Endoscopic Approach         | 49                 | Other OR heart pr         |
| 10                    | 02RS07Z              | Replacement of Atrial Septum with Autol Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RS08Z              | Replacement of Atrial Septum with Zooplastic, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RS0IZ              | Replacement of Atrial Septum with Synth Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RS0KZ              | Replacement of Atrial Septum with Nonaut Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RS47Z              | Replace of Atrial Sept with Autol Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RS48Z              | Replace of Atrial Sept with Zooplastic, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RS4IZ              | Replace of Atrial Sept with Synth Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RS4KZ              | Replace of Atrial Sept with Nonaut Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R607Z              | Replacement of Right Atrium with Autol Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02R608Z              | Replacement of Right Atrium with Zooplastic, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R60JZ              | Replacement of Right Atrium with Synth Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02R60KZ              | Replacement of Right Atrium with Nonaut Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R647Z              | Replacement of R Atrium with Autol Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R648Z              | Replacement of R Atrium with Zooplastic, Perc Endo Approach  | 49                 | Other OR heart pr         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 02R64JZ              | Replacement of R Atrium with Synth Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02R64KZ              | Replacement of R Atrium with Nonaut Sub, Perc Endo Approac  | 49                 | Other OR heart pr         |
| 10                    | 02R707Z              | Replacement of Left Atrium with Autol Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02R708Z              | Replacement of Left Atrium with Zooplastic, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R70JZ              | Replacement of Left Atrium with Synth Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02R70KZ              | Replacement of Left Atrium with Nonaut Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02R747Z              | Replacement of L Atrium with Autol Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02R748Z              | Replacement of L Atrium with Zooplastic, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02R74JZ              | Replacement of L Atrium with Synth Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02R74KZ              | Replacement of L Atrium with Nonaut Sub, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02R907Z              | Replace of Chordae Tendineae with Autol Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02R908Z              | Replace of Chordae Tendineae with Zooplastic, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02R90JZ              | Replace of Chordae Tendineae with Synth Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02R90KZ              | Replace of Chordae Tendineae with Nonaut Sub, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02R947Z              | Replace Chordae Tendineae w Autol Sub, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02R948Z              | Replace Chordae Tendineae w Zooplastic, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02R94JZ              | Replace Chordae Tendineae w Synth Sub, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02R94KZ              | Replace Chordae Tendineae w Nonaut Sub, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02RD07Z              | Replace of Papillary Muscle with Autol Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RD08Z              | Replace of Papillary Muscle with Zooplastic, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RD0JZ              | Replace of Papillary Muscle with Synth Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RD0KZ              | Replace of Papillary Muscle with Nonaut Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RD47Z              | Replace Papillary Muscle w Autol Sub, Perc Endo             | 49                 | Other OR heart pr         |
| 10                    | 02RD48Z              | Replace Papillary Muscle w Zooplastic, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02RD4JZ              | Replace Papillary Muscle w Synth Sub, Perc Endo             | 49                 | Other OR heart pr         |
| 10                    | 02RD4KZ              | Replace Papillary Muscle w Nonaut Sub, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02RF07Z              | Replacement of Aortic Valve with Autol Sub, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02RF08Z              | Replacement of Aortic Valve with Zooplastic, Open Approach  | 43                 | Heart valve proce         |
| 10                    | 02RF0JZ              | Replacement of Aortic Valve with Synth Sub, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02RF0KZ              | Replacement of Aortic Valve with Nonaut Sub, Open Approach  | 43                 | Heart valve proce         |
| 10                    | 02RF37H              | Replace of Aort Valve with Autol Sub, Transap, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RF37Z              | Replacement of Aortic Valve with Autol Sub, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02RF38H              | Replace Aort Valve w Zooplastic, Transap, Perc              | 43                 | Heart valve proce         |
| 10                    | 02RF38Z              | Replacement of Aortic Valve with Zooplastic, Perc Approach  | 43                 | Heart valve proce         |
| 10                    | 02RF3JH              | Replace of Aort Valve with Synth Sub, Transap, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RF3JZ              | Replacement of Aortic Valve with Synth Sub, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02RF3KH              | Replace Aort Valve w Nonaut Sub, Transap, Perc              | 43                 | Heart valve proce         |
| 10                    | 02RF3KZ              | Replacement of Aortic Valve with Nonaut Sub, Perc Approach  | 43                 | Heart valve proce         |
| 10                    | 02RF47Z              | Replacement of Aort Valve with Autol Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RF48Z              | Replace of Aort Valve with Zooplastic, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02RF4JZ              | Replacement of Aort Valve with Synth Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RF4KZ              | Replace of Aort Valve with Nonaut Sub, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02RG07Z              | Replacement of Mitral Valve with Autol Sub, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02RG08Z              | Replacement of Mitral Valve with Zooplastic, Open Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG0JZ              | Replacement of Mitral Valve with Synth Sub, Open Approach   | 43                 | Heart valve proce         |
| 10                    | 02RG0KZ              | Replacement of Mitral Valve with Nonaut Sub, Open Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG37H              | Replace Mitral Valve w Autol Sub, Transap, Perc             | 43                 | Heart valve proce         |
| 10                    | 02RG37Z              | Replacement of Mitral Valve with Autol Sub, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02RG38H              | Replace Mitral Valve w Zooplastic, Transap, Perc            | 43                 | Heart valve proce         |
| 10                    | 02RG38Z              | Replacement of Mitral Valve with Zooplastic, Perc Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG3JH              | Replace Mitral Valve w Synth Sub, Transap, Perc             | 43                 | Heart valve proce         |
| 10                    | 02RG3JZ              | Replacement of Mitral Valve with Synth Sub, Perc Approach   | 43                 | Heart valve proce         |
| 10                    | 02RG3KH              | Replace Mitral Valve w Nonaut Sub, Transap, Perc            | 43                 | Heart valve proce         |
| 10                    | 02RG3KZ              | Replacement of Mitral Valve with Nonaut Sub, Perc Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG47Z              | Replace of Mitral Valve with Autol Sub, Perc Endo Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG48Z              | Replace of Mitral Valve with Zooplastic, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02RG4JZ              | Replace of Mitral Valve with Synth Sub, Perc Endo Approach  | 43                 | Heart valve proce         |
| 10                    | 02RG4KZ              | Replace of Mitral Valve with Nonaut Sub, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02RH07Z              | Replacement of Pulmonary Valve with Autol Sub, Open Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH08Z              | Replacement of Pulm Valve with Zooplastic, Open Approach    | 43                 | Heart valve proce         |
| 10                    | 02RH0JZ              | Replacement of Pulmonary Valve with Synth Sub, Open Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH0KZ              | Replacement of Pulm Valve with Nonaut Sub, Open Approach    | 43                 | Heart valve proce         |
| 10                    | 02RH37H              | Replace of Pulm Valve with Autol Sub, Transap, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH37Z              | Replacement of Pulmonary Valve with Autol Sub, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH38H              | Replace Pulm Valve w Zooplastic, Transap, Perc              | 43                 | Heart valve proce         |
| 10                    | 02RH38Z              | Replacement of Pulm Valve with Zooplastic, Perc Approach    | 43                 | Heart valve proce         |
| 10                    | 02RH3JH              | Replace of Pulm Valve with Synth Sub, Transap, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH3JZ              | Replacement of Pulmonary Valve with Synth Sub, Perc Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH3KH              | Replace Pulm Valve w Nonaut Sub, Transap, Perc              | 43                 | Heart valve proce         |
| 10                    | 02RH3KZ              | Replacement of Pulm Valve with Nonaut Sub, Perc Approach    | 43                 | Heart valve proce         |
| 10                    | 02RH47Z              | Replacement of Pulm Valve with Autol Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH48Z              | Replace of Pulm Valve with Zooplastic, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02RH4JZ              | Replacement of Pulm Valve with Synth Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RH4KZ              | Replace of Pulm Valve with Nonaut Sub, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02RJ07Z              | Replacement of Tricuspid Valve with Autol Sub, Open Approa  | 43                 | Heart valve proce         |
| 10                    | 02RJ08Z              | Replacement of Tricusp Valve with Zooplastic, Open Approac  | 43                 | Heart valve proce         |
| 10                    | 02RJ0JZ              | Replacement of Tricuspid Valve with Synth Sub, Open Approa  | 43                 | Heart valve proce         |
| 10                    | 02RJ0KZ              | Replacement of Tricusp Valve with Nonaut Sub, Open Approac  | 43                 | Heart valve proce         |
| 10                    | 02RJ47Z              | Replace of Tricusp Valve with Autol Sub, Perc Endo Approac  | 43                 | Heart valve proce         |
| 10                    | 02RJ48Z              | Replace of Tricusp Valve with Zooplastic, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RJ4JZ              | Replace of Tricusp Valve with Synth Sub, Perc Endo Approac  | 43                 | Heart valve proce         |
| 10                    | 02RJ4KZ              | Replace of Tricusp Valve with Nonaut Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02RK07Z              | Replacement of Right Ventricle with Autol Sub, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02RK08Z              | Replacement of R Ventricle with Zooplastic, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RK0JZ              | Replacement of Right Ventricle with Synth Sub, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02RK0KZ              | Replacement of R Ventricle with Nonaut Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RK47Z              | Replace of R Ventricle with Autol Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RK48Z              | Replace of R Ventricle with Zooplastic, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RK4JZ              | Replace of R Ventricle with Synth Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RK4KZ              | Replace of R Ventricle with Nonaut Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RL07Z              | Replacement of Left Ventricle with Autol Sub, Open Approac  | 49                 | Other OR heart pr         |
| 10                    | 02RL08Z              | Replacement of Left Ventricle with Zooplastic, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02RL0JZ              | Replacement of Left Ventricle with Synth Sub, Open Approac  | 49                 | Other OR heart pr         |
| 10                    | 02RL0KZ              | Replacement of Left Ventricle with Nonaut Sub, Open Approa  | 49                 | Other OR heart pr         |
| 10                    | 02RL47Z              | Replace of L Ventricle with Autol Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RL48Z              | Replace of L Ventricle with Zooplastic, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RL4JZ              | Replace of L Ventricle with Synth Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RL4KZ              | Replace of L Ventricle with Nonaut Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RM07Z              | Replace of Ventricular Sept with Autol Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RM08Z              | Replace of Ventricular Sept with Zooplastic, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RM0JZ              | Replace of Ventricular Sept with Synth Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RM0KZ              | Replace of Ventricular Sept with Nonaut Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02RM47Z              | Replace Ventricular Sept w Autol Sub, Perc Endo             | 49                 | Other OR heart pr         |
| 10                    | 02RM48Z              | Replace Ventricular Sept w Zooplastic, Perc Endo            | 49                 | Other OR heart pr         |
| 10                    | 02RM4JZ              | Replace Ventricular Sept w Synth Sub, Perc Endo             | 49                 | Other OR heart pr         |
| 10                    | 02RM4KZ              | Replace Ventricular Sept w Nonaut Sub, Perc Endo            | 49                 | Other OR heart pr         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 02RN07Z              | Replacement of Pericardium with Autol Sub, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02RN08Z              | Replacement of Pericardium with Zooplastic, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RN0JZ              | Replacement of Pericardium with Synth Sub, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02RN0KZ              | Replacement of Pericardium with Nonaut Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RN47Z              | Replace of Pericardium with Autol Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RN48Z              | Replace of Pericardium with Zooplastic, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02RN4JZ              | Replace of Pericardium with Synth Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02RN4KZ              | Replace of Pericardium with Nonaut Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02T50ZZ              | Resection of Atrial Septum, Open Approach                    | 49                 | Other OR heart pr         |
| 10                    | 02T53ZZ              | Resection of Atrial Septum, Percutaneous Approach            | 49                 | Other OR heart pr         |
| 10                    | 02T54ZZ              | Resection of Atrial Septum, Percutaneous Endoscopic Approach | 49                 | Other OR heart pr         |
| 10                    | 02T80ZZ              | Resection of Conduction Mechanism, Open Approach             | 49                 | Other OR heart pr         |
| 10                    | 02T83ZZ              | Resection of Conduction Mechanism, Percutaneous Approach     | 49                 | Other OR heart pr         |
| 10                    | 02T84ZZ              | Resection of Conduction Mechanism, Perc Endo Approach        | 49                 | Other OR heart pr         |
| 10                    | 02T90ZZ              | Resection of Chordae Tendineae, Open Approach                | 49                 | Other OR heart pr         |
| 10                    | 02T93ZZ              | Resection of Chordae Tendineae, Percutaneous Approach        | 49                 | Other OR heart pr         |
| 10                    | 02T94ZZ              | Resection of Chordae Tendineae, Perc Endo Approach           | 49                 | Other OR heart pr         |
| 10                    | 02TD0ZZ              | Resection of Papillary Muscle, Open Approach                 | 49                 | Other OR heart pr         |
| 10                    | 02TD3ZZ              | Resection of Papillary Muscle, Percutaneous Approach         | 49                 | Other OR heart pr         |
| 10                    | 02TD4ZZ              | Resection of Papillary Muscle, Perc Endo Approach            | 49                 | Other OR heart pr         |
| 10                    | 02TH0ZZ              | Resection of Pulmonary Valve, Open Approach                  | 43                 | Heart valve proce         |
| 10                    | 02TH3ZZ              | Resection of Pulmonary Valve, Percutaneous Approach          | 43                 | Heart valve proce         |
| 10                    | 02TH4ZZ              | Resection of Pulmonary Valve, Perc Endo Approach             | 43                 | Heart valve proce         |
| 10                    | 02TM0ZZ              | Resection of Ventricular Septum, Open Approach               | 49                 | Other OR heart pr         |
| 10                    | 02TM3ZZ              | Resection of Ventricular Septum, Percutaneous Approach       | 49                 | Other OR heart pr         |
| 10                    | 02TM4ZZ              | Resection of Ventricular Septum, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 02TN0ZZ              | Resection of Pericardium, Open Approach                      | 49                 | Other OR heart pr         |
| 10                    | 02TN3ZZ              | Resection of Pericardium, Percutaneous Approach              | 49                 | Other OR heart pr         |
| 10                    | 02TN4ZZ              | Resection of Pericardium, Percutaneous Endoscopic Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U507Z              | Supplement Atrial Septum with Autol Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U508Z              | Supplement Atrial Septum with Zooplastic, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02U50JZ              | Supplement Atrial Septum with Synth Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U50KZ              | Supplement Atrial Septum with Nonaut Sub, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02U537Z              | Supplement Atrial Septum with Autol Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U538Z              | Supplement Atrial Septum with Zooplastic, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02U53JZ              | Supplement Atrial Septum with Synth Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U53KZ              | Supplement Atrial Septum with Nonaut Sub, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02U547Z              | Supplement Atrial Septum with Autol Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U548Z              | Supplement Atrial Septum with Zooplastic, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02U54JZ              | Supplement Atrial Septum with Synth Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U54KZ              | Supplement Atrial Septum with Nonaut Sub, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02U607Z              | Supplement Right Atrium with Autol Sub, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U608Z              | Supplement Right Atrium with Zooplastic, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U60JZ              | Supplement Right Atrium with Synth Sub, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U60KZ              | Supplement Right Atrium with Nonaut Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U637Z              | Supplement Right Atrium with Autol Sub, Perc Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U638Z              | Supplement Right Atrium with Zooplastic, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U63JZ              | Supplement Right Atrium with Synth Sub, Perc Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U63KZ              | Supplement Right Atrium with Nonaut Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02U647Z              | Supplement Right Atrium with Autol Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U648Z              | Supplement Right Atrium with Zooplastic, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U64JZ              | Supplement Right Atrium with Synth Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U64KZ              | Supplement Right Atrium with Nonaut Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U707Z              | Supplement Left Atrium with Autol Sub, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02U708Z              | Supplement Left Atrium with Zooplastic Tissue, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 02U70JZ              | Supplement Left Atrium with Synth Sub, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 02U70KZ              | Supplement Left Atrium with Nonaut Sub, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U737Z              | Supplement Left Atrium with Autol Sub, Perc Approach         | 49                 | Other OR heart pr         |
| 10                    | 02U738Z              | Supplement Left Atrium with Zooplastic Tissue, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 02U73KZ              | Supplement Left Atrium with Nonaut Sub, Perc Approach        | 49                 | Other OR heart pr         |
| 10                    | 02U747Z              | Supplement Left Atrium with Autol Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02U748Z              | Supplement Left Atrium with Zooplastic, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U74KZ              | Supplement Left Atrium with Nonaut Sub, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U907Z              | Supplement Chordae Tendineae with Autol Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U908Z              | Supplement Chordae Tendineae with Zooplastic, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U90JZ              | Supplement Chordae Tendineae with Synth Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U90KZ              | Supplement Chordae Tendineae with Nonaut Sub, Open Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U937Z              | Supplement Chordae Tendineae with Autol Sub, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U938Z              | Supplement Chordae Tendineae with Zooplastic, Perc Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U93JZ              | Supplement Chordae Tendineae with Synth Sub, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02U93KZ              | Supplement Chordae Tendineae with Nonaut Sub, Perc Approach  | 49                 | Other OR heart pr         |
| 10                    | 02U947Z              | Supplement Chordae Tendineae w Autol Sub, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02U948Z              | Supplement Chordae Tendineae w Zooplastic, Perc Endo         | 49                 | Other OR heart pr         |
| 10                    | 02U94JZ              | Supplement Chordae Tendineae w Synth Sub, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02U94KZ              | Supplement Chordae Tendineae w Nonaut Sub, Perc Endo         | 49                 | Other OR heart pr         |
| 10                    | 02UA07Z              | Supplement Heart with Autol Sub, Open Approach               | 49                 | Other OR heart pr         |
| 10                    | 02UA08Z              | Supplement Heart with Zooplastic Tissue, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UA0JZ              | Supplement Heart with Synthetic Substitute, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UA0KZ              | Supplement Heart with Nonaut Sub, Open Approach              | 49                 | Other OR heart pr         |
| 10                    | 02UA37Z              | Supplement Heart with Autol Sub, Perc Approach               | 49                 | Other OR heart pr         |
| 10                    | 02UA38Z              | Supplement Heart with Zooplastic Tissue, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UA3JZ              | Supplement Heart with Synthetic Substitute, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UA3KZ              | Supplement Heart with Nonaut Sub, Perc Approach              | 49                 | Other OR heart pr         |
| 10                    | 02UA47Z              | Supplement Heart with Autol Sub, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 02UA48Z              | Supplement Heart with Zooplastic Tissue, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02UA4JZ              | Supplement Heart with Synth Sub, Perc Endo Approach          | 49                 | Other OR heart pr         |
| 10                    | 02UA4KZ              | Supplement Heart with Nonaut Sub, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 02UD07Z              | Supplement Papillary Muscle with Autol Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UD08Z              | Supplement Papillary Muscle with Zooplastic, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02UD0JZ              | Supplement Papillary Muscle with Synth Sub, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UD0KZ              | Supplement Papillary Muscle with Nonaut Sub, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02UD37Z              | Supplement Papillary Muscle with Autol Sub, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UD38Z              | Supplement Papillary Muscle with Zooplastic, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02UD3JZ              | Supplement Papillary Muscle with Synth Sub, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UD3KZ              | Supplement Papillary Muscle with Nonaut Sub, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02UD47Z              | Supplement Papillary Muscle w Autol Sub, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02UD48Z              | Supplement Papillary Muscle w Zooplastic, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02UD4JZ              | Supplement Papillary Muscle w Synth Sub, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 02UD4KZ              | Supplement Papillary Muscle w Nonaut Sub, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02UF07J              | Supplement Aort Valve fr Trunc Vlv w Autol Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 02UF07Z              | Supplement Aortic Valve with Autol Sub, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02UF08J              | Supplement Aort Valve fr Trunc Vlv w Zooplastic, Open        | 43                 | Heart valve proce         |
| 10                    | 02UF08Z              | Supplement Aortic Valve with Zooplastic, Open Approach       | 43                 | Heart valve proce         |
| 10                    | 02UF0J               | Supplement Aort Valve fr Trunc Vlv w Synth Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 02UF0JZ              | Supplement Aortic Valve with Synth Sub, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02UF0KJ              | Supplement Aort Valve fr Trunc Vlv w Nonaut Sub, Open        | 43                 | Heart valve proce         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description   | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 02UF0KZ              | Supplement Aortic Valve with Nonaut Sub, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02UF37J              | Supplement Aort Valve fr Trunc Vlv w Autol Sub, Perc          | 43                 | Heart valve proce         |
| 10                    | 02UF37Z              | Supplement Aortic Valve with Autol Sub, Perc Approach         | 43                 | Heart valve proce         |
| 10                    | 02UF38J              | Supplement Aort Valve fr Trunc Vlv w Zooplastic, Perc         | 43                 | Heart valve proce         |
| 10                    | 02UF38Z              | Supplement Aortic Valve with Zooplastic, Perc Approach        | 43                 | Heart valve proce         |
| 10                    | 02UF3J               | Supplement Aort Valve fr Trunc Vlv w Synth Sub, Perc          | 43                 | Heart valve proce         |
| 10                    | 02UF3JZ              | Supplement Aortic Valve with Synth Sub, Perc Approach         | 43                 | Heart valve proce         |
| 10                    | 02UF3KJ              | Supplement Aort Valve fr Trunc Vlv w Nonaut Sub, Perc         | 43                 | Heart valve proce         |
| 10                    | 02UF3KZ              | Supplement Aortic Valve with Nonaut Sub, Perc Approach        | 43                 | Heart valve proce         |
| 10                    | 02UF47J              | Supplement Aort Valve fr Trunc Vlv w Autol Sub, Perc Endo     | 43                 | Heart valve proce         |
| 10                    | 02UF47Z              | Supplement Aortic Valve with Autol Sub, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02UF48J              | Supplement Aort Valve fr Trunc Vlv w Zooplastic, Perc Endo    | 43                 | Heart valve proce         |
| 10                    | 02UF48Z              | Supplement Aortic Valve with Zooplastic, Perc Endo Approac    | 43                 | Heart valve proce         |
| 10                    | 02UF4J               | Supplement Aort Valve fr Trunc Vlv w Synth Sub, Perc Endo     | 43                 | Heart valve proce         |
| 10                    | 02UF4JZ              | Supplement Aortic Valve with Synth Sub, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02UF4KJ              | Supplement Aort Valve fr Trunc Vlv w Nonaut Sub, Perc Endo    | 43                 | Heart valve proce         |
| 10                    | 02UF4KZ              | Supplement Aortic Valve with Nonaut Sub, Perc Endo Approac    | 43                 | Heart valve proce         |
| 10                    | 02UG07E              | Supplement Mitral Valve fr L AV Vlv w Autol Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 02UG07Z              | Supplement Mitral Valve with Autol Sub, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02UG08E              | Supplement Mitral Valve fr L AV Vlv w Zooplastic, Open        | 43                 | Heart valve proce         |
| 10                    | 02UG08Z              | Supplement Mitral Valve with Zooplastic, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02UG0IE              | Supplement Mitral Valve fr L AV Vlv w Synth Sub, Open         | 43                 | Heart valve proce         |
| 10                    | 02UG0IZ              | Supplement Mitral Valve with Synth Sub, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02UG0KE              | Supplement Mitral Valve fr L AV Vlv w Nonaut Sub, Open        | 43                 | Heart valve proce         |
| 10                    | 02UG0KZ              | Supplement Mitral Valve with Nonaut Sub, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02UG37E              | Supplement Mitral Valve fr L AV Vlv w Autol Sub, Perc         | 43                 | Heart valve proce         |
| 10                    | 02UG37Z              | Supplement Mitral Valve with Autol Sub, Perc Approach         | 43                 | Heart valve proce         |
| 10                    | 02UG38E              | Supplement Mitral Valve fr L AV Vlv w Zooplastic, Perc        | 43                 | Heart valve proce         |
| 10                    | 02UG38Z              | Supplement Mitral Valve with Zooplastic, Perc Approach        | 43                 | Heart valve proce         |
| 10                    | 02UG3JE              | Supplement Mitral Valve fr L AV Vlv w Synth Sub, Perc         | 43                 | Heart valve proce         |
| 10                    | 02UG3JZ              | Supplement Mitral Valve with Synth Sub, Perc Approach         | 43                 | Heart valve proce         |
| 10                    | 02UG3KE              | Supplement Mitral Valve fr L AV Vlv w Nonaut Sub, Perc        | 43                 | Heart valve proce         |
| 10                    | 02UG3KZ              | Supplement Mitral Valve with Nonaut Sub, Perc Approach        | 43                 | Heart valve proce         |
| 10                    | 02UG47E              | Supplement Mitral Valve fr L AV Vlv w Autol Sub, Perc Endo    | 43                 | Heart valve proce         |
| 10                    | 02UG47Z              | Supplement Mitral Valve with Autol Sub, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02UG48E              | Supplement Mitral Valve fr L AV Vlv w Zooplastic, Perc Endo   | 43                 | Heart valve proce         |
| 10                    | 02UG48Z              | Supplement Mitral Valve with Zooplastic, Perc Endo Approac    | 43                 | Heart valve proce         |
| 10                    | 02UG4JE              | Supplement Mitral Valve fr L AV Vlv w Synth Sub, Perc Endo    | 43                 | Heart valve proce         |
| 10                    | 02UG4JZ              | Supplement Mitral Valve with Synth Sub, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02UG4KE              | Supplement Mitral Valve fr L AV Vlv w Nonaut Sub, Perc Endo   | 43                 | Heart valve proce         |
| 10                    | 02UG4KZ              | Supplement Mitral Valve with Nonaut Sub, Perc Endo Approac    | 43                 | Heart valve proce         |
| 10                    | 02UH07Z              | Supplement Pulmonary Valve with Autol Sub, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH08Z              | Supplement Pulmonary Valve with Zooplastic, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02UH0JZ              | Supplement Pulmonary Valve with Synth Sub, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH0KZ              | Supplement Pulmonary Valve with Nonaut Sub, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02UH37Z              | Supplement Pulmonary Valve with Autol Sub, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH38Z              | Supplement Pulmonary Valve with Zooplastic, Perc Approach     | 43                 | Heart valve proce         |
| 10                    | 02UH3JZ              | Supplement Pulmonary Valve with Synth Sub, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH3KZ              | Supplement Pulmonary Valve with Nonaut Sub, Perc Approach     | 43                 | Heart valve proce         |
| 10                    | 02UH47Z              | Supplement Pulm Valve with Autol Sub, Perc Endo Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH48Z              | Supplement Pulm Valve with Zooplastic, Perc Endo Approach     | 43                 | Heart valve proce         |
| 10                    | 02UH4JZ              | Supplement Pulm Valve with Synth Sub, Perc Endo Approach      | 43                 | Heart valve proce         |
| 10                    | 02UH4KZ              | Supplement Pulm Valve with Nonaut Sub, Perc Endo Approach     | 43                 | Heart valve proce         |
| 10                    | 02UJ07G              | Supplement Tricuspid Valve fr R AV Vlv w Autol Sub, Open      | 43                 | Heart valve proce         |
| 10                    | 02UJ07Z              | Supplement Tricuspid Valve with Autol Sub, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02UJ08G              | Supplement Tricuspid Valve fr R AV Vlv w Zooplastic, Open     | 43                 | Heart valve proce         |
| 10                    | 02UJ08Z              | Supplement Tricuspid Valve with Zooplastic, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02UJ0JG              | Supplement Tricuspid Valve fr R AV Vlv w Synth Sub, Open      | 43                 | Heart valve proce         |
| 10                    | 02UJ0JZ              | Supplement Tricuspid Valve with Synth Sub, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02UJ0KG              | Supplement Tricuspid Valve fr R AV Vlv w Nonaut Sub, Open     | 43                 | Heart valve proce         |
| 10                    | 02UJ0KZ              | Supplement Tricuspid Valve with Nonaut Sub, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02UJ37G              | Supplement Tricuspid Valve fr R AV Vlv w Autol Sub, Perc      | 43                 | Heart valve proce         |
| 10                    | 02UJ37Z              | Supplement Tricuspid Valve with Autol Sub, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02UJ38G              | Supplement Tricuspid Valve fr R AV Vlv w Zooplastic, Perc     | 43                 | Heart valve proce         |
| 10                    | 02UJ38Z              | Supplement Tricuspid Valve with Zooplastic, Perc Approach     | 43                 | Heart valve proce         |
| 10                    | 02UJ3JG              | Supplement Tricuspid Valve fr R AV Vlv w Synth Sub, Perc      | 43                 | Heart valve proce         |
| 10                    | 02UJ3JZ              | Supplement Tricuspid Valve with Synth Sub, Perc Approach      | 43                 | Heart valve proce         |
| 10                    | 02UJ3KG              | Supplement Tricuspid Valve fr R AV Vlv w Nonaut Sub, Perc     | 43                 | Heart valve proce         |
| 10                    | 02UJ3KZ              | Supplement Tricuspid Valve with Nonaut Sub, Perc Approach     | 43                 | Heart valve proce         |
| 10                    | 02UJ47G              | Supplement Tricuspid Valve fr R AV Vlv w Autol Sub, Perc End  | 43                 | Heart valve proce         |
| 10                    | 02UJ47Z              | Supplement Tricuspid Valve with Autol Sub, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02UJ48G              | Supplement Tricuspid Valve fr R AV Vlv w Zooplastic, Perc En  | 43                 | Heart valve proce         |
| 10                    | 02UJ48Z              | Supplement Tricuspid Valve with Zooplastic, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02UJ4JG              | Supplement Tricuspid Valve fr R AV Vlv w Synth Sub, Perc End  | 43                 | Heart valve proce         |
| 10                    | 02UJ4JZ              | Supplement Tricuspid Valve with Synth Sub, Perc Endo Approac  | 43                 | Heart valve proce         |
| 10                    | 02UJ4KG              | Supplement Tricuspid Valve fr R AV Vlv w Nonaut Sub, Perc En  | 43                 | Heart valve proce         |
| 10                    | 02UJ4KZ              | Supplement Tricuspid Valve with Nonaut Sub, Perc Endo Approa  | 43                 | Heart valve proce         |
| 10                    | 02UK07Z              | Supplement Right Ventricle with Autol Sub, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UK08Z              | Supplement Right Ventricle with Zooplastic, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK0JZ              | Supplement Right Ventricle with Synth Sub, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UK0KZ              | Supplement Right Ventricle with Nonaut Sub, Open Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK37Z              | Supplement Right Ventricle with Autol Sub, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UK38Z              | Supplement Right Ventricle with Zooplastic, Perc Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK3JZ              | Supplement Right Ventricle with Synth Sub, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UK3KZ              | Supplement Right Ventricle with Nonaut Sub, Perc Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK47Z              | Supplement R Ventricle with Autol Sub, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK48Z              | Supplement R Ventricle with Zooplastic, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UK4JZ              | Supplement R Ventricle with Synth Sub, Perc Endo Approach     | 49                 | Other OR heart pr         |
| 10                    | 02UK4KZ              | Supplement R Ventricle with Nonaut Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UL07Z              | Supplement Left Ventricle with Autol Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UL08Z              | Supplement Left Ventricle with Zooplastic, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UL0JZ              | Supplement Left Ventricle with Synth Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UL0KZ              | Supplement Left Ventricle with Nonaut Sub, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UL37Z              | Supplement Left Ventricle with Autol Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UL38Z              | Supplement Left Ventricle with Zooplastic, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UL3JZ              | Supplement Left Ventricle with Synth Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UL3KZ              | Supplement Left Ventricle with Nonaut Sub, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UL47Z              | Supplement Left Ventricle with Autol Sub, Perc Endo Approa    | 49                 | Other OR heart pr         |
| 10                    | 02UL48Z              | Supplement L Ventricle with Zooplastic, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UL4JZ              | Supplement Left Ventricle with Synth Sub, Perc Endo Approa    | 49                 | Other OR heart pr         |
| 10                    | 02UL4KZ              | Supplement L Ventricle with Nonaut Sub, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 02UM07Z              | Supplement Ventricular Septum with Autol Sub, Open Approac    | 49                 | Other OR heart pr         |
| 10                    | 02UM08Z              | Supplement Ventricular Septum with Zooplastic, Open Approa    | 49                 | Other OR heart pr         |
| 10                    | 02UM0JZ              | Supplement Ventricular Septum with Synth Sub, Open Approac    | 49                 | Other OR heart pr         |
| 10                    | 02UM0KZ              | Supplement Ventricular Septum with Nonaut Sub, Open Approac   | 49                 | Other OR heart pr         |
| 10                    | 02UM37Z              | Supplement Ventricular Septum with Autol Sub, Perc Approac    | 49                 | Other OR heart pr         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 02UM38Z              | Supplement Ventricular Septum with Zooplastic, Perc Approa | 49                 | Other OR heart pr         |
| 10                    | 02UM3JZ              | Supplement Ventricular Septum with Synth Sub, Perc Approac | 49                 | Other OR heart pr         |
| 10                    | 02UM3KZ              | Supplement Ventricular Septum with Nonaut Sub, Perc Approa | 49                 | Other OR heart pr         |
| 10                    | 02UM47Z              | Supplement Ventricular Sept w Autol Sub, Perc Endo         | 49                 | Other OR heart pr         |
| 10                    | 02UM48Z              | Supplement Ventricular Sept w Zooplastic, Perc Endo        | 49                 | Other OR heart pr         |
| 10                    | 02UM4JZ              | Supplement Ventricular Sept w Synth Sub, Perc Endo         | 49                 | Other OR heart pr         |
| 10                    | 02UM4KZ              | Supplement Ventricular Sept w Nonaut Sub, Perc Endo        | 49                 | Other OR heart pr         |
| 10                    | 02UN07Z              | Supplement Pericardium with Autol Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UN08Z              | Supplement Pericardium with Zooplastic Tissue, Open Approa | 49                 | Other OR heart pr         |
| 10                    | 02UN0JZ              | Supplement Pericardium with Synth Sub, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UN0KZ              | Supplement Pericardium with Nonaut Sub, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UN37Z              | Supplement Pericardium with Autol Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UN38Z              | Supplement Pericardium with Zooplastic Tissue, Perc Approa | 49                 | Other OR heart pr         |
| 10                    | 02UN3JZ              | Supplement Pericardium with Synth Sub, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02UN3KZ              | Supplement Pericardium with Nonaut Sub, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02UN47Z              | Supplement Pericardium with Autol Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02UN48Z              | Supplement Pericardium with Zooplastic, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02UN4JZ              | Supplement Pericardium with Synth Sub, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02UN4KZ              | Supplement Pericardium with Nonaut Sub, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02VA0CZ              | Restriction of Heart with Extraluminal Device, Open Approa | 49                 | Other OR heart pr         |
| 10                    | 02VA0ZZ              | Restriction of Heart, Open Approach                        | 49                 | Other OR heart pr         |
| 10                    | 02VA3CZ              | Restriction of Heart with Extraluminal Device, Perc Approa | 49                 | Other OR heart pr         |
| 10                    | 02VA3ZZ              | Restriction of Heart, Percutaneous Approach                | 49                 | Other OR heart pr         |
| 10                    | 02VA4CZ              | Restriction of Heart with Extralum Dev, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02VA4ZZ              | Restriction of Heart, Percutaneous Endoscopic Approach     | 49                 | Other OR heart pr         |
| 10                    | 02VR0CT              | Restrict of Ductus Arterio with Extralum Dev, Open Approac | 49                 | Other OR heart pr         |
| 10                    | 02VR0DT              | Restrict of Ductus Arterio with Intralum Dev, Open Approac | 49                 | Other OR heart pr         |
| 10                    | 02VR0ZT              | Restriction of Ductus Arteriosus, Open Approach            | 49                 | Other OR heart pr         |
| 10                    | 02VR3CT              | Restrict of Ductus Arterio with Extralum Dev, Perc Approac | 49                 | Other OR heart pr         |
| 10                    | 02VR3DT              | Restrict of Ductus Arterio with Intralum Dev, Perc Approac | 49                 | Other OR heart pr         |
| 10                    | 02VR3ZT              | Restriction of Ductus Arteriosus, Percutaneous Approach    | 49                 | Other OR heart pr         |
| 10                    | 02VR4CT              | Restrict Ductus Arterio w Extralum Dev, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02VR4DT              | Restrict Ductus Arterio w Intralum Dev, Perc Endo          | 49                 | Other OR heart pr         |
| 10                    | 02VR4ZT              | Restriction of Ductus Arteriosus, Perc Endo Approach       | 49                 | Other OR heart pr         |
| 10                    | 02W50JZ              | Revision of Synth Sub in Atrial Sept, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02W54JZ              | Revision of Synth Sub in Atrial Sept, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA02Z              | Revision of Monitoring Device in Heart, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02WA03Z              | Revision of Infusion Device in Heart, Open Approach        | 49                 | Other OR heart pr         |
| 10                    | 02WA07Z              | Revision of Autol Sub in Heart, Open Approach              | 49                 | Other OR heart pr         |
| 10                    | 02WA08Z              | Revision of Zooplastic Tissue in Heart, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 02WA0CZ              | Revision of Extraluminal Device in Heart, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02WA0DZ              | Revision of Intraluminal Device in Heart, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 02WA0JZ              | Revision of Synthetic Substitute in Heart, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA0KZ              | Revision of Nonaut Sub in Heart, Open Approach             | 49                 | Other OR heart pr         |
| 10                    | 02WA0MZ              | Revision of Cardiac Lead in Heart, Open Approach           | 48                 | Insertion; revisi         |
| 10                    | 02WA0NZ              | Revision of Intracardiac Pacemaker in Heart, Open Approach | 48                 | Insertion; revisi         |
| 10                    | 02WA0QZ              | Revision of Implant Heart Assist in Heart, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA0RZ              | Revision of Ext Heart Assist in Heart, Open Approach       | 49                 | Other OR heart pr         |
| 10                    | 02WA32Z              | Revision of Monitoring Device in Heart, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02WA33Z              | Revision of Infusion Device in Heart, Percutaneous Approac | 49                 | Other OR heart pr         |
| 10                    | 02WA37Z              | Revision of Autol Sub in Heart, Perc Approach              | 49                 | Other OR heart pr         |
| 10                    | 02WA38Z              | Revision of Zooplastic Tissue in Heart, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 02WA3CZ              | Revision of Extraluminal Device in Heart, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02WA3DZ              | Revision of Intraluminal Device in Heart, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 02WA3JZ              | Revision of Synthetic Substitute in Heart, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA3KZ              | Revision of Nonaut Sub in Heart, Perc Approach             | 49                 | Other OR heart pr         |
| 10                    | 02WA3MZ              | Revision of Cardiac Lead in Heart, Percutaneous Approach   | 48                 | Insertion; revisi         |
| 10                    | 02WA3NZ              | Revision of Intracardiac Pacemaker in Heart, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 02WA3QZ              | Revision of Implant Heart Assist in Heart, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA3RZ              | Revision of Ext Heart Assist in Heart, Perc Approach       | 49                 | Other OR heart pr         |
| 10                    | 02WA42Z              | Revision of Monitoring Device in Heart, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02WA43Z              | Revision of Infusion Device in Heart, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WA47Z              | Revision of Autol Sub in Heart, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 02WA48Z              | Revision of Zooplastic Tissue in Heart, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 02WA4CZ              | Revision of Extraluminal Device in Heart, Perc Endo Approa | 49                 | Other OR heart pr         |
| 10                    | 02WA4DZ              | Revision of Intraluminal Device in Heart, Perc Endo Approa | 49                 | Other OR heart pr         |
| 10                    | 02WA4JZ              | Revision of Synth Sub in Heart, Perc Endo Approach         | 49                 | Other OR heart pr         |
| 10                    | 02WA4KZ              | Revision of Nonaut Sub in Heart, Perc Endo Approach        | 49                 | Other OR heart pr         |
| 10                    | 02WA4MZ              | Revision of Cardiac Lead in Heart, Perc Endo Approach      | 48                 | Insertion; revisi         |
| 10                    | 02WA4NZ              | Revision of Intracard Pacer in Heart, Perc Endo Approach   | 48                 | Insertion; revisi         |
| 10                    | 02WA4QZ              | Revise of Implant Heart Assist in Heart, Perc Endo Approac | 49                 | Other OR heart pr         |
| 10                    | 02WA4RZ              | Revision of Ext Heart Assist in Heart, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 02WF07Z              | Revision of Autol Sub in Aort Valve, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02WF08Z              | Revision of Zooplastic Tissue in Aortic Valve, Open Approa | 43                 | Heart valve proce         |
| 10                    | 02WF0JZ              | Revision of Synth Sub in Aort Valve, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02WF0KZ              | Revision of Nonaut Sub in Aort Valve, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02WF47Z              | Revision of Autol Sub in Aort Valve, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02WF48Z              | Revision of Zooplastic in Aort Valve, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02WF4JZ              | Revision of Synth Sub in Aort Valve, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02WF4KZ              | Revision of Nonaut Sub in Aort Valve, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02WG07Z              | Revision of Autol Sub in Mitral Valve, Open Approach       | 43                 | Heart valve proce         |
| 10                    | 02WG08Z              | Revision of Zooplastic Tissue in Mitral Valve, Open Approa | 43                 | Heart valve proce         |
| 10                    | 02WG0JZ              | Revision of Synth Sub in Mitral Valve, Open Approach       | 43                 | Heart valve proce         |
| 10                    | 02WG0KZ              | Revision of Nonaut Sub in Mitral Valve, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02WG47Z              | Revision of Autol Sub in Mitral Valve, Perc Endo Approach  | 43                 | Heart valve proce         |
| 10                    | 02WG48Z              | Revision of Zooplastic in Mitral Valve, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02WG4JZ              | Revision of Synth Sub in Mitral Valve, Perc Endo Approach  | 43                 | Heart valve proce         |
| 10                    | 02WG4KZ              | Revision of Nonaut Sub in Mitral Valve, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02WH07Z              | Revision of Autol Sub in Pulm Valve, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02WH08Z              | Revision of Zooplastic Tissue in Pulm Valve, Open Approach | 43                 | Heart valve proce         |
| 10                    | 02WH0JZ              | Revision of Synth Sub in Pulm Valve, Open Approach         | 43                 | Heart valve proce         |
| 10                    | 02WH0KZ              | Revision of Nonaut Sub in Pulm Valve, Open Approach        | 43                 | Heart valve proce         |
| 10                    | 02WH47Z              | Revision of Autol Sub in Pulm Valve, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02WH48Z              | Revision of Zooplastic in Pulm Valve, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02WH4JZ              | Revision of Synth Sub in Pulm Valve, Perc Endo Approach    | 43                 | Heart valve proce         |
| 10                    | 02WH4KZ              | Revision of Nonaut Sub in Pulm Valve, Perc Endo Approach   | 43                 | Heart valve proce         |
| 10                    | 02WJ07Z              | Revision of Autol Sub in Tricusp Valve, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02WJ08Z              | Revision of Zooplastic in Tricusp Valve, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02WJ0JZ              | Revision of Synth Sub in Tricusp Valve, Open Approach      | 43                 | Heart valve proce         |
| 10                    | 02WJ0KZ              | Revision of Nonaut Sub in Tricusp Valve, Open Approach     | 43                 | Heart valve proce         |
| 10                    | 02WJ47Z              | Revision of Autol Sub in Tricusp Valve, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02WJ48Z              | Revision of Zooplastic in Tricusp Valve, Perc Endo Approac | 43                 | Heart valve proce         |
| 10                    | 02WJ4JZ              | Revision of Synth Sub in Tricusp Valve, Perc Endo Approach | 43                 | Heart valve proce         |
| 10                    | 02WJ4KZ              | Revision of Nonaut Sub in Tricusp Valve, Perc Endo Approac | 43                 | Heart valve proce         |
| 10                    | 02WM0JZ              | Revision of Synth Sub in Ventricular Sept, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 02WM4JZ              | Revise of Synth Sub in Ventricular Sept, Perc Endo Approac | 49                 | Other OR heart pr         |











The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0317093              | Bypass R Brach Art to R Low Arm Art w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031709D              | Bypass R Brach Art to Up Arm Vein w Autol Vn, Open          | 55                 | Peripheral vascul         |
| 10                    | 031709F              | Bypass R Brach Art to Low Arm Vein w Autol Vn, Open         | 55                 | Peripheral vascul         |
| 10                    | 03170A0              | Bypass R Brach Art to R Up Arm Art w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 03170A3              | Bypass R Brach Art to R Low Arm Art w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 03170AD              | Bypass R Brach Art to Up Arm Vein w Autol Art, Open         | 55                 | Peripheral vascul         |
| 10                    | 03170AF              | Bypass R Brach Art to Low Arm Vein w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 03170J0              | Bypass R Brach Art to R Up Arm Art w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03170J3              | Bypass R Brach Art to R Low Arm Art w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03170JD              | Bypass R Brach Art to Up Arm Vein w Synth Sub, Open         | 55                 | Peripheral vascul         |
| 10                    | 03170JF              | Bypass R Brach Art to Low Arm Vein w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03170K0              | Bypass R Brach Art to R Up Arm Art w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03170K3              | Bypass R Brach Art to R Low Arm Art w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 03170KD              | Bypass R Brach Art to Up Arm Vein w Nonaut Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03170KF              | Bypass R Brach Art to Low Arm Vein w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03170Z0              | Bypass Right Brachial Artery to R Up Arm Art, Open Approac  | 55                 | Peripheral vascul         |
| 10                    | 03170Z3              | Bypass Right Brachial Artery to R Low Arm Art, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 03170ZD              | Bypass Right Brachial Artery to Up Arm Vein, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 03170ZF              | Bypass Right Brachial Artery to Low Arm Vein, Open Approach | 55                 | Peripheral vascul         |
| 10                    | 0318091              | Bypass L Brach Art to L Up Arm Art w Autol Vn, Open         | 55                 | Peripheral vascul         |
| 10                    | 0318094              | Bypass L Brach Art to L Low Arm Art w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031809D              | Bypass L Brach Art to Up Arm Vein w Autol Vn, Open          | 55                 | Peripheral vascul         |
| 10                    | 031809F              | Bypass L Brach Art to Low Arm Vein w Autol Vn, Open         | 55                 | Peripheral vascul         |
| 10                    | 03180A1              | Bypass L Brach Art to L Up Arm Art w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 03180A4              | Bypass L Brach Art to L Low Arm Art w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 03180AD              | Bypass L Brach Art to Up Arm Vein w Autol Art, Open         | 55                 | Peripheral vascul         |
| 10                    | 03180AF              | Bypass L Brach Art to Low Arm Vein w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 03180J1              | Bypass L Brach Art to L Up Arm Art w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03180J4              | Bypass L Brach Art to L Low Arm Art w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03180JD              | Bypass L Brach Art to Up Arm Vein w Synth Sub, Open         | 55                 | Peripheral vascul         |
| 10                    | 03180JF              | Bypass L Brach Art to Low Arm Vein w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03180K1              | Bypass L Brach Art to L Up Arm Art w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03180K4              | Bypass L Brach Art to L Low Arm Art w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 03180KD              | Bypass L Brach Art to Up Arm Vein w Nonaut Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03180KF              | Bypass L Brach Art to Low Arm Vein w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03180Z1              | Bypass Left Brachial Artery to L Up Arm Art, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 03180Z4              | Bypass Left Brachial Artery to L Low Arm Art, Open Approach | 55                 | Peripheral vascul         |
| 10                    | 03180ZD              | Bypass Left Brachial Artery to Upper Arm Vein, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 03180ZF              | Bypass Left Brachial Artery to Lower Arm Vein, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 0319093              | Bypass R Ulnar Art to R Low Arm Art w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031909F              | Bypass R Ulnar Art to Low Arm Vein w Autol Vn, Open         | 55                 | Peripheral vascul         |
| 10                    | 03190A3              | Bypass R Ulnar Art to R Low Arm Art w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 03190AF              | Bypass R Ulnar Art to Low Arm Vein w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 03190J3              | Bypass R Ulnar Art to R Low Arm Art w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03190JF              | Bypass R Ulnar Art to Low Arm Vein w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 03190K3              | Bypass R Ulnar Art to R Low Arm Art w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 03190KF              | Bypass R Ulnar Art to Low Arm Vein w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 03190Z3              | Bypass Right Ulnar Artery to R Low Arm Art, Open Approach   | 55                 | Peripheral vascul         |
| 10                    | 03190ZF              | Bypass Right Ulnar Artery to Lower Arm Vein, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 031A094              | Bypass L Ulnar Art to L Low Arm Art w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031A09F              | Bypass L Ulnar Art to Low Arm Vein w Autol Vn, Open         | 55                 | Peripheral vascul         |
| 10                    | 031A0A4              | Bypass L Ulnar Art to L Low Arm Art w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 031A0AF              | Bypass L Ulnar Art to Low Arm Vein w Autol Art, Open        | 55                 | Peripheral vascul         |
| 10                    | 031A0J4              | Bypass L Ulnar Art to L Low Arm Art w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 031A0JF              | Bypass L Ulnar Art to Low Arm Vein w Synth Sub, Open        | 55                 | Peripheral vascul         |
| 10                    | 031A0K4              | Bypass L Ulnar Art to L Low Arm Art w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 031A0KF              | Bypass L Ulnar Art to Low Arm Vein w Nonaut Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 031A0Z4              | Bypass Left Ulnar Artery to L Low Arm Art, Open Approach    | 55                 | Peripheral vascul         |
| 10                    | 031A0ZF              | Bypass Left Ulnar Artery to Lower Arm Vein, Open Approach   | 55                 | Peripheral vascul         |
| 10                    | 031B093              | Bypass R Radial Art to R Low Arm Art w Autol Vn, Open       | 55                 | Peripheral vascul         |
| 10                    | 031B09F              | Bypass R Radial Art to Low Arm Vein w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031B0A3              | Bypass R Radial Art to R Low Arm Art w Autol Art, Open      | 55                 | Peripheral vascul         |
| 10                    | 031B0AF              | Bypass R Radial Art to Low Arm Vein w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 031B0J3              | Bypass R Radial Art to R Low Arm Art w Synth Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 031B0JF              | Bypass R Radial Art to Low Arm Vein w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 031B0K3              | Bypass R Radial Art to R Low Arm Art w Nonaut Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 031B0KF              | Bypass R Radial Art to Low Arm Vein w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 031B0Z3              | Bypass Right Radial Artery to R Low Arm Art, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 031B0ZF              | Bypass Right Radial Artery to Lower Arm Vein, Open Approach | 55                 | Peripheral vascul         |
| 10                    | 031C094              | Bypass L Radial Art to L Low Arm Art w Autol Vn, Open       | 55                 | Peripheral vascul         |
| 10                    | 031C09F              | Bypass L Radial Art to Low Arm Vein w Autol Vn, Open        | 55                 | Peripheral vascul         |
| 10                    | 031C0A4              | Bypass L Radial Art to L Low Arm Art w Autol Art, Open      | 55                 | Peripheral vascul         |
| 10                    | 031C0AF              | Bypass L Radial Art to Low Arm Vein w Autol Art, Open       | 55                 | Peripheral vascul         |
| 10                    | 031C0J4              | Bypass L Radial Art to L Low Arm Art w Synth Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 031C0JF              | Bypass L Radial Art to Low Arm Vein w Synth Sub, Open       | 55                 | Peripheral vascul         |
| 10                    | 031C0K4              | Bypass L Radial Art to L Low Arm Art w Nonaut Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 031C0KF              | Bypass L Radial Art to Low Arm Vein w Nonaut Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 031C0Z4              | Bypass Left Radial Artery to L Low Arm Art, Open Approach   | 55                 | Peripheral vascul         |
| 10                    | 031C0ZF              | Bypass Left Radial Artery to Lower Arm Vein, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 031G09G              | Bypass Intracran Art to Intracran Art w Autol Vn, Open      | 55                 | Peripheral vascul         |
| 10                    | 031G0A0              | Bypass Intracran Art to Intracran Art w Autol Art, Open     | 55                 | Peripheral vascul         |
| 10                    | 031G0J0              | Bypass Intracran Art to Intracran Art w Synth Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 031G0K0              | Bypass Intracran Art to Intracran Art w Nonaut Sub, Open    | 55                 | Peripheral vascul         |
| 10                    | 031G0Z0              | Bypass Intracranial Artery to Intracran Art, Open Approach  | 55                 | Peripheral vascul         |
| 10                    | 031H09G              | Bypass R Com Carotid to Intracran Art w Autol Vn, Open      | 55                 | Peripheral vascul         |
| 10                    | 031H09J              | Bypass R Com Carotid to R Extracran Art w Autol Vn, Open    | 55                 | Peripheral vascul         |
| 10                    | 031H0A0              | Bypass R Com Carotid to Intracran Art w Autol Art, Open     | 55                 | Peripheral vascul         |
| 10                    | 031H0AJ              | Bypass R Com Carotid to R Extracran Art w Autol Art, Open   | 55                 | Peripheral vascul         |
| 10                    | 031H0J0              | Bypass R Com Carotid to Intracran Art w Synth Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 031H0J1              | Bypass R Com Carotid to R Extracran Art w Synth Sub, Open   | 55                 | Peripheral vascul         |
| 10                    | 031H0K0              | Bypass R Com Carotid to Intracran Art w Nonaut Sub, Open    | 55                 | Peripheral vascul         |
| 10                    | 031H0K1              | Bypass R Com Carotid to R Extracran Art w Nonaut Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031H0Z0              | Bypass R Com Carotid to Intracran Art, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 031H0Z1              | Bypass R Com Carotid to R Extracran Art, Open Approach      | 55                 | Peripheral vascul         |
| 10                    | 031I09G              | Bypass L Com Carotid to Intracran Art w Autol Vn, Open      | 55                 | Peripheral vascul         |
| 10                    | 031I09K              | Bypass L Com Carotid to L Extracran Art w Autol Vn, Open    | 55                 | Peripheral vascul         |
| 10                    | 031I0A0              | Bypass L Com Carotid to Intracran Art w Autol Art, Open     | 55                 | Peripheral vascul         |
| 10                    | 031I0AK              | Bypass L Com Carotid to L Extracran Art w Autol Art, Open   | 55                 | Peripheral vascul         |
| 10                    | 031I0J0              | Bypass L Com Carotid to Intracran Art w Synth Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 031I0J1              | Bypass L Com Carotid to L Extracran Art w Synth Sub, Open   | 55                 | Peripheral vascul         |
| 10                    | 031I0K0              | Bypass L Com Carotid to Intracran Art w Nonaut Sub, Open    | 55                 | Peripheral vascul         |
| 10                    | 031I0K1              | Bypass L Com Carotid to L Extracran Art w Nonaut Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031I0Z0              | Bypass L Com Carotid to Intracran Art, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 031I0Z1              | Bypass L Com Carotid to L Extracran Art, Open Approach      | 55                 | Peripheral vascul         |
| 10                    | 031K09J              | Bypass R Int Carotid to R Extracran Art w Autol Vn, Open    | 55                 | Peripheral vascul         |
| 10                    | 031K0AJ              | Bypass R Int Carotid to R Extracran Art w Autol Art, Open   | 55                 | Peripheral vascul         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 031K0J               | Bypass R Int Carotid to R Extracran Art w Synth Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031K0KJ              | Bypass R Int Carotid to R Extracran Art w Nonaut Sub, Open | 55                 | Peripheral vascul         |
| 10                    | 031K0ZJ              | Bypass R Int Carotid to R Extracran Art, Open Approach     | 55                 | Peripheral vascul         |
| 10                    | 031L09K              | Bypass L Int Carotid to L Extracran Art w Autol Vn, Open   | 55                 | Peripheral vascul         |
| 10                    | 031L0AK              | Bypass L Int Carotid to L Extracran Art w Autol Art, Open  | 55                 | Peripheral vascul         |
| 10                    | 031L0JK              | Bypass L Int Carotid to L Extracran Art w Synth Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031L0KK              | Bypass L Int Carotid to L Extracran Art w Nonaut Sub, Open | 55                 | Peripheral vascul         |
| 10                    | 031L0ZK              | Bypass L Int Carotid to L Extracran Art, Open Approach     | 55                 | Peripheral vascul         |
| 10                    | 031M09J              | Bypass R Ext Carotid to R Extracran Art w Autol Vn, Open   | 55                 | Peripheral vascul         |
| 10                    | 031M0AJ              | Bypass R Ext Carotid to R Extracran Art w Autol Art, Open  | 55                 | Peripheral vascul         |
| 10                    | 031M0UJ              | Bypass R Ext Carotid to R Extracran Art w Synth Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031M0KJ              | Bypass R Ext Carotid to R Extracran Art w Nonaut Sub, Open | 55                 | Peripheral vascul         |
| 10                    | 031M0ZJ              | Bypass R Ext Carotid to R Extracran Art, Open Approach     | 55                 | Peripheral vascul         |
| 10                    | 031N09K              | Bypass L Ext Carotid to L Extracran Art w Autol Vn, Open   | 55                 | Peripheral vascul         |
| 10                    | 031N0AK              | Bypass L Ext Carotid to L Extracran Art w Autol Art, Open  | 55                 | Peripheral vascul         |
| 10                    | 031N0JK              | Bypass L Ext Carotid to L Extracran Art w Synth Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031N0KK              | Bypass L Ext Carotid to L Extracran Art w Nonaut Sub, Open | 55                 | Peripheral vascul         |
| 10                    | 031N0ZK              | Bypass L Ext Carotid to L Extracran Art, Open Approach     | 55                 | Peripheral vascul         |
| 10                    | 031S09G              | Bypass R Temporal Art to Intracran Art w Autol Vn, Open    | 55                 | Peripheral vascul         |
| 10                    | 031S0AG              | Bypass R Temporal Art to Intracran Art w Autol Art, Open   | 55                 | Peripheral vascul         |
| 10                    | 031S0IG              | Bypass R Temporal Art to Intracran Art w Synth Sub, Open   | 55                 | Peripheral vascul         |
| 10                    | 031S0KG              | Bypass R Temporal Art to Intracran Art w Nonaut Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031S0ZG              | Bypass Right Temporal Artery to Intracran Art, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 031T09G              | Bypass L Temporal Art to Intracran Art w Autol Vn, Open    | 55                 | Peripheral vascul         |
| 10                    | 031T0AG              | Bypass L Temporal Art to Intracran Art w Autol Art, Open   | 55                 | Peripheral vascul         |
| 10                    | 031T0IG              | Bypass L Temporal Art to Intracran Art w Synth Sub, Open   | 55                 | Peripheral vascul         |
| 10                    | 031T0KG              | Bypass L Temporal Art to Intracran Art w Nonaut Sub, Open  | 55                 | Peripheral vascul         |
| 10                    | 031T0ZG              | Bypass Left Temporal Artery to Intracran Art, Open Approac | 55                 | Peripheral vascul         |
| 10                    | 035G0ZZ              | Destruction of Intracranial Artery, Open Approach          | 59                 | Other OR procedur         |
| 10                    | 035G3ZZ              | Destruction of Intracranial Artery, Percutaneous Approach  | 59                 | Other OR procedur         |
| 10                    | 035G4ZZ              | Destruction of Intracranial Artery, Perc Endo Approach     | 59                 | Other OR procedur         |
| 10                    | 035H0ZZ              | Destruction of Right Common Carotid Artery, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 035H3ZZ              | Destruction of Right Common Carotid Artery, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 035H4ZZ              | Destruction of R Com Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035J0ZZ              | Destruction of Left Common Carotid Artery, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 035J3ZZ              | Destruction of Left Common Carotid Artery, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 035J4ZZ              | Destruction of L Com Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035K0ZZ              | Destruction of Right Internal Carotid Artery, Open Approac | 59                 | Other OR procedur         |
| 10                    | 035K3ZZ              | Destruction of Right Internal Carotid Artery, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 035K4ZZ              | Destruction of R Int Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035L0ZZ              | Destruction of Left Internal Carotid Artery, Open Approach | 59                 | Other OR procedur         |
| 10                    | 035L3ZZ              | Destruction of Left Internal Carotid Artery, Perc Approach | 59                 | Other OR procedur         |
| 10                    | 035L4ZZ              | Destruction of L Int Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035M0ZZ              | Destruction of Right External Carotid Artery, Open Approac | 59                 | Other OR procedur         |
| 10                    | 035M3ZZ              | Destruction of Right External Carotid Artery, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 035M4ZZ              | Destruction of R Ext Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035N0ZZ              | Destruction of Left External Carotid Artery, Open Approach | 59                 | Other OR procedur         |
| 10                    | 035N3ZZ              | Destruction of Left External Carotid Artery, Perc Approach | 59                 | Other OR procedur         |
| 10                    | 035N4ZZ              | Destruction of L Ext Carotid, Perc Endo Approach           | 59                 | Other OR procedur         |
| 10                    | 035P0ZZ              | Destruction of Right Vertebral Artery, Open Approach       | 59                 | Other OR procedur         |
| 10                    | 035P3ZZ              | Destruction of Right Vertebral Artery, Percutaneous Approa | 59                 | Other OR procedur         |
| 10                    | 035P4ZZ              | Destruction of Right Vertebral Artery, Perc Endo Approach  | 59                 | Other OR procedur         |
| 10                    | 035Q0ZZ              | Destruction of Left Vertebral Artery, Open Approach        | 59                 | Other OR procedur         |
| 10                    | 035Q3ZZ              | Destruction of Left Vertebral Artery, Percutaneous Approac | 59                 | Other OR procedur         |
| 10                    | 035Q4ZZ              | Destruction of Left Vertebral Artery, Perc Endo Approach   | 59                 | Other OR procedur         |
| 10                    | 035R0ZZ              | Destruction of Face Artery, Open Approach                  | 59                 | Other OR procedur         |
| 10                    | 035R3ZZ              | Destruction of Face Artery, Percutaneous Approach          | 59                 | Other OR procedur         |
| 10                    | 035R4ZZ              | Destruction of Face Artery, Percutaneous Endoscopic Approa | 59                 | Other OR procedur         |
| 10                    | 035S0ZZ              | Destruction of Right Temporal Artery, Open Approach        | 59                 | Other OR procedur         |
| 10                    | 035S3ZZ              | Destruction of Right Temporal Artery, Percutaneous Approac | 59                 | Other OR procedur         |
| 10                    | 035S4ZZ              | Destruction of Right Temporal Artery, Perc Endo Approach   | 59                 | Other OR procedur         |
| 10                    | 035T0ZZ              | Destruction of Left Temporal Artery, Open Approach         | 59                 | Other OR procedur         |
| 10                    | 035T3ZZ              | Destruction of Left Temporal Artery, Percutaneous Approach | 59                 | Other OR procedur         |
| 10                    | 035T4ZZ              | Destruction of Left Temporal Artery, Perc Endo Approach    | 59                 | Other OR procedur         |
| 10                    | 035U0ZZ              | Destruction of Right Thyroid Artery, Open Approach         | 59                 | Other OR procedur         |
| 10                    | 035U3ZZ              | Destruction of Right Thyroid Artery, Percutaneous Approach | 59                 | Other OR procedur         |
| 10                    | 035U4ZZ              | Destruction of Right Thyroid Artery, Perc Endo Approach    | 59                 | Other OR procedur         |
| 10                    | 035V0ZZ              | Destruction of Left Thyroid Artery, Open Approach          | 59                 | Other OR procedur         |
| 10                    | 035V3ZZ              | Destruction of Left Thyroid Artery, Percutaneous Approach  | 59                 | Other OR procedur         |
| 10                    | 035V4ZZ              | Destruction of Left Thyroid Artery, Perc Endo Approach     | 59                 | Other OR procedur         |
| 10                    | 037G046              | Dilate Intracran Art, Bifurc, w Drug-elut Intra, Open      | 59                 | Other OR procedur         |
| 10                    | 037G04Z              | Dilate of Intracran Art with Drug-elut Intra, Open Approac | 59                 | Other OR procedur         |
| 10                    | 037G056              | Dilate Intracran Art, Bifurc, w 2 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037G05Z              | Dilation of Intracran Art with 2 Drug-elut, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 037G066              | Dilate Intracran Art, Bifurc, w 3 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037G06Z              | Dilation of Intracran Art with 3 Drug-elut, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 037G076              | Dilate Intracran Art, Bifurc, w 4 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037G07Z              | Dilation of Intracran Art with 4 Drug-elut, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 037G0D6              | Dilate Intracran Art, Bifurc, w Intralum Dev, Open         | 59                 | Other OR procedur         |
| 10                    | 037G0DZ              | Dilation of Intracran Art with Intralum Dev, Open Approach | 59                 | Other OR procedur         |
| 10                    | 037G0E6              | Dilate Intracran Art, Bifurc, w 2 Intralum Dev, Open       | 59                 | Other OR procedur         |
| 10                    | 037G0EZ              | Dilation of Intracran Art with 2 Intralum Dev, Open Approa | 59                 | Other OR procedur         |
| 10                    | 037G0F6              | Dilate Intracran Art, Bifurc, w 3 Intralum Dev, Open       | 59                 | Other OR procedur         |
| 10                    | 037G0FZ              | Dilation of Intracran Art with 3 Intralum Dev, Open Approa | 59                 | Other OR procedur         |
| 10                    | 037G0G6              | Dilate Intracran Art, Bifurc, w 4+ Intralum Dev, Open      | 59                 | Other OR procedur         |
| 10                    | 037G0GZ              | Dilate of Intracran Art with 4+ Intralum Dev, Open Approac | 59                 | Other OR procedur         |
| 10                    | 037G0Z6              | Dilation of Intracranial Artery, Bifurcation, Open Approac | 59                 | Other OR procedur         |
| 10                    | 037G0ZZ              | Dilation of Intracranial Artery, Open Approach             | 59                 | Other OR procedur         |
| 10                    | 037G346              | Dilate Intracran Art, Bifurc, w Drug-elut Intra, Perc      | 59                 | Other OR procedur         |
| 10                    | 037G34Z              | Dilate of Intracran Art with Drug-elut Intra, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 037G356              | Dilate Intracran Art, Bifurc, w 2 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037G35Z              | Dilation of Intracran Art with 2 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037G366              | Dilate Intracran Art, Bifurc, w 3 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037G36Z              | Dilation of Intracran Art with 3 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037G376              | Dilate Intracran Art, Bifurc, w 4 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037G37Z              | Dilation of Intracran Art with 4 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037G3D6              | Dilate Intracran Art, Bifurc, w Intralum Dev, Perc         | 59                 | Other OR procedur         |
| 10                    | 037G3DZ              | Dilation of Intracran Art with Intralum Dev, Perc Approach | 59                 | Other OR procedur         |
| 10                    | 037G3E6              | Dilate Intracran Art, Bifurc, w 2 Intralum Dev, Perc       | 59                 | Other OR procedur         |
| 10                    | 037G3EZ              | Dilation of Intracran Art with 2 Intralum Dev, Perc Approa | 59                 | Other OR procedur         |
| 10                    | 037G3F6              | Dilate Intracran Art, Bifurc, w 3 Intralum Dev, Perc       | 59                 | Other OR procedur         |
| 10                    | 037G3FZ              | Dilation of Intracran Art with 3 Intralum Dev, Perc Approa | 59                 | Other OR procedur         |
| 10                    | 037G3G6              | Dilate Intracran Art, Bifurc, w 4+ Intralum Dev, Perc      | 59                 | Other OR procedur         |
| 10                    | 037G3GZ              | Dilate of Intracran Art with 4+ Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 037G3Z6              | Dilation of Intracranial Artery, Bifurcation, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 037G3ZZ              | Dilation of Intracranial Artery, Percutaneous Approach     | 59                 | Other OR procedur         |











The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 037Q3E6              | Dilate L Vertebr Art, Bifurc, w 2 Intralum Dev, Perc        | 59                 | Other OR procedur         |
| 10                    | 037Q3EZ              | Dilation of L Vertebr Art with 2 Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 037Q3F6              | Dilate L Vertebr Art, Bifurc, w 3 Intralum Dev, Perc        | 59                 | Other OR procedur         |
| 10                    | 037Q3FZ              | Dilation of L Vertebr Art with 3 Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 037Q3G6              | Dilate L Vertebr Art, Bifurc, w 4+ Intralum Dev, Perc       | 59                 | Other OR procedur         |
| 10                    | 037Q3GZ              | Dilation of L Vertebr Art with 4+ Intralum Dev, Perc Approa | 59                 | Other OR procedur         |
| 10                    | 037Q3Z6              | Dilation of Left Vertebral Artery, Bifurc, Perc Approach    | 59                 | Other OR procedur         |
| 10                    | 037Q3ZZ              | Dilation of Left Vertebral Artery, Percutaneous Approach    | 59                 | Other OR procedur         |
| 10                    | 037Q446              | Dilate L Vertebr Art, Bifurc, w Drug-elut Intra, Perc Endo  | 59                 | Other OR procedur         |
| 10                    | 037Q44Z              | Dilate L Vertebr Art w Drug-elut Intra, Perc Endo           | 59                 | Other OR procedur         |
| 10                    | 037Q456              | Dilate L Vertebr Art, Bifurc, w 2 Drug-elut, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 037Q45Z              | Dilate of L Vertebr Art with 2 Drug-elut, Perc Endo Approac | 59                 | Other OR procedur         |
| 10                    | 037Q466              | Dilate L Vertebr Art, Bifurc, w 3 Drug-elut, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 037Q46Z              | Dilate of L Vertebr Art with 3 Drug-elut, Perc Endo Approac | 59                 | Other OR procedur         |
| 10                    | 037Q476              | Dilate L Vertebr Art, Bifurc, w 4 Drug-elut, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 037Q47Z              | Dilate of L Vertebr Art with 4 Drug-elut, Perc Endo Approac | 59                 | Other OR procedur         |
| 10                    | 037Q4D6              | Dilate L Vertebr Art, Bifurc, w Intralum Dev, Perc Endo     | 59                 | Other OR procedur         |
| 10                    | 037Q4DZ              | Dilate of L Vertebr Art with Intralum Dev, Perc Endo Approa | 59                 | Other OR procedur         |
| 10                    | 037Q4E6              | Dilate L Vertebr Art, Bifurc, w 2 Intralum Dev, Perc Endo   | 59                 | Other OR procedur         |
| 10                    | 037Q4EZ              | Dilate L Vertebr Art w 2 Intralum Dev, Perc Endo            | 59                 | Other OR procedur         |
| 10                    | 037Q4F6              | Dilate L Vertebr Art, Bifurc, w 3 Intralum Dev, Perc Endo   | 59                 | Other OR procedur         |
| 10                    | 037Q4FZ              | Dilate L Vertebr Art w 3 Intralum Dev, Perc Endo            | 59                 | Other OR procedur         |
| 10                    | 037Q4G6              | Dilate L Vertebr Art, Bifurc, w 4+ Intralum Dev, Perc Endo  | 59                 | Other OR procedur         |
| 10                    | 037Q4GZ              | Dilate L Vertebr Art w 4+ Intralum Dev, Perc Endo           | 59                 | Other OR procedur         |
| 10                    | 037Q4Z6              | Dilation of L Vertebr Art, Bifurc, Perc Endo Approach       | 59                 | Other OR procedur         |
| 10                    | 037Q4ZZ              | Dilation of Left Vertebral Artery, Perc Endo Approach       | 59                 | Other OR procedur         |
| 10                    | 037R046              | Dilate Face Art, Bifurc, w Drug-elut Intra, Open            | 59                 | Other OR procedur         |
| 10                    | 037R04Z              | Dilation of Face Artery with Drug-elut Intra, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037R056              | Dilate of Face Art, Bifurc, with 2 Drug-elut, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037R05Z              | Dilation of Face Artery with 2 Drug-elut, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 037R066              | Dilate of Face Art, Bifurc, with 3 Drug-elut, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037R06Z              | Dilation of Face Artery with 3 Drug-elut, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 037R076              | Dilate of Face Art, Bifurc, with 4 Drug-elut, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037R07Z              | Dilation of Face Artery with 4 Drug-elut, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 037R0D6              | Dilate of Face Art, Bifurc, with Intralum Dev, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 037R0DZ              | Dilation of Face Artery with Intralum Dev, Open Approach    | 59                 | Other OR procedur         |
| 10                    | 037R0E6              | Dilate Face Art, Bifurc, w 2 Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 037R0EZ              | Dilation of Face Artery with 2 Intralum Dev, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 037R0F6              | Dilate Face Art, Bifurc, w 3 Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 037R0FZ              | Dilation of Face Artery with 3 Intralum Dev, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 037R0G6              | Dilate Face Art, Bifurc, w 4+ Intralum Dev, Open            | 59                 | Other OR procedur         |
| 10                    | 037R0GZ              | Dilation of Face Artery with 4+ Intralum Dev, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037R0Z6              | Dilation of Face Artery, Bifurcation, Open Approach         | 59                 | Other OR procedur         |
| 10                    | 037R0ZZ              | Dilation of Face Artery, Open Approach                      | 59                 | Other OR procedur         |
| 10                    | 037R346              | Dilate Face Art, Bifurc, w Drug-elut Intra, Perc            | 59                 | Other OR procedur         |
| 10                    | 037R34Z              | Dilation of Face Artery with Drug-elut Intra, Perc Approac  | 59                 | Other OR procedur         |
| 10                    | 037R356              | Dilate of Face Art, Bifurc, with 2 Drug-elut, Perc Approac  | 59                 | Other OR procedur         |
| 10                    | 037R35Z              | Dilation of Face Artery with 2 Drug-elut, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 037R366              | Dilate of Face Art, Bifurc, with 3 Drug-elut, Perc Approac  | 59                 | Other OR procedur         |
| 10                    | 037R36Z              | Dilation of Face Artery with 3 Drug-elut, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 037R376              | Dilate of Face Art, Bifurc, with 4 Drug-elut, Perc Approac  | 59                 | Other OR procedur         |
| 10                    | 037R37Z              | Dilation of Face Artery with 4 Drug-elut, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 037R3D6              | Dilate of Face Art, Bifurc, with Intralum Dev, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 037R3DZ              | Dilation of Face Artery with Intralum Dev, Perc Approach    | 59                 | Other OR procedur         |
| 10                    | 037R3E6              | Dilate Face Art, Bifurc, w 2 Intralum Dev, Perc             | 59                 | Other OR procedur         |
| 10                    | 037R3EZ              | Dilation of Face Artery with 2 Intralum Dev, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037R3F6              | Dilate Face Art, Bifurc, w 3 Intralum Dev, Perc             | 59                 | Other OR procedur         |
| 10                    | 037R3FZ              | Dilation of Face Artery with 3 Intralum Dev, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037R3G6              | Dilate Face Art, Bifurc, w 4+ Intralum Dev, Perc            | 59                 | Other OR procedur         |
| 10                    | 037R3GZ              | Dilation of Face Artery with 4+ Intralum Dev, Perc Approac  | 59                 | Other OR procedur         |
| 10                    | 037R3Z6              | Dilation of Face Artery, Bifurcation, Percutaneous Approac  | 59                 | Other OR procedur         |
| 10                    | 037R3ZZ              | Dilation of Face Artery, Percutaneous Approach              | 59                 | Other OR procedur         |
| 10                    | 037R446              | Dilate Face Art, Bifurc, w Drug-elut Intra, Perc Endo       | 59                 | Other OR procedur         |
| 10                    | 037R44Z              | Dilate of Face Art with Drug-elut Intra, Perc Endo Approac  | 59                 | Other OR procedur         |
| 10                    | 037R456              | Dilate Face Art, Bifurc, w 2 Drug-elut, Perc Endo           | 59                 | Other OR procedur         |
| 10                    | 037R45Z              | Dilation of Face Artery with 2 Drug-elut, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 037R466              | Dilate Face Art, Bifurc, w 3 Drug-elut, Perc Endo           | 59                 | Other OR procedur         |
| 10                    | 037R46Z              | Dilation of Face Artery with 3 Drug-elut, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 037R476              | Dilate Face Art, Bifurc, w 4 Drug-elut, Perc Endo           | 59                 | Other OR procedur         |
| 10                    | 037R47Z              | Dilation of Face Artery with 4 Drug-elut, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 037R4D6              | Dilate Face Art, Bifurc, w Intralum Dev, Perc Endo          | 59                 | Other OR procedur         |
| 10                    | 037R4DZ              | Dilation of Face Art with Intralum Dev, Perc Endo Approach  | 59                 | Other OR procedur         |
| 10                    | 037R4E6              | Dilate Face Art, Bifurc, w 2 Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 037R4EZ              | Dilation of Face Art with 2 Intralum Dev, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 037R4F6              | Dilate Face Art, Bifurc, w 3 Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 037R4FZ              | Dilation of Face Art with 3 Intralum Dev, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 037R4G6              | Dilate Face Art, Bifurc, w 4+ Intralum Dev, Perc Endo       | 59                 | Other OR procedur         |
| 10                    | 037R4GZ              | Dilate of Face Art with 4+ Intralum Dev, Perc Endo Approac  | 59                 | Other OR procedur         |
| 10                    | 037R4Z6              | Dilation of Face Artery, Bifurcation, Perc Endo Approach    | 59                 | Other OR procedur         |
| 10                    | 037R4ZZ              | Dilation of Face Artery, Percutaneous Endoscopic Approac    | 59                 | Other OR procedur         |
| 10                    | 037S046              | Dilate R Temporal Art, Bifurc, w Drug-elut Intra, Open      | 59                 | Other OR procedur         |
| 10                    | 037S04Z              | Dilate of R Temporal Art with Drug-elut Intra, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 037S056              | Dilate R Temporal Art, Bifurc, w 2 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037S05Z              | Dilation of R Temporal Art with 2 Drug-elut, Open Approac   | 59                 | Other OR procedur         |
| 10                    | 037S066              | Dilate R Temporal Art, Bifurc, w 3 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037S06Z              | Dilation of R Temporal Art with 3 Drug-elut, Open Approac   | 59                 | Other OR procedur         |
| 10                    | 037S076              | Dilate R Temporal Art, Bifurc, w 4 Drug-elut, Open          | 59                 | Other OR procedur         |
| 10                    | 037S07Z              | Dilation of R Temporal Art with 4 Drug-elut, Open Approac   | 59                 | Other OR procedur         |
| 10                    | 037S0D6              | Dilate R Temporal Art, Bifurc, w Intralum Dev, Open         | 59                 | Other OR procedur         |
| 10                    | 037S0DZ              | Dilation of R Temporal Art with Intralum Dev, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037S0E6              | Dilate R Temporal Art, Bifurc, w 2 Intralum Dev, Open       | 59                 | Other OR procedur         |
| 10                    | 037S0EZ              | Dilate of R Temporal Art with 2 Intralum Dev, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037S0F6              | Dilate R Temporal Art, Bifurc, w 3 Intralum Dev, Open       | 59                 | Other OR procedur         |
| 10                    | 037S0FZ              | Dilate of R Temporal Art with 3 Intralum Dev, Open Approac  | 59                 | Other OR procedur         |
| 10                    | 037S0G6              | Dilate R Temporal Art, Bifurc, w 4+ Intralum Dev, Open      | 59                 | Other OR procedur         |
| 10                    | 037S0GZ              | Dilate of R Temporal Art with 4+ Intralum Dev, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 037S0Z6              | Dilation of Right Temporal Artery, Bifurc, Open Approach    | 59                 | Other OR procedur         |
| 10                    | 037S0ZZ              | Dilation of Right Temporal Artery, Open Approach            | 59                 | Other OR procedur         |
| 10                    | 037S346              | Dilate R Temporal Art, Bifurc, w Drug-elut Intra, Perc      | 59                 | Other OR procedur         |
| 10                    | 037S34Z              | Dilate of R Temporal Art with Drug-elut Intra, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 037S356              | Dilate R Temporal Art, Bifurc, w 2 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037S35Z              | Dilation of R Temporal Art with 2 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037S366              | Dilate R Temporal Art, Bifurc, w 3 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037S36Z              | Dilation of R Temporal Art with 3 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 037S376              | Dilate R Temporal Art, Bifurc, w 4 Drug-elut, Perc          | 59                 | Other OR procedur         |
| 10                    | 037S37Z              | Dilation of R Temporal Art with 4 Drug-elut, Perc Approach  | 59                 | Other OR procedur         |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 03973ZX              | Drainage of Right Brachial Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 03974ZX              | Drainage of Right Brachial Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 03980ZX              | Drainage of Left Brachial Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 03983ZX              | Drainage of Left Brachial Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03984ZX              | Drainage of Left Brachial Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 03990ZX              | Drainage of Right Ulnar Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 03993ZX              | Drainage of Right Ulnar Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 03994ZX              | Drainage of Right Ulnar Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 039A0ZX              | Drainage of Left Ulnar Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 039A3ZX              | Drainage of Left Ulnar Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 039A4ZX              | Drainage of Left Ulnar Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 039B0ZX              | Drainage of Right Radial Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 039B3ZX              | Drainage of Right Radial Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 039B4ZX              | Drainage of Right Radial Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 039C0ZX              | Drainage of Left Radial Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 039C3ZX              | Drainage of Left Radial Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 039C4ZX              | Drainage of Left Radial Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 039D0ZX              | Drainage of Right Hand Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 039D3ZX              | Drainage of Right Hand Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 039D4ZX              | Drainage of Right Hand Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 039F0ZX              | Drainage of Left Hand Artery, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 039F3ZX              | Drainage of Left Hand Artery, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 039F4ZX              | Drainage of Left Hand Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 039G0ZX              | Drainage of Intracranial Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 039G3ZX              | Drainage of Intracranial Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 039G4ZX              | Drainage of Intracranial Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 039H0ZX              | Drainage of R Com Carotid, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039H3ZX              | Drainage of R Com Carotid, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039H4ZX              | Drainage of R Com Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039J0ZX              | Drainage of Left Common Carotid Artery, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 039J3ZX              | Drainage of Left Common Carotid Artery, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 039J4ZX              | Drainage of L Com Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039K0ZX              | Drainage of R Int Carotid, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039K3ZX              | Drainage of R Int Carotid, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039K4ZX              | Drainage of R Int Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039L0ZX              | Drainage of L Int Carotid, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039L3ZX              | Drainage of L Int Carotid, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039L4ZX              | Drainage of L Int Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039M0ZX              | Drainage of R Ext Carotid, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039M3ZX              | Drainage of R Ext Carotid, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039M4ZX              | Drainage of R Ext Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039N0ZX              | Drainage of L Ext Carotid, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039N3ZX              | Drainage of L Ext Carotid, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 039N4ZX              | Drainage of L Ext Carotid, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 039P0ZX              | Drainage of Right Vertebral Artery, Open Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 039P3ZX              | Drainage of Right Vertebral Artery, Perc Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 039P4ZX              | Drainage of R Verteb Art, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 039Q0ZX              | Drainage of Left Vertebral Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 039Q3ZX              | Drainage of Left Vertebral Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 039Q4ZX              | Drainage of Left Vertebral Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 039R0ZX              | Drainage of Face Artery, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 039R3ZX              | Drainage of Face Artery, Percutaneous Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 039R4ZX              | Drainage of Face Artery, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 039S0ZX              | Drainage of Right Temporal Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 039S3ZX              | Drainage of Right Temporal Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 039S4ZX              | Drainage of Right Temporal Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 039T0ZX              | Drainage of Left Temporal Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 039T3ZX              | Drainage of Left Temporal Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 039T4ZX              | Drainage of Left Temporal Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 039U0ZX              | Drainage of Right Thyroid Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 039U3ZX              | Drainage of Right Thyroid Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 039U4ZX              | Drainage of Right Thyroid Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 039V0ZX              | Drainage of Left Thyroid Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 039V3ZX              | Drainage of Left Thyroid Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 039V4ZX              | Drainage of Left Thyroid Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 039V0ZX              | Drainage of Upper Artery, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 039Y3ZX              | Drainage of Upper Artery, Percutaneous Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 039Y4ZX              | Drainage of Upper Artery, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 03800ZX              | Excision of R Int Mamm Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 03803ZX              | Excision of R Int Mamm Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 03804ZX              | Excision of R Int Mamm Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 03810ZX              | Excision of L Int Mamm Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 03813ZX              | Excision of L Int Mamm Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 03814ZX              | Excision of L Int Mamm Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 03820ZX              | Excision of Innominate Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 03823ZX              | Excision of Innominate Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 03824ZX              | Excision of Innominate Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03830ZX              | Excision of Right Subclavian Artery, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 03833ZX              | Excision of Right Subclavian Artery, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 03834ZX              | Excision of R Subclav Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 03840ZX              | Excision of Left Subclavian Artery, Open Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03843ZX              | Excision of Left Subclavian Artery, Perc Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03844ZX              | Excision of L Subclav Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 03850ZX              | Excision of Right Axillary Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 03853ZX              | Excision of Right Axillary Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 03854ZX              | Excision of Right Axillary Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 03860ZX              | Excision of Left Axillary Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 03863ZX              | Excision of Left Axillary Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03864ZX              | Excision of Left Axillary Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 03870ZX              | Excision of Right Brachial Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 03873ZX              | Excision of Right Brachial Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 03874ZX              | Excision of Right Brachial Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 03880ZX              | Excision of Left Brachial Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 03883ZX              | Excision of Left Brachial Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03884ZX              | Excision of Left Brachial Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 03890ZX              | Excision of Right Ulnar Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 03893ZX              | Excision of Right Ulnar Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 03894ZX              | Excision of Right Ulnar Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 038A0ZX              | Excision of Left Ulnar Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 038A3ZX              | Excision of Left Ulnar Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 038A4ZX              | Excision of Left Ulnar Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 038B0ZX              | Excision of Right Radial Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 038B3ZX              | Excision of Right Radial Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 038B4ZX              | Excision of Right Radial Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 038C0ZX              | Excision of Left Radial Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 038C3ZX              | Excision of Left Radial Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 03BC4ZX              | Excision of Left Radial Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 03BD02X              | Excision of Right Hand Artery, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 03BD3ZX              | Excision of Right Hand Artery, Percutaneous Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 03BD4ZX              | Excision of Right Hand Artery, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03BF0ZX              | Excision of Left Hand Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 03BF3ZX              | Excision of Left Hand Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03BF4ZX              | Excision of Left Hand Artery, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 03BG0ZX              | Excision of Intracranial Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 03BG0ZZ              | Excision of Intracranial Artery, Open Approach               | 59                 | Other OR procedure        |
| 10                    | 03BG3ZX              | Excision of Intracranial Artery, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 03BG3ZZ              | Excision of Intracranial Artery, Percutaneous Approach       | 59                 | Other OR procedure        |
| 10                    | 03BG4ZX              | Excision of Intracranial Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03BG4ZZ              | Excision of Intracranial Artery, Perc Endo Approach          | 59                 | Other OR procedure        |
| 10                    | 03BH0ZX              | Excision of R Com Carotid, Open Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BH0ZZ              | Excision of Right Common Carotid Artery, Open Approach       | 59                 | Other OR procedure        |
| 10                    | 03BH3ZX              | Excision of R Com Carotid, Perc Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BH3ZZ              | Excision of Right Common Carotid Artery, Perc Approach       | 59                 | Other OR procedure        |
| 10                    | 03BH4ZX              | Excision of R Com Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BH4ZZ              | Excision of Right Common Carotid Artery, Perc Endo Approac   | 59                 | Other OR procedure        |
| 10                    | 03BI0ZX              | Excision of Left Common Carotid Artery, Open Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 03BI0ZZ              | Excision of Left Common Carotid Artery, Open Approach        | 59                 | Other OR procedure        |
| 10                    | 03BI3ZX              | Excision of Left Common Carotid Artery, Perc Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 03BI3ZZ              | Excision of Left Common Carotid Artery, Perc Approach        | 59                 | Other OR procedure        |
| 10                    | 03BI4ZX              | Excision of L Com Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BI4ZZ              | Excision of Left Common Carotid Artery, Perc Endo Approach   | 59                 | Other OR procedure        |
| 10                    | 03BK0ZX              | Excision of R Int Carotid, Open Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BK0ZZ              | Excision of Right Internal Carotid Artery, Open Approach     | 59                 | Other OR procedure        |
| 10                    | 03BK3ZX              | Excision of R Int Carotid, Perc Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BK3ZZ              | Excision of Right Internal Carotid Artery, Perc Approach     | 59                 | Other OR procedure        |
| 10                    | 03BK4ZX              | Excision of R Int Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BK4ZZ              | Excision of R Int Carotid, Perc Endo Approach                | 59                 | Other OR procedure        |
| 10                    | 03BL0ZX              | Excision of L Int Carotid, Open Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BL0ZZ              | Excision of Left Internal Carotid Artery, Open Approach      | 59                 | Other OR procedure        |
| 10                    | 03BL3ZX              | Excision of L Int Carotid, Perc Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BL3ZZ              | Excision of Left Internal Carotid Artery, Perc Approach      | 59                 | Other OR procedure        |
| 10                    | 03BL4ZX              | Excision of L Int Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BL4ZZ              | Excision of Left Internal Carotid Artery, Perc Endo Approa   | 59                 | Other OR procedure        |
| 10                    | 03BM0ZX              | Excision of R Ext Carotid, Open Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BM0ZZ              | Excision of Right External Carotid Artery, Open Approach     | 59                 | Other OR procedure        |
| 10                    | 03BM3ZX              | Excision of R Ext Carotid, Perc Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BM3ZZ              | Excision of Right External Carotid Artery, Perc Approach     | 59                 | Other OR procedure        |
| 10                    | 03BM4ZX              | Excision of R Ext Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BM4ZZ              | Excision of R Ext Carotid, Perc Endo Approach                | 59                 | Other OR procedure        |
| 10                    | 03BN0ZX              | Excision of L Ext Carotid, Open Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BN0ZZ              | Excision of Left External Carotid Artery, Open Approach      | 59                 | Other OR procedure        |
| 10                    | 03BN3ZX              | Excision of L Ext Carotid, Perc Approach, Diagn              | 62                 | Other diagnostic          |
| 10                    | 03BN3ZZ              | Excision of Left External Carotid Artery, Perc Approach      | 59                 | Other OR procedure        |
| 10                    | 03BN4ZX              | Excision of L Ext Carotid, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 03BN4ZZ              | Excision of Left External Carotid Artery, Perc Endo Approa   | 59                 | Other OR procedure        |
| 10                    | 03BP0ZX              | Excision of Right Vertebral Artery, Open Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03BP0ZZ              | Excision of Right Vertebral Artery, Open Approach            | 59                 | Other OR procedure        |
| 10                    | 03BP3ZX              | Excision of Right Vertebral Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 03BP3ZZ              | Excision of Right Vertebral Artery, Percutaneous Approach    | 59                 | Other OR procedure        |
| 10                    | 03BP4ZX              | Excision of R Verteb Art, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 03BP4ZZ              | Excision of Right Vertebral Artery, Perc Endo Approach       | 59                 | Other OR procedure        |
| 10                    | 03BQ0ZX              | Excision of Left Vertebral Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 03BQ0ZZ              | Excision of Left Vertebral Artery, Open Approach             | 59                 | Other OR procedure        |
| 10                    | 03BQ3ZX              | Excision of Left Vertebral Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 03BQ3ZZ              | Excision of Left Vertebral Artery, Percutaneous Approach     | 59                 | Other OR procedure        |
| 10                    | 03BQ4ZX              | Excision of Left Vertebral Artery, Perc Endo Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 03BQ4ZZ              | Excision of Left Vertebral Artery, Perc Endo Approach        | 59                 | Other OR procedure        |
| 10                    | 03BR0ZX              | Excision of Face Artery, Open Approach, Diagnostic           | 62                 | Other diagnostic          |
| 10                    | 03BR0ZZ              | Excision of Face Artery, Open Approach                       | 59                 | Other OR procedure        |
| 10                    | 03BR3ZX              | Excision of Face Artery, Percutaneous Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 03BR3ZZ              | Excision of Face Artery, Percutaneous Approach               | 59                 | Other OR procedure        |
| 10                    | 03BR4ZX              | Excision of Face Artery, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 03BR4ZZ              | Excision of Face Artery, Percutaneous Endoscopic Approach    | 59                 | Other OR procedure        |
| 10                    | 03BS0ZX              | Excision of Right Temporal Artery, Open Approach, Diagnost   | 62                 | Other diagnostic          |
| 10                    | 03BS0ZZ              | Excision of Right Temporal Artery, Open Approach             | 59                 | Other OR procedure        |
| 10                    | 03BS3ZX              | Excision of Right Temporal Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 03BS3ZZ              | Excision of Right Temporal Artery, Percutaneous Approach     | 59                 | Other OR procedure        |
| 10                    | 03BS4ZX              | Excision of Right Temporal Artery, Perc Endo Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 03BS4ZZ              | Excision of Right Temporal Artery, Perc Endo Approach        | 59                 | Other OR procedure        |
| 10                    | 03BT0ZX              | Excision of Left Temporal Artery, Open Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 03BT0ZZ              | Excision of Left Temporal Artery, Open Approach              | 59                 | Other OR procedure        |
| 10                    | 03BT3ZX              | Excision of Left Temporal Artery, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 03BT3ZZ              | Excision of Left Temporal Artery, Percutaneous Approach      | 59                 | Other OR procedure        |
| 10                    | 03BT4ZX              | Excision of Left Temporal Artery, Perc Endo Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 03BT4ZZ              | Excision of Left Temporal Artery, Perc Endo Approach         | 59                 | Other OR procedure        |
| 10                    | 03BU0ZX              | Excision of Right Thyroid Artery, Open Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 03BU0ZZ              | Excision of Right Thyroid Artery, Open Approach              | 59                 | Other OR procedure        |
| 10                    | 03BU3ZX              | Excision of Right Thyroid Artery, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 03BU3ZZ              | Excision of Right Thyroid Artery, Percutaneous Approach      | 59                 | Other OR procedure        |
| 10                    | 03BU4ZX              | Excision of Right Thyroid Artery, Perc Endo Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 03BU4ZZ              | Excision of Right Thyroid Artery, Perc Endo Approach         | 59                 | Other OR procedure        |
| 10                    | 03BV0ZX              | Excision of Left Thyroid Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 03BV0ZZ              | Excision of Left Thyroid Artery, Open Approach               | 59                 | Other OR procedure        |
| 10                    | 03BV3ZX              | Excision of Left Thyroid Artery, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 03BV3ZZ              | Excision of Left Thyroid Artery, Percutaneous Approach       | 59                 | Other OR procedure        |
| 10                    | 03BV4ZX              | Excision of Left Thyroid Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 03BV4ZZ              | Excision of Left Thyroid Artery, Perc Endo Approach          | 59                 | Other OR procedure        |
| 10                    | 03BY0ZX              | Excision of Upper Artery, Open Approach, Diagnostic          | 62                 | Other diagnostic          |
| 10                    | 03BY3ZX              | Excision of Upper Artery, Percutaneous Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 03BY4ZX              | Excision of Upper Artery, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 03CG026              | Extirpate matter from Intracran Art, Bifurc, Open            | 51                 | Endarterectomy; v         |
| 10                    | 03CG02Z              | Extirpation of Matter from Intracran Art, Open Approach      | 51                 | Endarterectomy; v         |
| 10                    | 03CG326              | Extirpate matter from Intracran Art, Bifurc, Perc            | 51                 | Endarterectomy; v         |
| 10                    | 03CG32Z              | Extirpation of Matter from Intracran Art, Perc Approach      | 51                 | Endarterectomy; v         |
| 10                    | 03CG426              | Extirpate matter from Intracran Art, Bifurc, Perc Endo       | 51                 | Endarterectomy; v         |
| 10                    | 03CG42Z              | Extirpation of Matter from Intracran Art, Perc Endo Approa   | 51                 | Endarterectomy; v         |
| 10                    | 03CH026              | Extirpate matter from R Com Carotid, Bifurc, Open            | 51                 | Endarterectomy; v         |
| 10                    | 03CH02Z              | Extirpation of Matter from R Com Carotid, Open Approach      | 51                 | Endarterectomy; v         |
| 10                    | 03CH326              | Extirpate matter from R Com Carotid, Bifurc, Perc            | 51                 | Endarterectomy; v         |
| 10                    | 03CH32Z              | Extirpation of Matter from R Com Carotid, Perc Approach      | 51                 | Endarterectomy; v         |
| 10                    | 03CH426              | Extirpate matter from R Com Carotid, Bifurc, Perc Endo       | 51                 | Endarterectomy; v         |
| 10                    | 03CH42Z              | Extirpation of Matter from R Com Carotid, Perc Endo Approa   | 51                 | Endarterectomy; v         |







The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 03LP0CZ              | Occlusion of R Vertebr Art with Extralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LP0DZ              | Occlusion of R Vertebr Art with Intralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LP0ZZ              | Occlusion of Right Vertebral Artery, Open Approach           | 59                 | Other OR procedur          |
| 10                    | 03LP3BZ              | Occlusion R Vertebr Art w Bioact Intralum, Perc              | 59                 | Other OR procedur          |
| 10                    | 03LP3CZ              | Occlusion of R Vertebr Art with Extralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LP3DZ              | Occlusion of R Vertebr Art with Intralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LP3ZZ              | Occlusion of Right Vertebral Artery, Percutaneous Approach   | 59                 | Other OR procedur          |
| 10                    | 03LP4BZ              | Occlusion R Vertebr Art w Bioact Intralum, Perc Endo         | 59                 | Other OR procedur          |
| 10                    | 03LP4CZ              | Occlusion R Vertebr Art w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LP4DZ              | Occlusion R Vertebr Art w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LP4ZZ              | Occlusion of Right Vertebral Artery, Perc Endo Approach      | 59                 | Other OR procedur          |
| 10                    | 03LQ0BZ              | Occlusion L Vertebr Art w Bioact Intralum, Open              | 59                 | Other OR procedur          |
| 10                    | 03LQ0CZ              | Occlusion of L Vertebr Art with Extralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LQ0DZ              | Occlusion of L Vertebr Art with Intralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LQ0ZZ              | Occlusion of Left Vertebral Artery, Open Approach            | 59                 | Other OR procedur          |
| 10                    | 03LQ3BZ              | Occlusion L Vertebr Art w Bioact Intralum, Perc              | 59                 | Other OR procedur          |
| 10                    | 03LQ3CZ              | Occlusion of L Vertebr Art with Extralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LQ3DZ              | Occlusion of L Vertebr Art with Intralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LQ3ZZ              | Occlusion of Left Vertebral Artery, Percutaneous Approach    | 59                 | Other OR procedur          |
| 10                    | 03LQ4BZ              | Occlusion L Vertebr Art w Bioact Intralum, Perc Endo         | 59                 | Other OR procedur          |
| 10                    | 03LQ4CZ              | Occlusion L Vertebr Art w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LQ4DZ              | Occlusion L Vertebr Art w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LQ4ZZ              | Occlusion of Left Vertebral Artery, Perc Endo Approach       | 59                 | Other OR procedur          |
| 10                    | 03LR0CZ              | Occlusion of Face Artery with Extralum Dev, Open Approach    | 59                 | Other OR procedur          |
| 10                    | 03LR0DZ              | Occlusion of Face Artery with Intralum Dev, Open Approach    | 59                 | Other OR procedur          |
| 10                    | 03LR0ZZ              | Occlusion of Face Artery, Open Approach                      | 59                 | Other OR procedur          |
| 10                    | 03LR3CZ              | Occlusion of Face Artery with Extralum Dev, Perc Approach    | 59                 | Other OR procedur          |
| 10                    | 03LR3DZ              | Occlusion of Face Artery with Intralum Dev, Perc Approach    | 59                 | Other OR procedur          |
| 10                    | 03LR3ZZ              | Occlusion of Face Artery, Percutaneous Approach              | 59                 | Other OR procedur          |
| 10                    | 03LR4CZ              | Occlusion of Face Art with Extralum Dev, Perc Endo Approach  | 59                 | Other OR procedur          |
| 10                    | 03LR4DZ              | Occlusion of Face Art with Intralum Dev, Perc Endo Approach  | 59                 | Other OR procedur          |
| 10                    | 03LR4ZZ              | Occlusion of Face Artery, Percutaneous Endoscopic Approach   | 59                 | Other OR procedur          |
| 10                    | 03LS0CZ              | Occlusion of R Temporal Art with Extralum Dev, Open Approach | 59                 | Other OR procedur          |
| 10                    | 03LS0DZ              | Occlusion of R Temporal Art with Intralum Dev, Open Approach | 59                 | Other OR procedur          |
| 10                    | 03LS0ZZ              | Occlusion of Right Temporal Artery, Open Approach            | 59                 | Other OR procedur          |
| 10                    | 03LS3CZ              | Occlusion of R Temporal Art with Extralum Dev, Perc Approach | 59                 | Other OR procedur          |
| 10                    | 03LS3DZ              | Occlusion of R Temporal Art with Intralum Dev, Perc Approach | 59                 | Other OR procedur          |
| 10                    | 03LS3ZZ              | Occlusion of Right Temporal Artery, Percutaneous Approach    | 59                 | Other OR procedur          |
| 10                    | 03LS4CZ              | Occlusion R Temporal Art w Extralum Dev, Perc Endo           | 59                 | Other OR procedur          |
| 10                    | 03LS4DZ              | Occlusion R Temporal Art w Intralum Dev, Perc Endo           | 59                 | Other OR procedur          |
| 10                    | 03LS4ZZ              | Occlusion of Right Temporal Artery, Perc Endo Approach       | 59                 | Other OR procedur          |
| 10                    | 03LT0CZ              | Occlusion of L Temporal Art with Extralum Dev, Open Approach | 59                 | Other OR procedur          |
| 10                    | 03LT0DZ              | Occlusion of L Temporal Art with Intralum Dev, Open Approach | 59                 | Other OR procedur          |
| 10                    | 03LT0ZZ              | Occlusion of Left Temporal Artery, Open Approach             | 59                 | Other OR procedur          |
| 10                    | 03LT3CZ              | Occlusion of L Temporal Art with Extralum Dev, Perc Approach | 59                 | Other OR procedur          |
| 10                    | 03LT3DZ              | Occlusion of L Temporal Art with Intralum Dev, Perc Approach | 59                 | Other OR procedur          |
| 10                    | 03LT3ZZ              | Occlusion of Left Temporal Artery, Percutaneous Approach     | 59                 | Other OR procedur          |
| 10                    | 03LT4CZ              | Occlusion L Temporal Art w Extralum Dev, Perc Endo           | 59                 | Other OR procedur          |
| 10                    | 03LT4DZ              | Occlusion L Temporal Art w Intralum Dev, Perc Endo           | 59                 | Other OR procedur          |
| 10                    | 03LT4ZZ              | Occlusion of Left Temporal Artery, Perc Endo Approach        | 59                 | Other OR procedur          |
| 10                    | 03LU0CZ              | Occlusion of R Thyroid Art with Extralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LU0DZ              | Occlusion of R Thyroid Art with Intralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LU0ZZ              | Occlusion of Right Thyroid Artery, Open Approach             | 59                 | Other OR procedur          |
| 10                    | 03LU3CZ              | Occlusion of R Thyroid Art with Extralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LU3DZ              | Occlusion of R Thyroid Art with Intralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LU3ZZ              | Occlusion of Right Thyroid Artery, Percutaneous Approach     | 59                 | Other OR procedur          |
| 10                    | 03LU4CZ              | Occlusion R Thyroid Art w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LU4DZ              | Occlusion R Thyroid Art w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LU4ZZ              | Occlusion of Right Thyroid Artery, Perc Endo Approach        | 59                 | Other OR procedur          |
| 10                    | 03LV0CZ              | Occlusion of L Thyroid Art with Extralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LV0DZ              | Occlusion of L Thyroid Art with Intralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 03LV0ZZ              | Occlusion of Left Thyroid Artery, Open Approach              | 59                 | Other OR procedur          |
| 10                    | 03LV3CZ              | Occlusion of L Thyroid Art with Extralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LV3DZ              | Occlusion of L Thyroid Art with Intralum Dev, Perc Approach  | 59                 | Other OR procedur          |
| 10                    | 03LV3ZZ              | Occlusion of Left Thyroid Artery, Percutaneous Approach      | 59                 | Other OR procedur          |
| 10                    | 03LV4CZ              | Occlusion L Thyroid Art w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LV4DZ              | Occlusion L Thyroid Art w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 03LV4ZZ              | Occlusion of Left Thyroid Artery, Perc Endo Approach         | 59                 | Other OR procedur          |
| 10                    | 03NG0ZZ              | Release Intracranial Artery, Open Approach                   | 59                 | Other OR procedur          |
| 10                    | 03NG3ZZ              | Release Intracranial Artery, Percutaneous Approach           | 59                 | Other OR procedur          |
| 10                    | 03NG4ZZ              | Release Intracranial Artery, Perc Endo Approach              | 59                 | Other OR procedur          |
| 10                    | 03NH0ZZ              | Release Right Common Carotid Artery, Open Approach           | 59                 | Other OR procedur          |
| 10                    | 03NH3ZZ              | Release Right Common Carotid Artery, Percutaneous Approach   | 59                 | Other OR procedur          |
| 10                    | 03NH4ZZ              | Release Right Common Carotid Artery, Perc Endo Approach      | 59                 | Other OR procedur          |
| 10                    | 03NI0ZZ              | Release Left Common Carotid Artery, Open Approach            | 59                 | Other OR procedur          |
| 10                    | 03NI3ZZ              | Release Left Common Carotid Artery, Percutaneous Approach    | 59                 | Other OR procedur          |
| 10                    | 03NI4ZZ              | Release Left Common Carotid Artery, Perc Endo Approach       | 59                 | Other OR procedur          |
| 10                    | 03NK0ZZ              | Release Right Internal Carotid Artery, Open Approach         | 59                 | Other OR procedur          |
| 10                    | 03NK3ZZ              | Release Right Internal Carotid Artery, Percutaneous Approach | 59                 | Other OR procedur          |
| 10                    | 03NK4ZZ              | Release Right Internal Carotid Artery, Perc Endo Approach    | 59                 | Other OR procedur          |
| 10                    | 03NL0ZZ              | Release Left Internal Carotid Artery, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 03NL3ZZ              | Release Left Internal Carotid Artery, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 03NL4ZZ              | Release Left Internal Carotid Artery, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 03NM0ZZ              | Release Right External Carotid Artery, Open Approach         | 59                 | Other OR procedur          |
| 10                    | 03NM3ZZ              | Release Right External Carotid Artery, Percutaneous Approach | 59                 | Other OR procedur          |
| 10                    | 03NM4ZZ              | Release Right External Carotid Artery, Perc Endo Approach    | 59                 | Other OR procedur          |
| 10                    | 03NN0ZZ              | Release Left External Carotid Artery, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 03NN3ZZ              | Release Left External Carotid Artery, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 03NN4ZZ              | Release Left External Carotid Artery, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 03NP0ZZ              | Release Right Vertebral Artery, Open Approach                | 59                 | Other OR procedur          |
| 10                    | 03NP3ZZ              | Release Right Vertebral Artery, Percutaneous Approach        | 59                 | Other OR procedur          |
| 10                    | 03NP4ZZ              | Release Right Vertebral Artery, Perc Endo Approach           | 59                 | Other OR procedur          |
| 10                    | 03NQ0ZZ              | Release Left Vertebral Artery, Open Approach                 | 59                 | Other OR procedur          |
| 10                    | 03NQ3ZZ              | Release Left Vertebral Artery, Percutaneous Approach         | 59                 | Other OR procedur          |
| 10                    | 03NQ4ZZ              | Release Left Vertebral Artery, Perc Endo Approach            | 59                 | Other OR procedur          |
| 10                    | 03NR0ZZ              | Release Face Artery, Open Approach                           | 59                 | Other OR procedur          |
| 10                    | 03NR3ZZ              | Release Face Artery, Percutaneous Approach                   | 59                 | Other OR procedur          |
| 10                    | 03NR4ZZ              | Release Face Artery, Percutaneous Endoscopic Approach        | 59                 | Other OR procedur          |
| 10                    | 03NS0ZZ              | Release Right Temporal Artery, Open Approach                 | 59                 | Other OR procedur          |
| 10                    | 03NS3ZZ              | Release Right Temporal Artery, Percutaneous Approach         | 59                 | Other OR procedur          |
| 10                    | 03NS4ZZ              | Release Right Temporal Artery, Perc Endo Approach            | 59                 | Other OR procedur          |
| 10                    | 03NT0ZZ              | Release Left Temporal Artery, Open Approach                  | 59                 | Other OR procedur          |
| 10                    | 03NT3ZZ              | Release Left Temporal Artery, Percutaneous Approach          | 59                 | Other OR procedur          |
| 10                    | 03NT4ZZ              | Release Left Temporal Artery, Perc Endo Approach             | 59                 | Other OR procedur          |
| 10                    | 03NU0ZZ              | Release Right Thyroid Artery, Open Approach                  | 59                 | Other OR procedur          |
| 10                    | 03NU3ZZ              | Release Right Thyroid Artery, Percutaneous Approach          | 59                 | Other OR procedur          |







































The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 04903ZX              | Drainage of Abdominal Aorta, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04904ZX              | Drainage of Abdominal Aorta, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 04910ZX              | Drainage of Celiac Artery, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 04913ZX              | Drainage of Celiac Artery, Percutaneous Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 04914ZX              | Drainage of Celiac Artery, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04920ZX              | Drainage of Gastric Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 04923ZX              | Drainage of Gastric Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04924ZX              | Drainage of Gastric Artery, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04930ZX              | Drainage of Hepatic Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 04933ZX              | Drainage of Hepatic Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04934ZX              | Drainage of Hepatic Artery, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04940ZX              | Drainage of Splenic Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 04943ZX              | Drainage of Splenic Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04944ZX              | Drainage of Splenic Artery, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04950ZX              | Drainage of Superior Mesenteric Artery, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 04953ZX              | Drainage of Superior Mesenteric Artery, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 04954ZX              | Drainage of Sup Mesent Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04960ZX              | Drainage of Right Colic Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 04963ZX              | Drainage of Right Colic Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 04964ZX              | Drainage of Right Colic Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04970ZX              | Drainage of Left Colic Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 04973ZX              | Drainage of Left Colic Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 04974ZX              | Drainage of Left Colic Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04980ZX              | Drainage of Middle Colic Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 04983ZX              | Drainage of Middle Colic Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04984ZX              | Drainage of Middle Colic Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04990ZX              | Drainage of Right Renal Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 04993ZX              | Drainage of Right Renal Artery, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 04994ZX              | Drainage of Right Renal Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 049A0ZX              | Drainage of Left Renal Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 049A3ZX              | Drainage of Left Renal Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049A4ZX              | Drainage of Left Renal Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 049B0ZX              | Drainage of Inferior Mesenteric Artery, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049B3ZX              | Drainage of Inferior Mesenteric Artery, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049B4ZX              | Drainage of Inf Mesent Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 049C0ZX              | Drainage of Right Common Iliac Artery, Open Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049C3ZX              | Drainage of Right Common Iliac Artery, Perc Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049C4ZX              | Drainage of R Com Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049D0ZX              | Drainage of Left Common Iliac Artery, Open Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 049D3ZX              | Drainage of Left Common Iliac Artery, Perc Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 049D4ZX              | Drainage of L Com Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049E0ZX              | Drainage of R Int Iliac Art, Open Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 049E3ZX              | Drainage of R Int Iliac Art, Perc Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 049E4ZX              | Drainage of R Int Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049F0ZX              | Drainage of Left Internal Iliac Artery, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049F3ZX              | Drainage of Left Internal Iliac Artery, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049F4ZX              | Drainage of L Int Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049H0ZX              | Drainage of R Ext Iliac Art, Open Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 049H3ZX              | Drainage of R Ext Iliac Art, Perc Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 049H4ZX              | Drainage of R Ext Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049J0ZX              | Drainage of Left External Iliac Artery, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049J3ZX              | Drainage of Left External Iliac Artery, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049J4ZX              | Drainage of L Ext Iliac Art, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049K0ZX              | Drainage of Right Femoral Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 049K3ZX              | Drainage of Right Femoral Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049K4ZX              | Drainage of Right Femoral Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049L0ZX              | Drainage of Left Femoral Artery, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 049L3ZX              | Drainage of Left Femoral Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 049L4ZX              | Drainage of Left Femoral Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 049M0ZX              | Drainage of Right Popliteal Artery, Open Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 049M3ZX              | Drainage of Right Popliteal Artery, Perc Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 049M4ZX              | Drainage of R Popl Art, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 049N0ZX              | Drainage of Left Popliteal Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 049N3ZX              | Drainage of Left Popliteal Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 049N4ZX              | Drainage of Left Popliteal Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049P0ZX              | Drainage of R Ant Tib Art, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 049P3ZX              | Drainage of R Ant Tib Art, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 049P4ZX              | Drainage of R Ant Tib Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 049Q0ZX              | Drainage of L Ant Tib Art, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 049Q3ZX              | Drainage of L Ant Tib Art, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 049Q4ZX              | Drainage of L Ant Tib Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 049R0ZX              | Drainage of R Post Tib Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 049R3ZX              | Drainage of R Post Tib Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 049R4ZX              | Drainage of R Post Tib Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 049S0ZX              | Drainage of L Post Tib Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 049S3ZX              | Drainage of L Post Tib Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 049S4ZX              | Drainage of L Post Tib Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 049T0ZX              | Drainage of Right Peroneal Artery, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 049T3ZX              | Drainage of Right Peroneal Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 049T4ZX              | Drainage of Right Peroneal Artery, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 049U0ZX              | Drainage of Left Peroneal Artery, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 049U3ZX              | Drainage of Left Peroneal Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 049U4ZX              | Drainage of Left Peroneal Artery, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049V0ZX              | Drainage of Right Foot Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 049V3ZX              | Drainage of Right Foot Artery, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 049V4ZX              | Drainage of Right Foot Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 049W0ZX              | Drainage of Left Foot Artery, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 049W3ZX              | Drainage of Left Foot Artery, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 049W4ZX              | Drainage of Left Foot Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 049Y0ZX              | Drainage of Lower Artery, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 049Y3ZX              | Drainage of Lower Artery, Percutaneous Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 049Y4ZX              | Drainage of Lower Artery, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 04800ZX              | Excision of Abdominal Aorta, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 04800ZZ              | Excision of Abdominal Aorta, Open Approach                 | 52                 | Aortic resection;         |
| 10                    | 04803ZX              | Excision of Abdominal Aorta, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04803ZZ              | Excision of Abdominal Aorta, Percutaneous Approach         | 52                 | Aortic resection;         |
| 10                    | 04804ZX              | Excision of Abdominal Aorta, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 04804ZZ              | Excision of Abdominal Aorta, Perc Endo Approach            | 52                 | Aortic resection;         |
| 10                    | 04810ZX              | Excision of Celiac Artery, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 04813ZX              | Excision of Celiac Artery, Percutaneous Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 04814ZX              | Excision of Celiac Artery, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04820ZX              | Excision of Gastric Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 04823ZX              | Excision of Gastric Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04824ZX              | Excision of Gastric Artery, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04830ZX              | Excision of Hepatic Artery, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 04833ZX              | Excision of Hepatic Artery, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 04B34ZX              | Excision of Hepatic Artery, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04B40ZX              | Excision of Splenic Artery, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 04B43ZX              | Excision of Splenic Artery, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04B44ZX              | Excision of Splenic Artery, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04B50ZX              | Excision of Superior Mesenteric Artery, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04B53ZX              | Excision of Superior Mesenteric Artery, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04B54ZX              | Excision of Sup Mesent Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04B60ZX              | Excision of Right Colic Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 04B63ZX              | Excision of Right Colic Artery, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04B64ZX              | Excision of Right Colic Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04B70ZX              | Excision of Left Colic Artery, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 04B73ZX              | Excision of Left Colic Artery, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04B74ZX              | Excision of Left Colic Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04B80ZX              | Excision of Middle Colic Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 04B83ZX              | Excision of Middle Colic Artery, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04B84ZX              | Excision of Middle Colic Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04B90ZX              | Excision of Right Renal Artery, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 04B93ZX              | Excision of Right Renal Artery, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04B94ZX              | Excision of Right Renal Artery, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 04BA0ZX              | Excision of Left Renal Artery, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 04BA3ZX              | Excision of Left Renal Artery, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BA4ZX              | Excision of Left Renal Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04BB0ZX              | Excision of Inferior Mesenteric Artery, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BB3ZX              | Excision of Inferior Mesenteric Artery, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BB4ZX              | Excision of Inf Mesent Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04BC0ZX              | Excision of Right Common Iliac Artery, Open Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BC3ZX              | Excision of Right Common Iliac Artery, Perc Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BC4ZX              | Excision of R Com Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BD0ZX              | Excision of Left Common Iliac Artery, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04BD3ZX              | Excision of Left Common Iliac Artery, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04BD4ZX              | Excision of L Com Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BE0ZX              | Excision of R Int Iliac Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 04BE3ZX              | Excision of R Int Iliac Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 04BE4ZX              | Excision of R Int Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BF0ZX              | Excision of Left Internal Iliac Artery, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BF3ZX              | Excision of Left Internal Iliac Artery, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BF4ZX              | Excision of L Int Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BH0ZX              | Excision of R Ext Iliac Art, Open Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 04BH3ZX              | Excision of R Ext Iliac Art, Perc Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 04BH4ZX              | Excision of R Ext Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BJ0ZX              | Excision of Left External Iliac Artery, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BJ3ZX              | Excision of Left External Iliac Artery, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BJ4ZX              | Excision of L Ext Iliac Art, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BK0ZX              | Excision of Right Femoral Artery, Open Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 04BK3ZX              | Excision of Right Femoral Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BK4ZX              | Excision of Right Femoral Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BL0ZX              | Excision of Left Femoral Artery, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 04BL3ZX              | Excision of Left Femoral Artery, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04BL4ZX              | Excision of Left Femoral Artery, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04BM0ZX              | Excision of Right Popliteal Artery, Open Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04BM3ZX              | Excision of Right Popliteal Artery, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04BM4ZX              | Excision of R Popl Art, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 04BN0ZX              | Excision of Left Popliteal Artery, Open Approach, Diagnost  | 62                 | Other diagnostic          |
| 10                    | 04BN3ZX              | Excision of Left Popliteal Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 04BN4ZX              | Excision of Left Popliteal Artery, Perc Endo Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BP0ZX              | Excision of R Ant Tib Art, Open Approach, Diagn             | 62                 | Other diagnostic          |
| 10                    | 04BP3ZX              | Excision of R Ant Tib Art, Perc Approach, Diagn             | 62                 | Other diagnostic          |
| 10                    | 04BP4ZX              | Excision of R Ant Tib Art, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 04BQ0ZX              | Excision of L Ant Tib Art, Open Approach, Diagn             | 62                 | Other diagnostic          |
| 10                    | 04BQ3ZX              | Excision of L Ant Tib Art, Perc Approach, Diagn             | 62                 | Other diagnostic          |
| 10                    | 04BQ4ZX              | Excision of L Ant Tib Art, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 04BR0ZX              | Excision of R Post Tib Art, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 04BR3ZX              | Excision of R Post Tib Art, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 04BR4ZX              | Excision of R Post Tib Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04BS0ZX              | Excision of L Post Tib Art, Open Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 04BS3ZX              | Excision of L Post Tib Art, Perc Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 04BS4ZX              | Excision of L Post Tib Art, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 04BT0ZX              | Excision of Right Peroneal Artery, Open Approach, Diagnost  | 62                 | Other diagnostic          |
| 10                    | 04BT3ZX              | Excision of Right Peroneal Artery, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 04BT4ZX              | Excision of Right Peroneal Artery, Perc Endo Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 04BU0ZX              | Excision of Left Peroneal Artery, Open Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 04BU3ZX              | Excision of Left Peroneal Artery, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 04BU4ZX              | Excision of Left Peroneal Artery, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BV0ZX              | Excision of Right Foot Artery, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 04BV3ZX              | Excision of Right Foot Artery, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 04BV4ZX              | Excision of Right Foot Artery, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 04BW0ZX              | Excision of Left Foot Artery, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 04BW3ZX              | Excision of Left Foot Artery, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 04BW4ZX              | Excision of Left Foot Artery, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 04BY0ZX              | Excision of Lower Artery, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 04BY3ZX              | Excision of Lower Artery, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 04BY4ZX              | Excision of Lower Artery, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 04CK0Z6              | Extirpation of Matter from R Fem Art, Bifurc, Open Approa   | 60                 | Embolectomy and e         |
| 10                    | 04CK0ZZ              | Extirpation of Matter from R Fem Art, Open Approach         | 60                 | Embolectomy and e         |
| 10                    | 04CK3Z6              | Extirpation of Matter from R Fem Art, Bifurc, Perc Approa   | 60                 | Embolectomy and e         |
| 10                    | 04CK3ZZ              | Extirpation of Matter from R Fem Art, Perc Approach         | 60                 | Embolectomy and e         |
| 10                    | 04CK4Z6              | Extirpate matter from R Fem Art, Bifurc, Perc Endo          | 60                 | Embolectomy and e         |
| 10                    | 04CK4ZZ              | Extirpation of Matter from R Fem Art, Perc Endo Approach    | 60                 | Embolectomy and e         |
| 10                    | 04CL0Z6              | Extirpation of Matter from L Fem Art, Bifurc, Open Approa   | 60                 | Embolectomy and e         |
| 10                    | 04CL0ZZ              | Extirpation of Matter from L Fem Art, Open Approach         | 60                 | Embolectomy and e         |
| 10                    | 04CL3Z6              | Extirpation of Matter from L Fem Art, Bifurc, Perc Approa   | 60                 | Embolectomy and e         |
| 10                    | 04CL3ZZ              | Extirpation of Matter from L Fem Art, Perc Approach         | 60                 | Embolectomy and e         |
| 10                    | 04CL4Z6              | Extirpate matter from L Fem Art, Bifurc, Perc Endo          | 60                 | Embolectomy and e         |
| 10                    | 04CL4ZZ              | Extirpation of Matter from L Fem Art, Perc Endo Approach    | 60                 | Embolectomy and e         |
| 10                    | 04CM0Z6              | Extirpation of Matter from R Popl Art, Bifurc, Open Approa  | 60                 | Embolectomy and e         |
| 10                    | 04CM0ZZ              | Extirpation of Matter from R Popl Art, Open Approach        | 60                 | Embolectomy and e         |
| 10                    | 04CM3Z6              | Extirpation of Matter from R Popl Art, Bifurc, Perc Approa  | 60                 | Embolectomy and e         |
| 10                    | 04CM3ZZ              | Extirpation of Matter from R Popl Art, Perc Approach        | 60                 | Embolectomy and e         |
| 10                    | 04CM4Z6              | Extirpate matter from R Popl Art, Bifurc, Perc Endo         | 60                 | Embolectomy and e         |
| 10                    | 04CM4ZZ              | Extirpation of Matter from R Popl Art, Perc Endo Approach   | 60                 | Embolectomy and e         |
| 10                    | 04CN0Z6              | Extirpation of Matter from L Popl Art, Bifurc, Open Approa  | 60                 | Embolectomy and e         |
| 10                    | 04CN0ZZ              | Extirpation of Matter from L Popl Art, Open Approach        | 60                 | Embolectomy and e         |
| 10                    | 04CN3Z6              | Extirpation of Matter from L Popl Art, Bifurc, Perc Approa  | 60                 | Embolectomy and e         |
| 10                    | 04CN3ZZ              | Extirpation of Matter from L Popl Art, Perc Approach        | 60                 | Embolectomy and e         |
| 10                    | 04CN4Z6              | Extirpate matter from L Popl Art, Bifurc, Perc Endo         | 60                 | Embolectomy and e         |
| 10                    | 04CN4ZZ              | Extirpation of Matter from L Popl Art, Perc Endo Approach   | 60                 | Embolectomy and e         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 04CP026              | Extirpate matter from R Ant Tib Art, Bifurc, Open          | 60                 | Embolectomy and e          |
| 10                    | 04CP02Z              | Extirpation of Matter from R Ant Tib Art, Open Approach    | 60                 | Embolectomy and e          |
| 10                    | 04CP326              | Extirpate matter from R Ant Tib Art, Bifurc, Perc          | 60                 | Embolectomy and e          |
| 10                    | 04CP32Z              | Extirpation of Matter from R Ant Tib Art, Perc Approach    | 60                 | Embolectomy and e          |
| 10                    | 04CP426              | Extirpate matter from R Ant Tib Art, Bifurc, Perc Endo     | 60                 | Embolectomy and e          |
| 10                    | 04CP42Z              | Extirpation of Matter from R Ant Tib Art, Perc Endo Approa | 60                 | Embolectomy and e          |
| 10                    | 04CQ026              | Extirpate matter from L Ant Tib Art, Bifurc, Open          | 60                 | Embolectomy and e          |
| 10                    | 04CQ02Z              | Extirpation of Matter from L Ant Tib Art, Open Approach    | 60                 | Embolectomy and e          |
| 10                    | 04CQ326              | Extirpate matter from L Ant Tib Art, Bifurc, Perc          | 60                 | Embolectomy and e          |
| 10                    | 04CQ32Z              | Extirpation of Matter from L Ant Tib Art, Perc Approach    | 60                 | Embolectomy and e          |
| 10                    | 04CQ426              | Extirpate matter from L Ant Tib Art, Bifurc, Perc Endo     | 60                 | Embolectomy and e          |
| 10                    | 04CQ42Z              | Extirpation of Matter from L Ant Tib Art, Perc Endo Approa | 60                 | Embolectomy and e          |
| 10                    | 04CR026              | Extirpate matter from R Post Tib Art, Bifurc, Open         | 60                 | Embolectomy and e          |
| 10                    | 04CR02Z              | Extirpation of Matter from R Post Tib Art, Open Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CR326              | Extirpate matter from R Post Tib Art, Bifurc, Perc         | 60                 | Embolectomy and e          |
| 10                    | 04CR32Z              | Extirpation of Matter from R Post Tib Art, Perc Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CR426              | Extirpate matter from R Post Tib Art, Bifurc, Perc Endo    | 60                 | Embolectomy and e          |
| 10                    | 04CR42Z              | Extirpate of Matter from R Post Tib Art, Perc Endo Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CS026              | Extirpate matter from L Post Tib Art, Bifurc, Open         | 60                 | Embolectomy and e          |
| 10                    | 04CS02Z              | Extirpation of Matter from L Post Tib Art, Open Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CS326              | Extirpate matter from L Post Tib Art, Bifurc, Perc         | 60                 | Embolectomy and e          |
| 10                    | 04CS32Z              | Extirpation of Matter from L Post Tib Art, Perc Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CS426              | Extirpate matter from L Post Tib Art, Bifurc, Perc Endo    | 60                 | Embolectomy and e          |
| 10                    | 04CS42Z              | Extirpate of Matter from L Post Tib Art, Perc Endo Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CT026              | Extirpate matter from R Peroneal Art, Bifurc, Open         | 60                 | Embolectomy and e          |
| 10                    | 04CT02Z              | Extirpation of Matter from R Peroneal Art, Open Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CT326              | Extirpate matter from R Peroneal Art, Bifurc, Perc         | 60                 | Embolectomy and e          |
| 10                    | 04CT32Z              | Extirpation of Matter from R Peroneal Art, Perc Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CT426              | Extirpate matter from R Peroneal Art, Bifurc, Perc Endo    | 60                 | Embolectomy and e          |
| 10                    | 04CT42Z              | Extirpate of Matter from R Peroneal Art, Perc Endo Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CU026              | Extirpate matter from L Peroneal Art, Bifurc, Open         | 60                 | Embolectomy and e          |
| 10                    | 04CU02Z              | Extirpation of Matter from L Peroneal Art, Open Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CU326              | Extirpate matter from L Peroneal Art, Bifurc, Perc         | 60                 | Embolectomy and e          |
| 10                    | 04CU32Z              | Extirpation of Matter from L Peroneal Art, Perc Approach   | 60                 | Embolectomy and e          |
| 10                    | 04CU426              | Extirpate matter from L Peroneal Art, Bifurc, Perc Endo    | 60                 | Embolectomy and e          |
| 10                    | 04CU42Z              | Extirpate of Matter from L Peroneal Art, Perc Endo Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CV026              | Extirpation of Matter from R Foot Art, Bifurc, Open Approa | 60                 | Embolectomy and e          |
| 10                    | 04CV02Z              | Extirpation of Matter from Right Foot Artery, Open Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CV326              | Extirpation of Matter from R Foot Art, Bifurc, Perc Approa | 60                 | Embolectomy and e          |
| 10                    | 04CV32Z              | Extirpation of Matter from Right Foot Artery, Perc Approa  | 60                 | Embolectomy and e          |
| 10                    | 04CV426              | Extirpate matter from R Foot Art, Bifurc, Perc Endo        | 60                 | Embolectomy and e          |
| 10                    | 04CV42Z              | Extirpation of Matter from R Foot Art, Perc Endo Approach  | 60                 | Embolectomy and e          |
| 10                    | 04CW026              | Extirpation of Matter from L Foot Art, Bifurc, Open Approa | 60                 | Embolectomy and e          |
| 10                    | 04CW02Z              | Extirpation of Matter from Left Foot Artery, Open Approach | 60                 | Embolectomy and e          |
| 10                    | 04CW326              | Extirpation of Matter from L Foot Art, Bifurc, Perc Approa | 60                 | Embolectomy and e          |
| 10                    | 04CW32Z              | Extirpation of Matter from Left Foot Artery, Perc Approach | 60                 | Embolectomy and e          |
| 10                    | 04CW426              | Extirpate matter from L Foot Art, Bifurc, Perc Endo        | 60                 | Embolectomy and e          |
| 10                    | 04CW42Z              | Extirpation of Matter from L Foot Art, Perc Endo Approach  | 60                 | Embolectomy and e          |
| 10                    | 04CY026              | Extirpation of Matter from Low Art, Bifurc, Open Approach  | 60                 | Embolectomy and e          |
| 10                    | 04CY02Z              | Extirpation of Matter from Lower Artery, Open Approach     | 60                 | Embolectomy and e          |
| 10                    | 04CY326              | Extirpation of Matter from Low Art, Bifurc, Perc Approach  | 60                 | Embolectomy and e          |
| 10                    | 04CY32Z              | Extirpation of Matter from Lower Artery, Perc Approach     | 60                 | Embolectomy and e          |
| 10                    | 04CY426              | Extirpate of Matter from Low Art, Bifurc, Perc Endo Approa | 60                 | Embolectomy and e          |
| 10                    | 04CY42Z              | Extirpation of Matter from Lower Artery, Perc Endo Approa  | 60                 | Embolectomy and e          |
| 10                    | 04H002Z              | Insertion of Monitoring Device into Abd Aorta, Open Approa | 62                 | Other diagnostic           |
| 10                    | 04H032Z              | Insertion of Monitoring Device into Abd Aorta, Perc Approa | 62                 | Other diagnostic           |
| 10                    | 04H042Z              | Insertion of Monitor Dev into Abd Aorta, Perc Endo Approa  | 62                 | Other diagnostic           |
| 10                    | 04HY02Z              | Insertion of Monitoring Device into Low Art, Open Approach | 62                 | Other diagnostic           |
| 10                    | 04HY32Z              | Insertion of Monitoring Device into Low Art, Perc Approach | 62                 | Other diagnostic           |
| 10                    | 04HY42Z              | Insertion of Monitor Dev into Low Art, Perc Endo Approach  | 62                 | Other diagnostic           |
| 10                    | 04JY02Z              | Inspection of Lower Artery, Open Approach                  | 62                 | Other diagnostic           |
| 10                    | 04JY32Z              | Inspection of Lower Artery, Percutaneous Approach          | 62                 | Other diagnostic           |
| 10                    | 04JY42Z              | Inspection of Lower Artery, Percutaneous Endoscopic Approa | 62                 | Other diagnostic           |
| 10                    | 04JYX2Z              | Inspection of Lower Artery, External Approach              | 62                 | Other diagnostic           |
| 10                    | 04R007Z              | Replacement of Abdominal Aorta with Autol Sub, Open Approa | 52                 | Aortic resection;          |
| 10                    | 04R00JZ              | Replacement of Abdominal Aorta with Synth Sub, Open Approa | 52                 | Aortic resection;          |
| 10                    | 04R00KZ              | Replacement of Abd Aorta with Nonaut Sub, Open Approach    | 52                 | Aortic resection;          |
| 10                    | 04R047Z              | Replacement of Abd Aorta with Autol Sub, Perc Endo Approa  | 52                 | Aortic resection;          |
| 10                    | 04R04JZ              | Replacement of Abd Aorta with Synth Sub, Perc Endo Approa  | 52                 | Aortic resection;          |
| 10                    | 04R04KZ              | Replacement of Abd Aorta with Nonaut Sub, Perc Endo Approa | 52                 | Aortic resection;          |
| 10                    | 051007Y              | Bypass Azygos Vein to Up Vein with Autol Sub, Open Approa  | 56                 | Other vascular by          |
| 10                    | 051009Y              | Bypass Azygos Vein to Up Vein with Autol Vn, Open Approach | 56                 | Other vascular by          |
| 10                    | 05100AY              | Bypass Azygos Vein to Up Vein with Autol Art, Open Approa  | 56                 | Other vascular by          |
| 10                    | 05100JY              | Bypass Azygos Vein to Up Vein with Synth Sub, Open Approa  | 56                 | Other vascular by          |
| 10                    | 05100KY              | Bypass Azygos Vein to Up Vein with Nonaut Sub, Open Approa | 56                 | Other vascular by          |
| 10                    | 05100ZY              | Bypass Azygos Vein to Upper Vein, Open Approach            | 56                 | Other vascular by          |
| 10                    | 051047Y              | Bypass Azygos Vein to Up Vein w Autol Sub, Perc Endo       | 56                 | Other vascular by          |
| 10                    | 051049Y              | Bypass Azygos Vein to Up Vein w Autol Vn, Perc Endo        | 56                 | Other vascular by          |
| 10                    | 05104AY              | Bypass Azygos Vein to Up Vein w Autol Art, Perc Endo       | 56                 | Other vascular by          |
| 10                    | 05104JY              | Bypass Azygos Vein to Up Vein w Synth Sub, Perc Endo       | 56                 | Other vascular by          |
| 10                    | 05104KY              | Bypass Azygos Vein to Up Vein w Nonaut Sub, Perc Endo      | 56                 | Other vascular by          |
| 10                    | 05104ZY              | Bypass Azygos Vein to Upper Vein, Perc Endo Approach       | 56                 | Other vascular by          |
| 10                    | 051107Y              | Bypass Hemiazygos Vein to Up Vein w Autol Sub, Open        | 56                 | Other vascular by          |
| 10                    | 051109Y              | Bypass Hemiazygos Vein to Up Vein w Autol Vn, Open         | 56                 | Other vascular by          |
| 10                    | 05110AY              | Bypass Hemiazygos Vein to Up Vein w Autol Art, Open        | 56                 | Other vascular by          |
| 10                    | 05110JY              | Bypass Hemiazygos Vein to Up Vein w Synth Sub, Open        | 56                 | Other vascular by          |
| 10                    | 05110KY              | Bypass Hemiazygos Vein to Up Vein w Nonaut Sub, Open       | 56                 | Other vascular by          |
| 10                    | 05110ZY              | Bypass Hemiazygos Vein to Upper Vein, Open Approach        | 56                 | Other vascular by          |
| 10                    | 051147Y              | Bypass Hemiazygos Vein to Up Vein w Autol Sub, Perc Endo   | 56                 | Other vascular by          |
| 10                    | 051149Y              | Bypass Hemiazygos Vein to Up Vein w Autol Vn, Perc Endo    | 56                 | Other vascular by          |
| 10                    | 05114AY              | Bypass Hemiazygos Vein to Up Vein w Autol Art, Perc Endo   | 56                 | Other vascular by          |
| 10                    | 05114JY              | Bypass Hemiazygos Vein to Up Vein w Synth Sub, Perc Endo   | 56                 | Other vascular by          |
| 10                    | 05114KY              | Bypass Hemiazygos Vein to Up Vein w Nonaut Sub, Perc Endo  | 56                 | Other vascular by          |
| 10                    | 05114ZY              | Bypass Hemiazygos Vein to Upper Vein, Perc Endo Approach   | 56                 | Other vascular by          |
| 10                    | 051307Y              | Bypass R Innom Vein to Up Vein with Autol Sub, Open Approa | 56                 | Other vascular by          |
| 10                    | 051309Y              | Bypass R Innom Vein to Up Vein with Autol Vn, Open Approa  | 56                 | Other vascular by          |
| 10                    | 05130AY              | Bypass R Innom Vein to Up Vein with Autol Art, Open Approa | 56                 | Other vascular by          |
| 10                    | 05130JY              | Bypass R Innom Vein to Up Vein with Synth Sub, Open Approa | 56                 | Other vascular by          |
| 10                    | 05130KY              | Bypass R Innom Vein to Up Vein w Nonaut Sub, Open          | 56                 | Other vascular by          |
| 10                    | 05130ZY              | Bypass Right Innominate Vein to Upper Vein, Open Approach  | 56                 | Other vascular by          |
| 10                    | 051347Y              | Bypass R Innom Vein to Up Vein w Autol Sub, Perc Endo      | 56                 | Other vascular by          |
| 10                    | 051349Y              | Bypass R Innom Vein to Up Vein w Autol Vn, Perc Endo       | 56                 | Other vascular by          |
| 10                    | 05134AY              | Bypass R Innom Vein to Up Vein w Autol Art, Perc Endo      | 56                 | Other vascular by          |
| 10                    | 05134JY              | Bypass R Innom Vein to Up Vein w Synth Sub, Perc Endo      | 56                 | Other vascular by          |
| 10                    | 05134KY              | Bypass R Innom Vein to Up Vein w Nonaut Sub, Perc Endo     | 56                 | Other vascular by          |
| 10                    | 05134ZY              | Bypass Right Innominate Vein to Up Vein, Perc Endo Approa  | 56                 | Other vascular by          |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 051Q4AY              | Bypass L Ext Jugular Vein to Up Vein w Autol Art, Perc End | 55                 | Peripheral vascul         |
| 10                    | 051Q4JY              | Bypass L Ext Jugular Vein to Up Vein w Synth Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 051Q4KY              | Bypass L Ext Jugular Vein to Up Vein w Nonaut Sub, Perc En | 55                 | Peripheral vascul         |
| 10                    | 051Q4ZY              | Bypass L Ext Jugular Vein to Up Vein, Perc Endo Approach   | 55                 | Peripheral vascul         |
| 10                    | 051R07Y              | Bypass R Verteb Vein to Up Vein w Autol Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 051R09Y              | Bypass R Verteb Vein to Up Vein with Autol Vn, Open Appra  | 55                 | Peripheral vascul         |
| 10                    | 051R0AY              | Bypass R Verteb Vein to Up Vein w Autol Art, Open          | 55                 | Peripheral vascul         |
| 10                    | 051R0JY              | Bypass R Verteb Vein to Up Vein w Synth Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 051R0KY              | Bypass R Verteb Vein to Up Vein w Nonaut Sub, Open         | 55                 | Peripheral vascul         |
| 10                    | 051R0ZY              | Bypass Right Vertebral Vein to Upper Vein, Open Approach   | 55                 | Peripheral vascul         |
| 10                    | 051R47Y              | Bypass R Verteb Vein to Up Vein w Autol Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051R49Y              | Bypass R Verteb Vein to Up Vein w Autol Vn, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 051R4AY              | Bypass R Verteb Vein to Up Vein w Autol Art, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051R4JY              | Bypass R Verteb Vein to Up Vein w Synth Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051R4KY              | Bypass R Verteb Vein to Up Vein w Nonaut Sub, Perc Endo    | 55                 | Peripheral vascul         |
| 10                    | 051R4ZY              | Bypass Right Vertebral Vein to Up Vein, Perc Endo Approach | 55                 | Peripheral vascul         |
| 10                    | 051S07Y              | Bypass L Verteb Vein to Up Vein w Autol Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 051S09Y              | Bypass L Verteb Vein to Up Vein with Autol Vn, Open Appra  | 55                 | Peripheral vascul         |
| 10                    | 051S0AY              | Bypass L Verteb Vein to Up Vein w Autol Art, Open          | 55                 | Peripheral vascul         |
| 10                    | 051S0JY              | Bypass L Verteb Vein to Up Vein w Synth Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 051S0KY              | Bypass L Verteb Vein to Up Vein w Nonaut Sub, Open         | 55                 | Peripheral vascul         |
| 10                    | 051S0ZY              | Bypass Left Vertebral Vein to Upper Vein, Open Approach    | 55                 | Peripheral vascul         |
| 10                    | 051S47Y              | Bypass L Verteb Vein to Up Vein w Autol Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051S49Y              | Bypass L Verteb Vein to Up Vein w Autol Vn, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 051S4AY              | Bypass L Verteb Vein to Up Vein w Autol Art, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051S4JY              | Bypass L Verteb Vein to Up Vein w Synth Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 051S4KY              | Bypass L Verteb Vein to Up Vein w Nonaut Sub, Perc Endo    | 55                 | Peripheral vascul         |
| 10                    | 051S4ZY              | Bypass Left Vertebral Vein to Upper Vein, Perc Endo Appra  | 55                 | Peripheral vascul         |
| 10                    | 051T07Y              | Bypass R Face Vein to Up Vein with Autol Sub, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051T09Y              | Bypass R Face Vein to Up Vein with Autol Vn, Open Approach | 55                 | Peripheral vascul         |
| 10                    | 051T0AY              | Bypass R Face Vein to Up Vein with Autol Art, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051T0JY              | Bypass R Face Vein to Up Vein with Synth Sub, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051T0KY              | Bypass R Face Vein to Up Vein with Nonaut Sub, Open Appra  | 55                 | Peripheral vascul         |
| 10                    | 051T0ZY              | Bypass Right Face Vein to Upper Vein, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 051T47Y              | Bypass R Face Vein to Up Vein w Autol Sub, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051T49Y              | Bypass R Face Vein to Up Vein w Autol Vn, Perc Endo        | 55                 | Peripheral vascul         |
| 10                    | 051T4AY              | Bypass R Face Vein to Up Vein w Autol Art, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051T4JY              | Bypass R Face Vein to Up Vein w Synth Sub, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051T4KY              | Bypass R Face Vein to Up Vein w Nonaut Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 051T4ZY              | Bypass Right Face Vein to Upper Vein, Perc Endo Approach   | 55                 | Peripheral vascul         |
| 10                    | 051V07Y              | Bypass L Face Vein to Up Vein with Autol Sub, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051V09Y              | Bypass L Face Vein to Up Vein with Autol Vn, Open Approach | 55                 | Peripheral vascul         |
| 10                    | 051V0AY              | Bypass L Face Vein to Up Vein with Autol Art, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051V0JY              | Bypass L Face Vein to Up Vein with Synth Sub, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 051V0KY              | Bypass L Face Vein to Up Vein with Nonaut Sub, Open Appra  | 55                 | Peripheral vascul         |
| 10                    | 051V0ZY              | Bypass Left Face Vein to Upper Vein, Open Approach         | 55                 | Peripheral vascul         |
| 10                    | 051V47Y              | Bypass L Face Vein to Up Vein w Autol Sub, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051V49Y              | Bypass L Face Vein to Up Vein w Autol Vn, Perc Endo        | 55                 | Peripheral vascul         |
| 10                    | 051V4AY              | Bypass L Face Vein to Up Vein w Autol Art, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051V4JY              | Bypass L Face Vein to Up Vein w Synth Sub, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 051V4KY              | Bypass L Face Vein to Up Vein w Nonaut Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 051V4ZY              | Bypass Left Face Vein to Upper Vein, Perc Endo Approach    | 55                 | Peripheral vascul         |
| 10                    | 055L0ZZ              | Destruction of Intracranial Vein, Open Approach            | 59                 | Other OR procedur         |
| 10                    | 055L3ZZ              | Destruction of Intracranial Vein, Percutaneous Approach    | 59                 | Other OR procedur         |
| 10                    | 055L4ZZ              | Destruction of Intracranial Vein, Perc Endo Approach       | 59                 | Other OR procedur         |
| 10                    | 055M0ZZ              | Destruction of Right Internal Jugular Vein, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 055M3ZZ              | Destruction of Right Internal Jugular Vein, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 055M4ZZ              | Destruction of R Int Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur         |
| 10                    | 055N0ZZ              | Destruction of Left Internal Jugular Vein, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 055N3ZZ              | Destruction of Left Internal Jugular Vein, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 055N4ZZ              | Destruction of L Int Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur         |
| 10                    | 055P0ZZ              | Destruction of Right External Jugular Vein, Open Approach  | 59                 | Other OR procedur         |
| 10                    | 055P3ZZ              | Destruction of Right External Jugular Vein, Perc Approach  | 59                 | Other OR procedur         |
| 10                    | 055P4ZZ              | Destruction of R Ext Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur         |
| 10                    | 055Q0ZZ              | Destruction of Left External Jugular Vein, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 055Q3ZZ              | Destruction of Left External Jugular Vein, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 055Q4ZZ              | Destruction of L Ext Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur         |
| 10                    | 055R0ZZ              | Destruction of Right Vertebral Vein, Open Approach         | 59                 | Other OR procedur         |
| 10                    | 055R3ZZ              | Destruction of Right Vertebral Vein, Percutaneous Approach | 59                 | Other OR procedur         |
| 10                    | 055R4ZZ              | Destruction of Right Vertebral Vein, Perc Endo Approach    | 59                 | Other OR procedur         |
| 10                    | 055S0ZZ              | Destruction of Left Vertebral Vein, Open Approach          | 59                 | Other OR procedur         |
| 10                    | 055S3ZZ              | Destruction of Left Vertebral Vein, Percutaneous Approach  | 59                 | Other OR procedur         |
| 10                    | 055S4ZZ              | Destruction of Left Vertebral Vein, Perc Endo Approach     | 59                 | Other OR procedur         |
| 10                    | 055T0ZZ              | Destruction of Right Face Vein, Open Approach              | 59                 | Other OR procedur         |
| 10                    | 055T3ZZ              | Destruction of Right Face Vein, Percutaneous Approach      | 59                 | Other OR procedur         |
| 10                    | 055T4ZZ              | Destruction of Right Face Vein, Perc Endo Approach         | 59                 | Other OR procedur         |
| 10                    | 055V0ZZ              | Destruction of Left Face Vein, Open Approach               | 59                 | Other OR procedur         |
| 10                    | 055V3ZZ              | Destruction of Left Face Vein, Percutaneous Approach       | 59                 | Other OR procedur         |
| 10                    | 055V4ZZ              | Destruction of Left Face Vein, Perc Endo Approach          | 59                 | Other OR procedur         |
| 10                    | 057L0DZ              | Dilation of Intracran Vein with Intralum Dev, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 057L0ZZ              | Dilation of Intracranial Vein, Open Approach               | 59                 | Other OR procedur         |
| 10                    | 057L3DZ              | Dilation of Intracran Vein with Intralum Dev, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 057L3ZZ              | Dilation of Intracranial Vein, Percutaneous Approach       | 59                 | Other OR procedur         |
| 10                    | 057L4DZ              | Dilate Intracran Vein w Intralum Dev, Perc Endo            | 59                 | Other OR procedur         |
| 10                    | 057L4ZZ              | Dilation of Intracranial Vein, Perc Endo Approach          | 59                 | Other OR procedur         |
| 10                    | 057M0DZ              | Dilate R Int Jugular Vein w Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 057M0ZZ              | Dilation of Right Internal Jugular Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 057M3DZ              | Dilate R Int Jugular Vein w Intralum Dev, Perc             | 59                 | Other OR procedur         |
| 10                    | 057M3ZZ              | Dilation of Right Internal Jugular Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 057M4DZ              | Dilate R Int Jugular Vein w Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 057M4ZZ              | Dilation of Right Internal Jugular Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 057N0DZ              | Dilate L Int Jugular Vein w Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 057N0ZZ              | Dilation of Left Internal Jugular Vein, Open Approach      | 59                 | Other OR procedur         |
| 10                    | 057N3DZ              | Dilate L Int Jugular Vein w Intralum Dev, Perc             | 59                 | Other OR procedur         |
| 10                    | 057N3ZZ              | Dilation of Left Internal Jugular Vein, Perc Approach      | 59                 | Other OR procedur         |
| 10                    | 057N4DZ              | Dilate L Int Jugular Vein w Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 057N4ZZ              | Dilation of Left Internal Jugular Vein, Perc Endo Approach | 59                 | Other OR procedur         |
| 10                    | 057P0DZ              | Dilate R Ext Jugular Vein w Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 057P0ZZ              | Dilation of Right External Jugular Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 057P3DZ              | Dilate R Ext Jugular Vein w Intralum Dev, Perc             | 59                 | Other OR procedur         |
| 10                    | 057P3ZZ              | Dilation of Right External Jugular Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 057P4DZ              | Dilate R Ext Jugular Vein w Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 057P4ZZ              | Dilation of Right External Jugular Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 057Q0DZ              | Dilate L Ext Jugular Vein w Intralum Dev, Open             | 59                 | Other OR procedur         |
| 10                    | 057Q0ZZ              | Dilation of Left External Jugular Vein, Open Approach      | 59                 | Other OR procedur         |
| 10                    | 057Q3DZ              | Dilate L Ext Jugular Vein w Intralum Dev, Perc             | 59                 | Other OR procedur         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 057Q3ZZ              | Dilation of Left External Jugular Vein, Perc Approach      | 59                 | Other OR procedur         |
| 10                    | 057Q4DZ              | Dilate L Ext Jugular Vein w Intralum Dev, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 057Q4ZZ              | Dilation of Left External Jugular Vein, Perc Endo Approach | 59                 | Other OR procedur         |
| 10                    | 057R0DZ              | Dilation of R Verteb Vein with Intralum Dev, Open Approach | 59                 | Other OR procedur         |
| 10                    | 057R0ZZ              | Dilation of Right Vertebral Vein, Open Approach            | 59                 | Other OR procedur         |
| 10                    | 057R3DZ              | Dilation of R Verteb Vein with Intralum Dev, Perc Approach | 59                 | Other OR procedur         |
| 10                    | 057R3ZZ              | Dilation of Right Vertebral Vein, Percutaneous Approach    | 59                 | Other OR procedur         |
| 10                    | 057R4DZ              | Dilate R Verteb Vein w Intralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 057R4ZZ              | Dilation of Right Vertebral Vein, Perc Endo Approach       | 59                 | Other OR procedur         |
| 10                    | 05750DZ              | Dilation of L Verteb Vein with Intralum Dev, Open Approach | 59                 | Other OR procedur         |
| 10                    | 05750ZZ              | Dilation of Left Vertebral Vein, Open Approach             | 59                 | Other OR procedur         |
| 10                    | 05753DZ              | Dilation of L Verteb Vein with Intralum Dev, Perc Approach | 59                 | Other OR procedur         |
| 10                    | 05753ZZ              | Dilation of Left Vertebral Vein, Percutaneous Approach     | 59                 | Other OR procedur         |
| 10                    | 05754DZ              | Dilate L Verteb Vein w Intralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05754ZZ              | Dilation of Left Vertebral Vein, Perc Endo Approach        | 59                 | Other OR procedur         |
| 10                    | 05770DZ              | Dilation of Right Face Vein with Intralum Dev, Open Approa | 59                 | Other OR procedur         |
| 10                    | 05770ZZ              | Dilation of Right Face Vein, Open Approach                 | 59                 | Other OR procedur         |
| 10                    | 05773DZ              | Dilation of Right Face Vein with Intralum Dev, Perc Approa | 59                 | Other OR procedur         |
| 10                    | 05773ZZ              | Dilation of Right Face Vein, Percutaneous Approach         | 59                 | Other OR procedur         |
| 10                    | 05774DZ              | Dilate of R Face Vein with Intralum Dev, Perc Endo Approac | 59                 | Other OR procedur         |
| 10                    | 05774ZZ              | Dilation of Right Face Vein, Perc Endo Approach            | 59                 | Other OR procedur         |
| 10                    | 057V0DZ              | Dilation of Left Face Vein with Intralum Dev, Open Approac | 59                 | Other OR procedur         |
| 10                    | 057V0ZZ              | Dilation of Left Face Vein, Open Approach                  | 59                 | Other OR procedur         |
| 10                    | 057V3DZ              | Dilation of Left Face Vein with Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 057V3ZZ              | Dilation of Left Face Vein, Percutaneous Approach          | 59                 | Other OR procedur         |
| 10                    | 057V4DZ              | Dilate of L Face Vein with Intralum Dev, Perc Endo Approac | 59                 | Other OR procedur         |
| 10                    | 057V4ZZ              | Dilation of Left Face Vein, Percutaneous Endoscopic Approa | 59                 | Other OR procedur         |
| 10                    | 05900ZX              | Drainage of Azygos Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 05903ZX              | Drainage of Azygos Vein, Percutaneous Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 05904ZX              | Drainage of Azygos Vein, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 05910ZX              | Drainage of Hemiazygos Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 05913ZX              | Drainage of Hemiazygos Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 05914ZX              | Drainage of Hemiazygos Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05930ZX              | Drainage of Right Innominate Vein, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 05933ZX              | Drainage of Right Innominate Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05934ZX              | Drainage of Right Innominate Vein, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 05940ZX              | Drainage of Left Innominate Vein, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 05943ZX              | Drainage of Left Innominate Vein, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05944ZX              | Drainage of Left Innominate Vein, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 05950ZX              | Drainage of Right Subclavian Vein, Open Approach, Diagnost | 62                 | Other diagnostic          |
| 10                    | 05953ZX              | Drainage of Right Subclavian Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05954ZX              | Drainage of Right Subclavian Vein, Perc Endo Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 05960ZX              | Drainage of Left Subclavian Vein, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 05963ZX              | Drainage of Left Subclavian Vein, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05964ZX              | Drainage of Left Subclavian Vein, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 05970ZX              | Drainage of Right Axillary Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 05973ZX              | Drainage of Right Axillary Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 05974ZX              | Drainage of Right Axillary Vein, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 05980ZX              | Drainage of Left Axillary Vein, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 05983ZX              | Drainage of Left Axillary Vein, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 05984ZX              | Drainage of Left Axillary Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 05990ZX              | Drainage of Right Brachial Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 05993ZX              | Drainage of Right Brachial Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 05994ZX              | Drainage of Right Brachial Vein, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 059A0ZX              | Drainage of Left Brachial Vein, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 059A3ZX              | Drainage of Left Brachial Vein, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059A4ZX              | Drainage of Left Brachial Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059B0ZX              | Drainage of Right Basilic Vein, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 059B3ZX              | Drainage of Right Basilic Vein, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059B4ZX              | Drainage of Right Basilic Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059C0ZX              | Drainage of Left Basilic Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 059C3ZX              | Drainage of Left Basilic Vein, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 059C4ZX              | Drainage of Left Basilic Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 059D0ZX              | Drainage of Right Cephalic Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 059D3ZX              | Drainage of Right Cephalic Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 059D4ZX              | Drainage of Right Cephalic Vein, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 059F0ZX              | Drainage of Left Cephalic Vein, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 059F3ZX              | Drainage of Left Cephalic Vein, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059F4ZX              | Drainage of Left Cephalic Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059G0ZX              | Drainage of Right Hand Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 059G3ZX              | Drainage of Right Hand Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059G4ZX              | Drainage of Right Hand Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 059H0ZX              | Drainage of Left Hand Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 059H3ZX              | Drainage of Left Hand Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 059H4ZX              | Drainage of Left Hand Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 059L0ZX              | Drainage of Intracranial Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 059L3ZX              | Drainage of Intracranial Vein, Percutaneous Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 059L4ZX              | Drainage of Intracranial Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 059M0ZX              | Drainage of R Int Jugular Vein, Open Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 059M3ZX              | Drainage of R Int Jugular Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 059M4ZX              | Drainage of R Int Jugular Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059N0ZX              | Drainage of Left Internal Jugular Vein, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059N3ZX              | Drainage of Left Internal Jugular Vein, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059N4ZX              | Drainage of L Int Jugular Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059P0ZX              | Drainage of R Ext Jugular Vein, Open Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 059P3ZX              | Drainage of R Ext Jugular Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 059P4ZX              | Drainage of R Ext Jugular Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059Q0ZX              | Drainage of Left External Jugular Vein, Open Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059Q3ZX              | Drainage of Left External Jugular Vein, Perc Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 059Q4ZX              | Drainage of L Ext Jugular Vein, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059R0ZX              | Drainage of Right Vertebral Vein, Open Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 059R3ZX              | Drainage of Right Vertebral Vein, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 059R4ZX              | Drainage of Right Vertebral Vein, Perc Endo Approach, Diag | 62                 | Other diagnostic          |
| 10                    | 059S0ZX              | Drainage of Left Vertebral Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 059S3ZX              | Drainage of Left Vertebral Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 059S4ZX              | Drainage of Left Vertebral Vein, Perc Endo Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 059T0ZX              | Drainage of Right Face Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 059T3ZX              | Drainage of Right Face Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 059T4ZX              | Drainage of Right Face Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 059V0ZX              | Drainage of Left Face Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 059V3ZX              | Drainage of Left Face Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 059V4ZX              | Drainage of Left Face Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 059Y0ZX              | Drainage of Upper Vein, Open Approach, Diagnostic          | 62                 | Other diagnostic          |
| 10                    | 059Y3ZX              | Drainage of Upper Vein, Percutaneous Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 059Y4ZX              | Drainage of Upper Vein, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 05800ZX              | Excision of Azygos Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 05B03ZX              | Excision of Azygos Vein, Percutaneous Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 05B04ZX              | Excision of Azygos Vein, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 05B10ZX              | Excision of Hemiazygos Vein, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 05B13ZX              | Excision of Hemiazygos Vein, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05B14ZX              | Excision of Hemiazygos Vein, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05B30ZX              | Excision of Right Innominate Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 05B33ZX              | Excision of Right Innominate Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 05B34ZX              | Excision of Right Innominate Vein, Perc Endo Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05B40ZX              | Excision of Left Innominate Vein, Open Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 05B43ZX              | Excision of Left Innominate Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05B44ZX              | Excision of Left Innominate Vein, Perc Endo Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 05B50ZX              | Excision of Right Subclavian Vein, Open Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 05B53ZX              | Excision of Right Subclavian Vein, Perc Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 05B54ZX              | Excision of Right Subclavian Vein, Perc Endo Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05B60ZX              | Excision of Left Subclavian Vein, Open Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 05B63ZX              | Excision of Left Subclavian Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05B64ZX              | Excision of Left Subclavian Vein, Perc Endo Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 05B70ZX              | Excision of Right Axillary Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 05B73ZX              | Excision of Right Axillary Vein, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05B74ZX              | Excision of Right Axillary Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 05B80ZX              | Excision of Left Axillary Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 05B83ZX              | Excision of Left Axillary Vein, Percutaneous Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05B84ZX              | Excision of Left Axillary Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05B90ZX              | Excision of Right Brachial Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 05B93ZX              | Excision of Right Brachial Vein, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05B94ZX              | Excision of Right Brachial Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 05BA0ZX              | Excision of Left Brachial Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 05BA3ZX              | Excision of Left Brachial Vein, Percutaneous Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BA4ZX              | Excision of Left Brachial Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05B80ZX              | Excision of Right Basilic Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 05B83ZX              | Excision of Right Basilic Vein, Percutaneous Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05B84ZX              | Excision of Right Basilic Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BC0ZX              | Excision of Left Basilic Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 05BC3ZX              | Excision of Left Basilic Vein, Percutaneous Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 05BC4ZX              | Excision of Left Basilic Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05BD0ZX              | Excision of Right Cephalic Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 05BD3ZX              | Excision of Right Cephalic Vein, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05BD4ZX              | Excision of Right Cephalic Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 05BF0ZX              | Excision of Left Cephalic Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 05BF3ZX              | Excision of Left Cephalic Vein, Percutaneous Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BF4ZX              | Excision of Left Cephalic Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BG0ZX              | Excision of Right Hand Vein, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 05BG3ZX              | Excision of Right Hand Vein, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BG4ZX              | Excision of Right Hand Vein, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05BH0ZX              | Excision of Left Hand Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 05BH3ZX              | Excision of Left Hand Vein, Percutaneous Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05BH4ZX              | Excision of Left Hand Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05BL0ZX              | Excision of Intracranial Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 05BL0ZZ              | Excision of Intracranial Vein, Open Approach                 | 59                 | Other OR procedur         |
| 10                    | 05BL3ZX              | Excision of Intracranial Vein, Percutaneous Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 05BL3ZZ              | Excision of Intracranial Vein, Percutaneous Approach         | 59                 | Other OR procedur         |
| 10                    | 05BL4ZX              | Excision of Intracranial Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05BL4ZZ              | Excision of Intracranial Vein, Perc Endo Approach            | 59                 | Other OR procedur         |
| 10                    | 05BM0ZX              | Excision of R Int Jugular Vein, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 05BM0ZZ              | Excision of Right Internal Jugular Vein, Open Approach       | 59                 | Other OR procedur         |
| 10                    | 05BM3ZX              | Excision of R Int Jugular Vein, Perc Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 05BM3ZZ              | Excision of Right Internal Jugular Vein, Perc Approach       | 59                 | Other OR procedur         |
| 10                    | 05BM4ZX              | Excision of R Int Jugular Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BM4ZZ              | Excision of Right Internal Jugular Vein, Perc Endo Approac   | 59                 | Other OR procedur         |
| 10                    | 05BN0ZX              | Excision of Left Internal Jugular Vein, Open Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BN0ZZ              | Excision of Left Internal Jugular Vein, Open Approach        | 59                 | Other OR procedur         |
| 10                    | 05BN3ZX              | Excision of Left Internal Jugular Vein, Perc Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BN3ZZ              | Excision of Left Internal Jugular Vein, Perc Approach        | 59                 | Other OR procedur         |
| 10                    | 05BN4ZX              | Excision of L Int Jugular Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BN4ZZ              | Excision of Left Internal Jugular Vein, Perc Endo Approach   | 59                 | Other OR procedur         |
| 10                    | 05BP0ZX              | Excision of R Ext Jugular Vein, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 05BP0ZZ              | Excision of Right External Jugular Vein, Open Approach       | 59                 | Other OR procedur         |
| 10                    | 05BP3ZX              | Excision of R Ext Jugular Vein, Perc Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 05BP3ZZ              | Excision of Right External Jugular Vein, Perc Approach       | 59                 | Other OR procedur         |
| 10                    | 05BP4ZX              | Excision of R Ext Jugular Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BP4ZZ              | Excision of Right External Jugular Vein, Perc Endo Approac   | 59                 | Other OR procedur         |
| 10                    | 05BQ0ZX              | Excision of Left External Jugular Vein, Open Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BQ0ZZ              | Excision of Left External Jugular Vein, Open Approach        | 59                 | Other OR procedur         |
| 10                    | 05BQ3ZX              | Excision of Left External Jugular Vein, Perc Approach, Dia   | 62                 | Other diagnostic          |
| 10                    | 05BQ3ZZ              | Excision of Left External Jugular Vein, Perc Approach        | 59                 | Other OR procedur         |
| 10                    | 05BQ4ZX              | Excision of L Ext Jugular Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BQ4ZZ              | Excision of Left External Jugular Vein, Perc Endo Approach   | 59                 | Other OR procedur         |
| 10                    | 05BR0ZX              | Excision of Right Vertebral Vein, Open Approach, Diagnosti   | 62                 | Other diagnostic          |
| 10                    | 05BR0ZZ              | Excision of Right Vertebral Vein, Open Approach              | 59                 | Other OR procedur         |
| 10                    | 05BR3ZX              | Excision of Right Vertebral Vein, Perc Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05BR3ZZ              | Excision of Right Vertebral Vein, Percutaneous Approach      | 59                 | Other OR procedur         |
| 10                    | 05BR4ZX              | Excision of Right Vertebral Vein, Perc Endo Approach, Diag   | 62                 | Other diagnostic          |
| 10                    | 05BR4ZZ              | Excision of Right Vertebral Vein, Perc Endo Approach         | 59                 | Other OR procedur         |
| 10                    | 05BS0ZX              | Excision of Left Vertebral Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 05BS0ZZ              | Excision of Left Vertebral Vein, Open Approach               | 59                 | Other OR procedur         |
| 10                    | 05BS3ZX              | Excision of Left Vertebral Vein, Perc Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05BS3ZZ              | Excision of Left Vertebral Vein, Percutaneous Approach       | 59                 | Other OR procedur         |
| 10                    | 05BS4ZX              | Excision of Left Vertebral Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 05BS4ZZ              | Excision of Left Vertebral Vein, Perc Endo Approach          | 59                 | Other OR procedur         |
| 10                    | 05BT0ZX              | Excision of Right Face Vein, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 05BT0ZZ              | Excision of Right Face Vein, Open Approach                   | 59                 | Other OR procedur         |
| 10                    | 05BT3ZX              | Excision of Right Face Vein, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 05BT3ZZ              | Excision of Right Face Vein, Percutaneous Approach           | 59                 | Other OR procedur         |
| 10                    | 05BT4ZX              | Excision of Right Face Vein, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 05BT4ZZ              | Excision of Right Face Vein, Perc Endo Approach              | 59                 | Other OR procedur         |
| 10                    | 05BV0ZX              | Excision of Left Face Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 05BV0ZZ              | Excision of Left Face Vein, Open Approach                    | 59                 | Other OR procedur         |
| 10                    | 05BV3ZX              | Excision of Left Face Vein, Percutaneous Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 05BV3ZZ              | Excision of Left Face Vein, Percutaneous Approach            | 59                 | Other OR procedur         |
| 10                    | 05BV4ZX              | Excision of Left Face Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 05BV4ZZ              | Excision of Left Face Vein, Percutaneous Endoscopic Approa   | 59                 | Other OR procedur         |
| 10                    | 05BY0ZX              | Excision of Upper Vein, Open Approach, Diagnostic            | 62                 | Other diagnostic          |
| 10                    | 05BY3ZX              | Excision of Upper Vein, Percutaneous Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 05BY4ZX              | Excision of Upper Vein, Perc Endo Approach, Diagn            | 62                 | Other diagnostic          |
| 10                    | 05CL0ZZ              | Extripation of Matter from Intracranial Vein, Open Approac   | 59                 | Other OR procedur         |
| 10                    | 05CL3ZZ              | Extripation of Matter from Intracranial Vein, Perc Approac   | 59                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 05CL4ZZ              | Extirpate of Matter from Intracran Vein, Perc Endo Approa   | 59                 | Other OR procedur         |
| 10                    | 05CM0ZZ              | Extirpation of Matter from R Int Jugular Vein, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05CM3ZZ              | Extirpation of Matter from R Int Jugular Vein, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05CM4ZZ              | Extirpate matter from R Int Jugular Vein, Perc Endo         | 59                 | Other OR procedur         |
| 10                    | 05CN0ZZ              | Extirpation of Matter from L Int Jugular Vein, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05CN3ZZ              | Extirpation of Matter from L Int Jugular Vein, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05CN4ZZ              | Extirpate matter from L Int Jugular Vein, Perc Endo         | 59                 | Other OR procedur         |
| 10                    | 05CP0ZZ              | Extirpation of Matter from R Ext Jugular Vein, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05CP3ZZ              | Extirpation of Matter from R Ext Jugular Vein, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05CP4ZZ              | Extirpate matter from R Ext Jugular Vein, Perc Endo         | 59                 | Other OR procedur         |
| 10                    | 05CQ0ZZ              | Extirpation of Matter from L Ext Jugular Vein, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05CQ3ZZ              | Extirpation of Matter from L Ext Jugular Vein, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05CQ4ZZ              | Extirpate matter from L Ext Jugular Vein, Perc Endo         | 59                 | Other OR procedur         |
| 10                    | 05CR0ZZ              | Extirpation of Matter from R Verteb Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 05CR3ZZ              | Extirpation of Matter from R Verteb Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 05CR4ZZ              | Extirpation of Matter from R Verteb Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 05CS0ZZ              | Extirpation of Matter from L Verteb Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 05CS3ZZ              | Extirpation of Matter from L Verteb Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 05CS4ZZ              | Extirpation of Matter from L Verteb Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 05CT0ZZ              | Extirpation of Matter from Right Face Vein, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 05CT3ZZ              | Extirpation of Matter from Right Face Vein, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 05CT4ZZ              | Extirpation of Matter from R Face Vein, Perc Endo Approach  | 59                 | Other OR procedur         |
| 10                    | 05CV0ZZ              | Extirpation of Matter from Left Face Vein, Open Approach    | 59                 | Other OR procedur         |
| 10                    | 05CV3ZZ              | Extirpation of Matter from Left Face Vein, Perc Approach    | 59                 | Other OR procedur         |
| 10                    | 05CV4ZZ              | Extirpation of Matter from L Face Vein, Perc Endo Approach  | 59                 | Other OR procedur         |
| 10                    | 05HQ0ZZ              | Insertion of Monitor Dev into Azygos Vein, Open Approach    | 62                 | Other diagnostic          |
| 10                    | 05HQ3ZZ              | Insertion of Monitor Dev into Azygos Vein, Perc Approach    | 62                 | Other diagnostic          |
| 10                    | 05HQ4ZZ              | Insert of Monitor Dev into Azygos Vein, Perc Endo Approach  | 62                 | Other diagnostic          |
| 10                    | 05HL0DZ              | Insertion of Intralum Dev into Intracran Vein, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05HL3DZ              | Insertion of Intralum Dev into Intracran Vein, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05HL4DZ              | Insert Intralum Dev in Intracran Vein, Perc Endo            | 59                 | Other OR procedur         |
| 10                    | 05HM0DZ              | Insert Intralum Dev in R Int Jugular Vein, Open             | 59                 | Other OR procedur         |
| 10                    | 05HM3DZ              | Insert Intralum Dev in R Int Jugular Vein, Perc             | 59                 | Other OR procedur         |
| 10                    | 05HM4DZ              | Insert Intralum Dev in R Int Jugular Vein, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 05HN0DZ              | Insert Intralum Dev in L Int Jugular Vein, Open             | 59                 | Other OR procedur         |
| 10                    | 05HN3DZ              | Insert Intralum Dev in L Int Jugular Vein, Perc             | 59                 | Other OR procedur         |
| 10                    | 05HN4DZ              | Insert Intralum Dev in L Int Jugular Vein, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 05HP0DZ              | Insert Intralum Dev in R Ext Jugular Vein, Open             | 59                 | Other OR procedur         |
| 10                    | 05HP3DZ              | Insert Intralum Dev in R Ext Jugular Vein, Perc             | 59                 | Other OR procedur         |
| 10                    | 05HP4DZ              | Insert Intralum Dev in R Ext Jugular Vein, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 05HQ0DZ              | Insert Intralum Dev in L Ext Jugular Vein, Open             | 59                 | Other OR procedur         |
| 10                    | 05HQ3DZ              | Insert Intralum Dev in L Ext Jugular Vein, Perc             | 59                 | Other OR procedur         |
| 10                    | 05HQ4DZ              | Insert Intralum Dev in L Ext Jugular Vein, Perc Endo        | 59                 | Other OR procedur         |
| 10                    | 05HR0DZ              | Insertion of Intralum Dev into R Verteb Vein, Open Approa   | 59                 | Other OR procedur         |
| 10                    | 05HR3DZ              | Insertion of Intralum Dev into R Verteb Vein, Perc Approa   | 59                 | Other OR procedur         |
| 10                    | 05HR4DZ              | Insert Intralum Dev in R Verteb Vein, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05HS0DZ              | Insertion of Intralum Dev into L Verteb Vein, Open Approa   | 59                 | Other OR procedur         |
| 10                    | 05HS3DZ              | Insertion of Intralum Dev into L Verteb Vein, Perc Approa   | 59                 | Other OR procedur         |
| 10                    | 05HS4DZ              | Insert Intralum Dev in L Verteb Vein, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05HT0DZ              | Insertion of Intralum Dev into R Face Vein, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 05HT3DZ              | Insertion of Intralum Dev into R Face Vein, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 05HT4DZ              | Insert of Intralum Dev into R Face Vein, Perc Endo Approach | 59                 | Other OR procedur         |
| 10                    | 05HV0DZ              | Insertion of Intralum Dev into L Face Vein, Open Approach   | 59                 | Other OR procedur         |
| 10                    | 05HV3DZ              | Insertion of Intralum Dev into L Face Vein, Perc Approach   | 59                 | Other OR procedur         |
| 10                    | 05HV4DZ              | Insert of Intralum Dev into L Face Vein, Perc Endo Approach | 59                 | Other OR procedur         |
| 10                    | 05HY0ZZ              | Insertion of Monitoring Device into Up Vein, Open Approach  | 62                 | Other diagnostic          |
| 10                    | 05HY3ZZ              | Insertion of Monitoring Device into Up Vein, Perc Approach  | 62                 | Other diagnostic          |
| 10                    | 05HY4ZZ              | Insertion of Monitor Dev into Up Vein, Perc Endo Approach   | 62                 | Other diagnostic          |
| 10                    | 05JY0ZZ              | Inspection of Upper Vein, Open Approach                     | 62                 | Other diagnostic          |
| 10                    | 05JY3ZZ              | Inspection of Upper Vein, Percutaneous Approach             | 62                 | Other diagnostic          |
| 10                    | 05JY4ZZ              | Inspection of Upper Vein, Percutaneous Endoscopic Approach  | 62                 | Other diagnostic          |
| 10                    | 05JYXZZ              | Inspection of Upper Vein, External Approach                 | 62                 | Other diagnostic          |
| 10                    | 05L0CZ               | Occlusion of Intracran Vein with Extralum Dev, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05L0DZ               | Occlusion of Intracran Vein with Intralum Dev, Open Approa  | 59                 | Other OR procedur         |
| 10                    | 05L0ZZ               | Occlusion of Intracranial Vein, Open Approach               | 59                 | Other OR procedur         |
| 10                    | 05L3CZ               | Occlusion of Intracran Vein with Extralum Dev, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05L3DZ               | Occlusion of Intracran Vein with Intralum Dev, Perc Approa  | 59                 | Other OR procedur         |
| 10                    | 05L3ZZ               | Occlusion of Intracranial Vein, Percutaneous Approach       | 59                 | Other OR procedur         |
| 10                    | 05L4CZ               | Occlusion Intracran Vein w Extralum Dev, Perc Endo          | 59                 | Other OR procedur         |
| 10                    | 05L4DZ               | Occlusion Intracran Vein w Intralum Dev, Perc Endo          | 59                 | Other OR procedur         |
| 10                    | 05L4ZZ               | Occlusion of Intracranial Vein, Perc Endo Approach          | 59                 | Other OR procedur         |
| 10                    | 05LM0CZ              | Occlusion R Int Jugular Vein w Extralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LM0DZ              | Occlusion R Int Jugular Vein w Intralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LM0ZZ              | Occlusion of Right Internal Jugular Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 05LM3CZ              | Occlusion R Int Jugular Vein w Extralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LM3DZ              | Occlusion R Int Jugular Vein w Intralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LM3ZZ              | Occlusion of Right Internal Jugular Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 05LM4CZ              | Occlusion R Int Jugular Vein w Extralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LM4DZ              | Occlusion R Int Jugular Vein w Intralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LM4ZZ              | Occlusion of Right Internal Jugular Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 05LN0CZ              | Occlusion L Int Jugular Vein w Extralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LN0DZ              | Occlusion L Int Jugular Vein w Intralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LN0ZZ              | Occlusion of Left Internal Jugular Vein, Open Approach      | 59                 | Other OR procedur         |
| 10                    | 05LN3CZ              | Occlusion L Int Jugular Vein w Extralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LN3DZ              | Occlusion L Int Jugular Vein w Intralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LN3ZZ              | Occlusion of Left Internal Jugular Vein, Perc Approach      | 59                 | Other OR procedur         |
| 10                    | 05LN4CZ              | Occlusion L Int Jugular Vein w Extralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LN4DZ              | Occlusion L Int Jugular Vein w Intralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LN4ZZ              | Occlusion of Left Internal Jugular Vein, Perc Endo Approa   | 59                 | Other OR procedur         |
| 10                    | 05LP0CZ              | Occlusion R Ext Jugular Vein w Extralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LP0DZ              | Occlusion R Ext Jugular Vein w Intralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LP0ZZ              | Occlusion of Right External Jugular Vein, Open Approach     | 59                 | Other OR procedur         |
| 10                    | 05LP3CZ              | Occlusion R Ext Jugular Vein w Extralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LP3DZ              | Occlusion R Ext Jugular Vein w Intralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LP3ZZ              | Occlusion of Right External Jugular Vein, Perc Approach     | 59                 | Other OR procedur         |
| 10                    | 05LP4CZ              | Occlusion R Ext Jugular Vein w Extralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LP4DZ              | Occlusion R Ext Jugular Vein w Intralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LP4ZZ              | Occlusion of Right External Jugular Vein, Perc Endo Approa  | 59                 | Other OR procedur         |
| 10                    | 05LQ0CZ              | Occlusion L Ext Jugular Vein w Extralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LQ0DZ              | Occlusion L Ext Jugular Vein w Intralum Dev, Open           | 59                 | Other OR procedur         |
| 10                    | 05LQ0ZZ              | Occlusion of Left External Jugular Vein, Open Approach      | 59                 | Other OR procedur         |
| 10                    | 05LQ3CZ              | Occlusion L Ext Jugular Vein w Extralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LQ3DZ              | Occlusion L Ext Jugular Vein w Intralum Dev, Perc           | 59                 | Other OR procedur         |
| 10                    | 05LQ3ZZ              | Occlusion of Left External Jugular Vein, Perc Approach      | 59                 | Other OR procedur         |
| 10                    | 05LQ4CZ              | Occlusion L Ext Jugular Vein w Extralum Dev, Perc Endo      | 59                 | Other OR procedur         |
| 10                    | 05LQ4DZ              | Occlusion L Ext Jugular Vein w Intralum Dev, Perc Endo      | 59                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 05LQ4ZZ              | Occlusion of Left External Jugular Vein, Perc Endo Approac | 59                 | Other OR procedur          |
| 10                    | 05LR0CZ              | Occlusion of R Verteb Vein with Extralum Dev, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05LR0DZ              | Occlusion of R Verteb Vein with Intralum Dev, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05LR0ZZ              | Occlusion of R Verteb Vein with Extralum Dev, Perc Approac | 59                 | Other OR procedur          |
| 10                    | 05LR3CZ              | Occlusion of R Verteb Vein with Extralum Dev, Perc Approac | 59                 | Other OR procedur          |
| 10                    | 05LR3DZ              | Occlusion of R Verteb Vein with Intralum Dev, Perc Approac | 59                 | Other OR procedur          |
| 10                    | 05LR3ZZ              | Occlusion of Right Vertebral Vein, Percutaneous Approach   | 59                 | Other OR procedur          |
| 10                    | 05LR4CZ              | Occlusion R Verteb Vein w Extralum Dev, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05LR4DZ              | Occlusion R Verteb Vein w Intralum Dev, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05LR4ZZ              | Occlusion of Right Vertebral Vein, Perc Endo Approach      | 59                 | Other OR procedur          |
| 10                    | 05LS0CZ              | Occlusion of L Verteb Vein with Extralum Dev, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05LS0DZ              | Occlusion of L Verteb Vein with Intralum Dev, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05LS0ZZ              | Occlusion of Left Vertebral Vein, Open Approach            | 59                 | Other OR procedur          |
| 10                    | 05LS3CZ              | Occlusion of L Verteb Vein with Extralum Dev, Perc Approac | 59                 | Other OR procedur          |
| 10                    | 05LS3DZ              | Occlusion of L Verteb Vein with Intralum Dev, Perc Approac | 59                 | Other OR procedur          |
| 10                    | 05LS3ZZ              | Occlusion of Left Vertebral Vein, Percutaneous Approach    | 59                 | Other OR procedur          |
| 10                    | 05LS4CZ              | Occlusion L Verteb Vein w Extralum Dev, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05LS4DZ              | Occlusion L Verteb Vein w Intralum Dev, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05LS4ZZ              | Occlusion of Left Vertebral Vein, Perc Endo Approach       | 59                 | Other OR procedur          |
| 10                    | 05LT0CZ              | Occlusion of R Face Vein with Extralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 05LT0DZ              | Occlusion of R Face Vein with Intralum Dev, Open Approach  | 59                 | Other OR procedur          |
| 10                    | 05LT0ZZ              | Occlusion of Right Face Vein, Open Approach                | 59                 | Other OR procedur          |
| 10                    | 05LT3CZ              | Occlusion of R Face Vein with Extralum Dev, Perc Approac   | 59                 | Other OR procedur          |
| 10                    | 05LT3DZ              | Occlusion of R Face Vein with Intralum Dev, Perc Approac   | 59                 | Other OR procedur          |
| 10                    | 05LT3ZZ              | Occlusion of Right Face Vein, Percutaneous Approach        | 59                 | Other OR procedur          |
| 10                    | 05LT4CZ              | Occlusion R Face Vein w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 05LT4DZ              | Occlusion R Face Vein w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 05LT4ZZ              | Occlusion of Right Face Vein, Perc Endo Approach           | 59                 | Other OR procedur          |
| 10                    | 05LV0CZ              | Occlusion of Left Face Vein with Extralum Dev, Open Approa | 59                 | Other OR procedur          |
| 10                    | 05LV0DZ              | Occlusion of Left Face Vein with Intralum Dev, Open Approa | 59                 | Other OR procedur          |
| 10                    | 05LV0ZZ              | Occlusion of Left Face Vein, Open Approach                 | 59                 | Other OR procedur          |
| 10                    | 05LV3CZ              | Occlusion of Left Face Vein with Extralum Dev, Perc Approa | 59                 | Other OR procedur          |
| 10                    | 05LV3DZ              | Occlusion of Left Face Vein with Intralum Dev, Perc Approa | 59                 | Other OR procedur          |
| 10                    | 05LV3ZZ              | Occlusion of Left Face Vein, Percutaneous Approach         | 59                 | Other OR procedur          |
| 10                    | 05LV4CZ              | Occlusion L Face Vein w Extralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 05LV4DZ              | Occlusion L Face Vein w Intralum Dev, Perc Endo            | 59                 | Other OR procedur          |
| 10                    | 05LV4ZZ              | Occlusion of Left Face Vein, Perc Endo Approach            | 59                 | Other OR procedur          |
| 10                    | 05NL0ZZ              | Release Intracranial Vein, Open Approach                   | 59                 | Other OR procedur          |
| 10                    | 05NL3ZZ              | Release Intracranial Vein, Percutaneous Approach           | 59                 | Other OR procedur          |
| 10                    | 05NL4ZZ              | Release Intracranial Vein, Percutaneous Endoscopic Approac | 59                 | Other OR procedur          |
| 10                    | 05NM0ZZ              | Release Right Internal Jugular Vein, Open Approach         | 59                 | Other OR procedur          |
| 10                    | 05NM3ZZ              | Release Right Internal Jugular Vein, Percutaneous Approach | 59                 | Other OR procedur          |
| 10                    | 05NM4ZZ              | Release Right Internal Jugular Vein, Perc Endo Approach    | 59                 | Other OR procedur          |
| 10                    | 05NN0ZZ              | Release Left Internal Jugular Vein, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 05NN3ZZ              | Release Left Internal Jugular Vein, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 05NN4ZZ              | Release Left Internal Jugular Vein, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 05NP0ZZ              | Release Right External Jugular Vein, Open Approach         | 59                 | Other OR procedur          |
| 10                    | 05NP3ZZ              | Release Right External Jugular Vein, Percutaneous Approach | 59                 | Other OR procedur          |
| 10                    | 05NP4ZZ              | Release Right External Jugular Vein, Perc Endo Approach    | 59                 | Other OR procedur          |
| 10                    | 05NQ0ZZ              | Release Left External Jugular Vein, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 05NQ3ZZ              | Release Left External Jugular Vein, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 05NQ4ZZ              | Release Left External Jugular Vein, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 05NR0ZZ              | Release Right Vertebral Vein, Open Approach                | 59                 | Other OR procedur          |
| 10                    | 05NR3ZZ              | Release Right Vertebral Vein, Percutaneous Approach        | 59                 | Other OR procedur          |
| 10                    | 05NR4ZZ              | Release Right Vertebral Vein, Perc Endo Approach           | 59                 | Other OR procedur          |
| 10                    | 05NS0ZZ              | Release Left Vertebral Vein, Open Approach                 | 59                 | Other OR procedur          |
| 10                    | 05NS3ZZ              | Release Left Vertebral Vein, Percutaneous Approach         | 59                 | Other OR procedur          |
| 10                    | 05NS4ZZ              | Release Left Vertebral Vein, Perc Endo Approach            | 59                 | Other OR procedur          |
| 10                    | 05NT0ZZ              | Release Right Face Vein, Open Approach                     | 59                 | Other OR procedur          |
| 10                    | 05NT3ZZ              | Release Right Face Vein, Percutaneous Approach             | 59                 | Other OR procedur          |
| 10                    | 05NT4ZZ              | Release Right Face Vein, Percutaneous Endoscopic Approach  | 59                 | Other OR procedur          |
| 10                    | 05NV0ZZ              | Release Left Face Vein, Open Approach                      | 59                 | Other OR procedur          |
| 10                    | 05NV3ZZ              | Release Left Face Vein, Percutaneous Approach              | 59                 | Other OR procedur          |
| 10                    | 05NV4ZZ              | Release Left Face Vein, Percutaneous Endoscopic Approach   | 59                 | Other OR procedur          |
| 10                    | 05QL0ZZ              | Repair Intracranial Vein, Open Approach                    | 59                 | Other OR procedur          |
| 10                    | 05QL3ZZ              | Repair Intracranial Vein, Percutaneous Approach            | 59                 | Other OR procedur          |
| 10                    | 05QL4ZZ              | Repair Intracranial Vein, Percutaneous Endoscopic Approach | 59                 | Other OR procedur          |
| 10                    | 05QM0ZZ              | Repair Right Internal Jugular Vein, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 05QM3ZZ              | Repair Right Internal Jugular Vein, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 05QM4ZZ              | Repair Right Internal Jugular Vein, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 05QN0ZZ              | Repair Left Internal Jugular Vein, Open Approach           | 59                 | Other OR procedur          |
| 10                    | 05QN3ZZ              | Repair Left Internal Jugular Vein, Percutaneous Approach   | 59                 | Other OR procedur          |
| 10                    | 05QN4ZZ              | Repair Left Internal Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur          |
| 10                    | 05QP0ZZ              | Repair Right External Jugular Vein, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 05QP3ZZ              | Repair Right External Jugular Vein, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 05QP4ZZ              | Repair Right External Jugular Vein, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 05QQ0ZZ              | Repair Left External Jugular Vein, Open Approach           | 59                 | Other OR procedur          |
| 10                    | 05QQ3ZZ              | Repair Left External Jugular Vein, Percutaneous Approach   | 59                 | Other OR procedur          |
| 10                    | 05QQ4ZZ              | Repair Left External Jugular Vein, Perc Endo Approach      | 59                 | Other OR procedur          |
| 10                    | 05QR0ZZ              | Repair Right Vertebral Vein, Open Approach                 | 59                 | Other OR procedur          |
| 10                    | 05QR3ZZ              | Repair Right Vertebral Vein, Percutaneous Approach         | 59                 | Other OR procedur          |
| 10                    | 05QR4ZZ              | Repair Right Vertebral Vein, Perc Endo Approach            | 59                 | Other OR procedur          |
| 10                    | 05QS0ZZ              | Repair Left Vertebral Vein, Open Approach                  | 59                 | Other OR procedur          |
| 10                    | 05QS3ZZ              | Repair Left Vertebral Vein, Percutaneous Approach          | 59                 | Other OR procedur          |
| 10                    | 05QS4ZZ              | Repair Left Vertebral Vein, Percutaneous Endoscopic Approa | 59                 | Other OR procedur          |
| 10                    | 05QT0ZZ              | Repair Right Face Vein, Open Approach                      | 59                 | Other OR procedur          |
| 10                    | 05QT3ZZ              | Repair Right Face Vein, Percutaneous Approach              | 59                 | Other OR procedur          |
| 10                    | 05QT4ZZ              | Repair Right Face Vein, Percutaneous Endoscopic Approach   | 59                 | Other OR procedur          |
| 10                    | 05QV0ZZ              | Repair Left Face Vein, Open Approach                       | 59                 | Other OR procedur          |
| 10                    | 05QV3ZZ              | Repair Left Face Vein, Percutaneous Approach               | 59                 | Other OR procedur          |
| 10                    | 05QV4ZZ              | Repair Left Face Vein, Percutaneous Endoscopic Approach    | 59                 | Other OR procedur          |
| 10                    | 05RL07Z              | Replacement of Intracran Vein with Autol Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RL0JZ              | Replacement of Intracran Vein with Synth Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RL0KZ              | Replacement of Intracran Vein with Nonaut Sub, Open Approa | 59                 | Other OR procedur          |
| 10                    | 05RL47Z              | Replace of Intracran Vein with Autol Sub, Perc Endo Approa | 59                 | Other OR procedur          |
| 10                    | 05RL4JZ              | Replace of Intracran Vein with Synth Sub, Perc Endo Approa | 59                 | Other OR procedur          |
| 10                    | 05RL4KZ              | Replace Intracran Vein w Nonaut Sub, Perc Endo             | 59                 | Other OR procedur          |
| 10                    | 05RM07Z              | Replace of R Int Jugular Vein with Autol Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RM0JZ              | Replace of R Int Jugular Vein with Synth Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RM0KZ              | Replace of R Int Jugular Vein with Nonaut Sub, Open Approa | 59                 | Other OR procedur          |
| 10                    | 05RM47Z              | Replace R Int Jugular Vein w Autol Sub, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05RM4JZ              | Replace R Int Jugular Vein w Synth Sub, Perc Endo          | 59                 | Other OR procedur          |
| 10                    | 05RM4KZ              | Replace R Int Jugular Vein w Nonaut Sub, Perc Endo         | 59                 | Other OR procedur          |
| 10                    | 05RN07Z              | Replace of L Int Jugular Vein with Autol Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RN0JZ              | Replace of L Int Jugular Vein with Synth Sub, Open Approac | 59                 | Other OR procedur          |
| 10                    | 05RN0KZ              | Replace of L Int Jugular Vein with Nonaut Sub, Open Approa | 59                 | Other OR procedur          |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 05VT0ZZ              | Restriction of Right Face Vein, Open Approach              | 59                 | Other OR procedur         |
| 10                    | 05VT3CZ              | Restriction of R Face Vein with Extralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 05VT3DZ              | Restriction of R Face Vein with Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 05VT3ZZ              | Restriction of Right Face Vein, Percutaneous Approach      | 59                 | Other OR procedur         |
| 10                    | 05VT4CZ              | Restrict R Face Vein w Extralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05VT4DZ              | Restrict R Face Vein w Intralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05VT4ZZ              | Restriction of Right Face Vein, Perc Endo Approach         | 59                 | Other OR procedur         |
| 10                    | 05VV0CZ              | Restriction of L Face Vein with Extralum Dev, Open Approac | 59                 | Other OR procedur         |
| 10                    | 05VV0DZ              | Restriction of L Face Vein with Intralum Dev, Open Approac | 59                 | Other OR procedur         |
| 10                    | 05VV0ZZ              | Restriction of Left Face Vein, Open Approach               | 59                 | Other OR procedur         |
| 10                    | 05VV3CZ              | Restriction of L Face Vein with Extralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 05VV3DZ              | Restriction of L Face Vein with Intralum Dev, Perc Approac | 59                 | Other OR procedur         |
| 10                    | 05VV3ZZ              | Restriction of Left Face Vein, Percutaneous Approach       | 59                 | Other OR procedur         |
| 10                    | 05VV4CZ              | Restrict L Face Vein w Extralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05VV4DZ              | Restrict L Face Vein w Intralum Dev, Perc Endo             | 59                 | Other OR procedur         |
| 10                    | 05VV4ZZ              | Restriction of Left Face Vein, Perc Endo Approach          | 59                 | Other OR procedur         |
| 10                    | 0610075              | Bypass Inf Vena Cava to Sup Mesent V w Autol Sub, Open     | 56                 | Other vascular by         |
| 10                    | 0610076              | Bypass Inf Vena Cava to Inf Mesent V w Autol Sub, Open     | 56                 | Other vascular by         |
| 10                    | 061007Y              | Bypass Inf Vena Cava to Low Vein w Autol Sub, Open         | 56                 | Other vascular by         |
| 10                    | 0610095              | Bypass Inf Vena Cava to Sup Mesent V w Autol Vn, Open      | 56                 | Other vascular by         |
| 10                    | 0610096              | Bypass Inf Vena Cava to Inf Mesent V w Autol Vn, Open      | 56                 | Other vascular by         |
| 10                    | 061009Y              | Bypass Inf Vena Cava to Low Vein w Autol Vn, Open          | 56                 | Other vascular by         |
| 10                    | 06100A5              | Bypass Inf Vena Cava to Sup Mesent V w Autol Art, Open     | 56                 | Other vascular by         |
| 10                    | 06100A6              | Bypass Inf Vena Cava to Inf Mesent V w Autol Art, Open     | 56                 | Other vascular by         |
| 10                    | 06100AY              | Bypass Inf Vena Cava to Low Vein w Autol Art, Open         | 56                 | Other vascular by         |
| 10                    | 06100J5              | Bypass Inf Vena Cava to Sup Mesent V w Synth Sub, Open     | 56                 | Other vascular by         |
| 10                    | 06100J6              | Bypass Inf Vena Cava to Inf Mesent V w Synth Sub, Open     | 56                 | Other vascular by         |
| 10                    | 06100JY              | Bypass Inf Vena Cava to Low Vein w Synth Sub, Open         | 56                 | Other vascular by         |
| 10                    | 06100K5              | Bypass Inf Vena Cava to Sup Mesent V w Nonaut Sub, Open    | 56                 | Other vascular by         |
| 10                    | 06100K6              | Bypass Inf Vena Cava to Inf Mesent V w Nonaut Sub, Open    | 56                 | Other vascular by         |
| 10                    | 06100KY              | Bypass Inf Vena Cava to Low Vein w Nonaut Sub, Open        | 56                 | Other vascular by         |
| 10                    | 06100Z5              | Bypass Inferior Vena Cava to Sup Mesent V, Open Approach   | 56                 | Other vascular by         |
| 10                    | 06100Z6              | Bypass Inferior Vena Cava to Inf Mesent V, Open Approach   | 56                 | Other vascular by         |
| 10                    | 06100ZY              | Bypass Inferior Vena Cava to Lower Vein, Open Approach     | 56                 | Other vascular by         |
| 10                    | 0610475              | Bypass Inf Vena Cava to Sup Mesent V w Autol Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 0610476              | Bypass Inf Vena Cava to Inf Mesent V w Autol Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 061047Y              | Bypass Inf Vena Cava to Low Vein w Autol Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 0610495              | Bypass Inf Vena Cava to Sup Mesent V w Autol Vn, Perc Endo | 56                 | Other vascular by         |
| 10                    | 0610496              | Bypass Inf Vena Cava to Inf Mesent V w Autol Vn, Perc Endo | 56                 | Other vascular by         |
| 10                    | 061049Y              | Bypass Inf Vena Cava to Low Vein w Autol Vn, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 06104A5              | Bypass Inf Vena Cava to Sup Mesent V w Autol Art, Perc End | 56                 | Other vascular by         |
| 10                    | 06104A6              | Bypass Inf Vena Cava to Inf Mesent V w Autol Art, Perc End | 56                 | Other vascular by         |
| 10                    | 06104AY              | Bypass Inf Vena Cava to Low Vein w Autol Art, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 06104J5              | Bypass Inf Vena Cava to Sup Mesent V w Synth Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 06104J6              | Bypass Inf Vena Cava to Inf Mesent V w Synth Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 06104JY              | Bypass Inf Vena Cava to Low Vein w Synth Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 06104K5              | Bypass Inf Vena Cava to Sup Mesent V w Nonaut Sub, Perc En | 56                 | Other vascular by         |
| 10                    | 06104K6              | Bypass Inf Vena Cava to Inf Mesent V w Nonaut Sub, Perc En | 56                 | Other vascular by         |
| 10                    | 06104KY              | Bypass Inf Vena Cava to Low Vein w Nonaut Sub, Perc Endo   | 56                 | Other vascular by         |
| 10                    | 06104Z5              | Bypass Inf Vena Cava to Sup Mesent V, Perc Endo Approach   | 56                 | Other vascular by         |
| 10                    | 06104Z6              | Bypass Inf Vena Cava to Inf Mesent V, Perc Endo Approach   | 56                 | Other vascular by         |
| 10                    | 06104ZY              | Bypass Inferior Vena Cava to Lower Vein, Perc Endo Approac | 56                 | Other vascular by         |
| 10                    | 0611079              | Bypass Splenic Vein to R Renal Vein w Autol Sub, Open      | 56                 | Other vascular by         |
| 10                    | 061107B              | Bypass Splenic Vein to L Renal Vein w Autol Sub, Open      | 56                 | Other vascular by         |
| 10                    | 061107Y              | Bypass Splenic Vein to Low Vein w Autol Sub, Open          | 56                 | Other vascular by         |
| 10                    | 0611099              | Bypass Splenic Vein to R Renal Vein w Autol Vn, Open       | 56                 | Other vascular by         |
| 10                    | 061109B              | Bypass Splenic Vein to L Renal Vein w Autol Vn, Open       | 56                 | Other vascular by         |
| 10                    | 061109Y              | Bypass Splenic Vein to Low Vein with Autol Vn, Open Appra  | 56                 | Other vascular by         |
| 10                    | 06110A9              | Bypass Splenic Vein to R Renal Vein w Autol Art, Open      | 56                 | Other vascular by         |
| 10                    | 06110AB              | Bypass Splenic Vein to L Renal Vein w Autol Art, Open      | 56                 | Other vascular by         |
| 10                    | 06110AY              | Bypass Splenic Vein to Low Vein w Autol Art, Open          | 56                 | Other vascular by         |
| 10                    | 06110J9              | Bypass Splenic Vein to R Renal Vein w Synth Sub, Open      | 56                 | Other vascular by         |
| 10                    | 06110JB              | Bypass Splenic Vein to L Renal Vein w Synth Sub, Open      | 56                 | Other vascular by         |
| 10                    | 06110JY              | Bypass Splenic Vein to Low Vein w Synth Sub, Open          | 56                 | Other vascular by         |
| 10                    | 06110K9              | Bypass Splenic Vein to R Renal Vein w Nonaut Sub, Open     | 56                 | Other vascular by         |
| 10                    | 06110KB              | Bypass Splenic Vein to L Renal Vein w Nonaut Sub, Open     | 56                 | Other vascular by         |
| 10                    | 06110KY              | Bypass Splenic Vein to Low Vein w Nonaut Sub, Open         | 56                 | Other vascular by         |
| 10                    | 06110Z9              | Bypass Splenic Vein to Right Renal Vein, Open Approach     | 56                 | Other vascular by         |
| 10                    | 06110ZB              | Bypass Splenic Vein to Left Renal Vein, Open Approach      | 56                 | Other vascular by         |
| 10                    | 06110ZY              | Bypass Splenic Vein to Lower Vein, Open Approach           | 56                 | Other vascular by         |
| 10                    | 0611479              | Bypass Splenic Vein to R Renal Vein w Autol Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 061147B              | Bypass Splenic Vein to L Renal Vein w Autol Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 061147Y              | Bypass Splenic Vein to Low Vein w Autol Sub, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 0611499              | Bypass Splenic Vein to R Renal Vein w Autol Vn, Perc Endo  | 56                 | Other vascular by         |
| 10                    | 061149B              | Bypass Splenic Vein to L Renal Vein w Autol Vn, Perc Endo  | 56                 | Other vascular by         |
| 10                    | 061149Y              | Bypass Splenic Vein to Low Vein w Autol Vn, Perc Endo      | 56                 | Other vascular by         |
| 10                    | 06114A9              | Bypass Splenic Vein to R Renal Vein w Autol Art, Perc Endo | 56                 | Other vascular by         |
| 10                    | 06114AB              | Bypass Splenic Vein to L Renal Vein w Autol Art, Perc Endo | 56                 | Other vascular by         |
| 10                    | 06114AY              | Bypass Splenic Vein to Low Vein w Autol Art, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 06114J9              | Bypass Splenic Vein to R Renal Vein w Synth Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 06114JB              | Bypass Splenic Vein to L Renal Vein w Synth Sub, Perc Endo | 56                 | Other vascular by         |
| 10                    | 06114JY              | Bypass Splenic Vein to Low Vein w Synth Sub, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 06114K9              | Bypass Splenic Vein to R Renal Vein w Nonaut Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 06114KB              | Bypass Splenic Vein to L Renal Vein w Nonaut Sub, Perc End | 56                 | Other vascular by         |
| 10                    | 06114KY              | Bypass Splenic Vein to Low Vein w Nonaut Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 06114Z9              | Bypass Splenic Vein to Right Renal Vein, Perc Endo Approac | 56                 | Other vascular by         |
| 10                    | 06114ZB              | Bypass Splenic Vein to Left Renal Vein, Perc Endo Approach | 56                 | Other vascular by         |
| 10                    | 06114ZY              | Bypass Splenic Vein to Lower Vein, Perc Endo Approach      | 56                 | Other vascular by         |
| 10                    | 061207Y              | Bypass Gastric Vein to Low Vein w Autol Sub, Open          | 56                 | Other vascular by         |
| 10                    | 061209Y              | Bypass Gastric Vein to Low Vein with Autol Vn, Open Appra  | 56                 | Other vascular by         |
| 10                    | 06120AY              | Bypass Gastric Vein to Low Vein w Autol Art, Open          | 56                 | Other vascular by         |
| 10                    | 06120JY              | Bypass Gastric Vein to Low Vein w Synth Sub, Open          | 56                 | Other vascular by         |
| 10                    | 06120KY              | Bypass Gastric Vein to Low Vein w Nonaut Sub, Open         | 56                 | Other vascular by         |
| 10                    | 06120ZY              | Bypass Gastric Vein to Lower Vein, Open Approach           | 56                 | Other vascular by         |
| 10                    | 061247Y              | Bypass Gastric Vein to Low Vein w Autol Sub, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 061249Y              | Bypass Gastric Vein to Low Vein w Autol Vn, Perc Endo      | 56                 | Other vascular by         |
| 10                    | 06124AY              | Bypass Gastric Vein to Low Vein w Autol Art, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 06124JY              | Bypass Gastric Vein to Low Vein w Synth Sub, Perc Endo     | 56                 | Other vascular by         |
| 10                    | 06124KY              | Bypass Gastric Vein to Low Vein w Nonaut Sub, Perc Endo    | 56                 | Other vascular by         |
| 10                    | 06124ZY              | Bypass Gastric Vein to Lower Vein, Perc Endo Approach      | 56                 | Other vascular by         |
| 10                    | 061307Y              | Bypass Esophageal Vein to Low Vein w Autol Sub, Open       | 56                 | Other vascular by         |
| 10                    | 061309Y              | Bypass Esophageal Vein to Low Vein w Autol Vn, Open        | 56                 | Other vascular by         |
| 10                    | 06130AY              | Bypass Esophageal Vein to Low Vein w Autol Art, Open       | 56                 | Other vascular by         |
| 10                    | 06130JY              | Bypass Esophageal Vein to Low Vein w Synth Sub, Open       | 56                 | Other vascular by         |
| 10                    | 06130KY              | Bypass Esophageal Vein to Low Vein w Nonaut Sub, Open      | 56                 | Other vascular by         |
| 10                    | 06130ZY              | Bypass Esophageal Vein to Lower Vein, Open Approach        | 56                 | Other vascular by         |







The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 061P07Y              | Bypass R Great Saphenous to Low Vein w Autol Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061P09Y              | Bypass R Great Saphenous to Low Vein w Autol Vn, Open      | 55                 | Peripheral vascul         |
| 10                    | 061P0AY              | Bypass R Great Saphenous to Low Vein w Autol Art, Open     | 55                 | Peripheral vascul         |
| 10                    | 061P0JY              | Bypass R Great Saphenous to Low Vein w Synth Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061P0KY              | Bypass R Great Saphenous to Low Vein w Nonaut Sub, Open    | 55                 | Peripheral vascul         |
| 10                    | 061P0ZY              | Bypass R Great Saphenous to Low Vein, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 061P47Y              | Bypass R Great Saphenous to Low Vein w Autol Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061P49Y              | Bypass R Great Saphenous to Low Vein w Autol Vn, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061P4AY              | Bypass R Great Saphenous to Low Vein w Autol Art, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061P4JY              | Bypass R Great Saphenous to Low Vein w Synth Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061P4KY              | Bypass R Great Saphenous to Low Vein w Nonaut Sub, Perc En | 55                 | Peripheral vascul         |
| 10                    | 061P4ZY              | Bypass R Great Saphenous to Low Vein, Perc Endo Approach   | 55                 | Peripheral vascul         |
| 10                    | 061Q07Y              | Bypass L Great Saphenous to Low Vein w Autol Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061Q09Y              | Bypass L Great Saphenous to Low Vein w Autol Vn, Open      | 55                 | Peripheral vascul         |
| 10                    | 061Q0AY              | Bypass L Great Saphenous to Low Vein w Autol Art, Open     | 55                 | Peripheral vascul         |
| 10                    | 061Q0JY              | Bypass L Great Saphenous to Low Vein w Synth Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061Q0KY              | Bypass L Great Saphenous to Low Vein w Nonaut Sub, Open    | 55                 | Peripheral vascul         |
| 10                    | 061Q0ZY              | Bypass L Great Saphenous to Low Vein, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 061Q47Y              | Bypass L Great Saphenous to Low Vein w Autol Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061Q49Y              | Bypass L Great Saphenous to Low Vein w Autol Vn, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061Q4AY              | Bypass L Great Saphenous to Low Vein w Autol Art, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061Q4JY              | Bypass L Great Saphenous to Low Vein w Synth Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061Q4KY              | Bypass L Great Saphenous to Low Vein w Nonaut Sub, Perc En | 55                 | Peripheral vascul         |
| 10                    | 061Q4ZY              | Bypass L Great Saphenous to Low Vein, Perc Endo Approach   | 55                 | Peripheral vascul         |
| 10                    | 061R07Y              | Bypass R Less Saphenous to Low Vein w Autol Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 061R09Y              | Bypass R Less Saphenous to Low Vein w Autol Vn, Open       | 55                 | Peripheral vascul         |
| 10                    | 061R0AY              | Bypass R Less Saphenous to Low Vein w Autol Art, Open      | 55                 | Peripheral vascul         |
| 10                    | 061R0JY              | Bypass R Less Saphenous to Low Vein w Synth Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 061R0KY              | Bypass R Less Saphenous to Low Vein w Nonaut Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061R0ZY              | Bypass R Less Saphenous to Low Vein, Open Approach         | 55                 | Peripheral vascul         |
| 10                    | 061R47Y              | Bypass R Less Saphenous to Low Vein w Autol Sub, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061R49Y              | Bypass R Less Saphenous to Low Vein w Autol Vn, Perc End   | 55                 | Peripheral vascul         |
| 10                    | 061R4AY              | Bypass R Less Saphenous to Low Vein w Autol Art, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061R4JY              | Bypass R Less Saphenous to Low Vein w Synth Sub, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061R4KY              | Bypass R Less Saphenous to Low Vein w Nonaut Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061R4ZY              | Bypass R Less Saphenous to Low Vein, Perc Endo Approach    | 55                 | Peripheral vascul         |
| 10                    | 061S07Y              | Bypass L Less Saphenous to Low Vein w Autol Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 061S09Y              | Bypass L Less Saphenous to Low Vein w Autol Vn, Open       | 55                 | Peripheral vascul         |
| 10                    | 061S0AY              | Bypass L Less Saphenous to Low Vein w Autol Art, Open      | 55                 | Peripheral vascul         |
| 10                    | 061S0JY              | Bypass L Less Saphenous to Low Vein w Synth Sub, Open      | 55                 | Peripheral vascul         |
| 10                    | 061S0KY              | Bypass L Less Saphenous to Low Vein w Nonaut Sub, Open     | 55                 | Peripheral vascul         |
| 10                    | 061S0ZY              | Bypass Left Lesser Saphenous Vein to Low Vein, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061S47Y              | Bypass L Less Saphenous to Low Vein w Autol Sub, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061S49Y              | Bypass L Less Saphenous to Low Vein w Autol Vn, Perc End   | 55                 | Peripheral vascul         |
| 10                    | 061S4AY              | Bypass L Less Saphenous to Low Vein w Autol Art, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061S4JY              | Bypass L Less Saphenous to Low Vein w Synth Sub, Perc Endo | 55                 | Peripheral vascul         |
| 10                    | 061S4KY              | Bypass L Less Saphenous to Low Vein w Nonaut Sub, Perc End | 55                 | Peripheral vascul         |
| 10                    | 061S4ZY              | Bypass L Less Saphenous to Low Vein, Perc Endo Approach    | 55                 | Peripheral vascul         |
| 10                    | 061T07Y              | Bypass R Foot Vein to Low Vein with Autol Sub, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061T09Y              | Bypass R Foot Vein to Low Vein with Autol Vn, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 061T0AY              | Bypass R Foot Vein to Low Vein with Autol Art, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061T0JY              | Bypass R Foot Vein to Low Vein with Synth Sub, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061T0KY              | Bypass R Foot Vein to Low Vein w Nonaut Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 061T0ZY              | Bypass Right Foot Vein to Lower Vein, Open Approach        | 55                 | Peripheral vascul         |
| 10                    | 061T47Y              | Bypass R Foot Vein to Low Vein w Autol Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061T49Y              | Bypass R Foot Vein to Low Vein w Autol Vn, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 061T4AY              | Bypass R Foot Vein to Low Vein w Autol Art, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061T4JY              | Bypass R Foot Vein to Low Vein w Synth Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061T4KY              | Bypass R Foot Vein to Low Vein w Nonaut Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 061T4ZY              | Bypass Right Foot Vein to Lower Vein, Perc Endo Approach   | 55                 | Peripheral vascul         |
| 10                    | 061V07Y              | Bypass L Foot Vein to Low Vein with Autol Sub, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061V09Y              | Bypass L Foot Vein to Low Vein with Autol Vn, Open Approa  | 55                 | Peripheral vascul         |
| 10                    | 061V0AY              | Bypass L Foot Vein to Low Vein with Autol Art, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061V0JY              | Bypass L Foot Vein to Low Vein with Synth Sub, Open Approa | 55                 | Peripheral vascul         |
| 10                    | 061V0KY              | Bypass L Foot Vein to Low Vein w Nonaut Sub, Open          | 55                 | Peripheral vascul         |
| 10                    | 061V0ZY              | Bypass Left Foot Vein to Lower Vein, Open Approach         | 55                 | Peripheral vascul         |
| 10                    | 061V47Y              | Bypass L Foot Vein to Low Vein w Autol Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061V49Y              | Bypass L Foot Vein to Low Vein w Autol Vn, Perc Endo       | 55                 | Peripheral vascul         |
| 10                    | 061V4AY              | Bypass L Foot Vein to Low Vein w Autol Art, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061V4JY              | Bypass L Foot Vein to Low Vein w Synth Sub, Perc Endo      | 55                 | Peripheral vascul         |
| 10                    | 061V4KY              | Bypass L Foot Vein to Low Vein w Nonaut Sub, Perc Endo     | 55                 | Peripheral vascul         |
| 10                    | 061V4ZY              | Bypass Left Foot Vein to Lower Vein, Perc Endo Approach    | 55                 | Peripheral vascul         |
| 10                    | 06900ZX              | Drainage of Inferior Vena Cava, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 06903ZX              | Drainage of Inferior Vena Cava, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 06904ZX              | Drainage of Inferior Vena Cava, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06910ZX              | Drainage of Splenic Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 06913ZX              | Drainage of Splenic Vein, Percutaneous Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 06914ZX              | Drainage of Splenic Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 06920ZX              | Drainage of Gastric Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 06923ZX              | Drainage of Gastric Vein, Percutaneous Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 06924ZX              | Drainage of Gastric Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 06930ZX              | Drainage of Esophageal Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 06933ZX              | Drainage of Esophageal Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06934ZX              | Drainage of Esophageal Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06940ZX              | Drainage of Hepatic Vein, Open Approach, Diagnostic        | 62                 | Other diagnostic          |
| 10                    | 06943ZX              | Drainage of Hepatic Vein, Percutaneous Approach, Diagnosti | 62                 | Other diagnostic          |
| 10                    | 06944ZX              | Drainage of Hepatic Vein, Perc Endo Approach, Diagn        | 62                 | Other diagnostic          |
| 10                    | 06950ZX              | Drainage of Superior Mesenteric Vein, Open Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06953ZX              | Drainage of Superior Mesenteric Vein, Perc Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06954ZX              | Drainage of Sup Mesent Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06960ZX              | Drainage of Inferior Mesenteric Vein, Open Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06963ZX              | Drainage of Inferior Mesenteric Vein, Perc Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06964ZX              | Drainage of Inf Mesent Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06970ZX              | Drainage of Colic Vein, Open Approach, Diagnostic          | 62                 | Other diagnostic          |
| 10                    | 06973ZX              | Drainage of Colic Vein, Percutaneous Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 06974ZX              | Drainage of Colic Vein, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 06980ZX              | Drainage of Portal Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 06983ZX              | Drainage of Portal Vein, Percutaneous Approach, Diagnostic | 62                 | Other diagnostic          |
| 10                    | 06984ZX              | Drainage of Portal Vein, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06990ZX              | Drainage of Right Renal Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 06993ZX              | Drainage of Right Renal Vein, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06994ZX              | Drainage of Right Renal Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06980ZX              | Drainage of Left Renal Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 06983ZX              | Drainage of Left Renal Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06984ZX              | Drainage of Left Renal Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069C0ZX              | Drainage of Right Common Iliac Vein, Open Approach, Diagn  | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 069C3ZX              | Drainage of Right Common Iliac Vein, Perc Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 069C4ZX              | Drainage of R Com Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069D0ZX              | Drainage of Left Common Iliac Vein, Open Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069D3ZX              | Drainage of Left Common Iliac Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069D4ZX              | Drainage of L Com Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069F0ZX              | Drainage of Right External Iliac Vein, Open Approach, Diag  | 62                 | Other diagnostic          |
| 10                    | 069F3ZX              | Drainage of Right External Iliac Vein, Perc Approach, Diag  | 62                 | Other diagnostic          |
| 10                    | 069F4ZX              | Drainage of R Ext Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069G0ZX              | Drainage of Left External Iliac Vein, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 069G3ZX              | Drainage of Left External Iliac Vein, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 069G4ZX              | Drainage of L Ext Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069H0ZX              | Drainage of Right Hypogastric Vein, Open Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069H3ZX              | Drainage of Right Hypogastric Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069H4ZX              | Drainage of R Hypogast Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 069J0ZX              | Drainage of Left Hypogastric Vein, Open Approach, Diagnost  | 62                 | Other diagnostic          |
| 10                    | 069J3ZX              | Drainage of Left Hypogastric Vein, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069J4ZX              | Drainage of Left Hypogastric Vein, Perc Endo Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 069M0ZX              | Drainage of Right Femoral Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 069M3ZX              | Drainage of Right Femoral Vein, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 069M4ZX              | Drainage of Right Femoral Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 069N0ZX              | Drainage of Left Femoral Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 069N3ZX              | Drainage of Left Femoral Vein, Percutaneous Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 069N4ZX              | Drainage of Left Femoral Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069P0ZX              | Drainage of R Great Saphenous, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 069P3ZX              | Drainage of R Great Saphenous, Perc Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 069P4ZX              | Drainage of R Great Saphenous, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069Q0ZX              | Drainage of L Great Saphenous, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 069Q3ZX              | Drainage of L Great Saphenous, Perc Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 069Q4ZX              | Drainage of L Great Saphenous, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069R0ZX              | Drainage of R Less Saphenous, Open Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 069R3ZX              | Drainage of R Less Saphenous, Perc Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 069R4ZX              | Drainage of R Less Saphenous, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069S0ZX              | Drainage of Left Lesser Saphenous Vein, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 069S3ZX              | Drainage of Left Lesser Saphenous Vein, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 069S4ZX              | Drainage of L Less Saphenous, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 069T0ZX              | Drainage of Right Foot Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 069T3ZX              | Drainage of Right Foot Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 069T4ZX              | Drainage of Right Foot Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 069V0ZX              | Drainage of Left Foot Vein, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 069V3ZX              | Drainage of Left Foot Vein, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 069V4ZX              | Drainage of Left Foot Vein, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 069Y0ZX              | Drainage of Lower Vein, Open Approach, Diagnostic           | 62                 | Other diagnostic          |
| 10                    | 069Y3ZX              | Drainage of Lower Vein, Percutaneous Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 069Y4ZX              | Drainage of Lower Vein, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 06B00ZX              | Excision of Inferior Vena Cava, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 06B03ZX              | Excision of Inferior Vena Cava, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 06B04ZX              | Excision of Inferior Vena Cava, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06B10ZX              | Excision of Splenic Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 06B13ZX              | Excision of Splenic Vein, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 06B14ZX              | Excision of Splenic Vein, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06B20ZX              | Excision of Gastric Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 06B23ZX              | Excision of Gastric Vein, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 06B24ZX              | Excision of Gastric Vein, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06B30ZX              | Excision of Esophageal Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 06B33ZX              | Excision of Esophageal Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06B34ZX              | Excision of Esophageal Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06B40ZX              | Excision of Hepatic Vein, Open Approach, Diagnostic         | 62                 | Other diagnostic          |
| 10                    | 06B43ZX              | Excision of Hepatic Vein, Percutaneous Approach, Diagnosti  | 62                 | Other diagnostic          |
| 10                    | 06B44ZX              | Excision of Hepatic Vein, Perc Endo Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06B50ZX              | Excision of Superior Mesenteric Vein, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06B53ZX              | Excision of Superior Mesenteric Vein, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06B54ZX              | Excision of Sup Mesent Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06B60ZX              | Excision of Inferior Mesenteric Vein, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06B63ZX              | Excision of Inferior Mesenteric Vein, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06B64ZX              | Excision of Inf Mesent Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06B70ZX              | Excision of Colic Vein, Open Approach, Diagnostic           | 62                 | Other diagnostic          |
| 10                    | 06B73ZX              | Excision of Colic Vein, Percutaneous Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 06B74ZX              | Excision of Colic Vein, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 06B80ZX              | Excision of Portal Vein, Open Approach, Diagnostic          | 62                 | Other diagnostic          |
| 10                    | 06B83ZX              | Excision of Portal Vein, Percutaneous Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 06B84ZX              | Excision of Portal Vein, Perc Endo Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 06B90ZX              | Excision of Right Renal Vein, Open Approach, Diagnostic     | 62                 | Other diagnostic          |
| 10                    | 06B93ZX              | Excision of Right Renal Vein, Percutaneous Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06B94ZX              | Excision of Right Renal Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06B80ZX              | Excision of Left Renal Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 06B83ZX              | Excision of Left Renal Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06B84ZX              | Excision of Left Renal Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06BC0ZX              | Excision of Right Common Iliac Vein, Open Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06BC3ZX              | Excision of Right Common Iliac Vein, Perc Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06BC4ZX              | Excision of R Com Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BD0ZX              | Excision of Left Common Iliac Vein, Open Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BD3ZX              | Excision of Left Common Iliac Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BD4ZX              | Excision of L Com Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BF0ZX              | Excision of Right External Iliac Vein, Open Approach, Diagn | 62                 | Other diagnostic          |
| 10                    | 06BF3ZX              | Excision of Right External Iliac Vein, Perc Approach, Diag  | 62                 | Other diagnostic          |
| 10                    | 06BF4ZX              | Excision of R Ext Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BG0ZX              | Excision of Left External Iliac Vein, Open Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06BG3ZX              | Excision of Left External Iliac Vein, Perc Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 06BG4ZX              | Excision of L Ext Iliac Vein, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BH0ZX              | Excision of Right Hypogastric Vein, Open Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BH3ZX              | Excision of Right Hypogastric Vein, Perc Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BH4ZX              | Excision of R Hypogast Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06BJ0ZX              | Excision of Left Hypogastric Vein, Open Approach, Diagnost  | 62                 | Other diagnostic          |
| 10                    | 06BJ3ZX              | Excision of Left Hypogastric Vein, Perc Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BJ4ZX              | Excision of Left Hypogastric Vein, Perc Endo Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 06BM0ZX              | Excision of Right Femoral Vein, Open Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 06BM3ZX              | Excision of Right Femoral Vein, Percutaneous Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 06BM4ZX              | Excision of Right Femoral Vein, Perc Endo Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06BN0ZX              | Excision of Left Femoral Vein, Open Approach, Diagnostic    | 62                 | Other diagnostic          |
| 10                    | 06BN3ZX              | Excision of Left Femoral Vein, Percutaneous Approach, Diag  | 62                 | Other diagnostic          |
| 10                    | 06BN4ZX              | Excision of Left Femoral Vein, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BP0ZX              | Excision of R Great Saphenous, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06BP3ZX              | Excision of R Great Saphenous, Perc Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06BP4ZX              | Excision of R Great Saphenous, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BQ0ZX              | Excision of L Great Saphenous, Open Approach, Diagn         | 62                 | Other diagnostic          |
| 10                    | 06BQ3ZX              | Excision of L Great Saphenous, Perc Approach, Diagn         | 62                 | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 06BQ4ZX              | Excision of L Great Saphenous, Perc Endo Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BR0ZX              | Excision of R Less Saphenous, Open Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 06BR3ZX              | Excision of R Less Saphenous, Perc Approach, Diagn          | 62                 | Other diagnostic          |
| 10                    | 06BR4ZX              | Excision of R Less Saphenous, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BS0ZX              | Excision of Left Lesser Saphenous Vein, Open Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 06BS3ZX              | Excision of Left Lesser Saphenous Vein, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 06BS4ZX              | Excision of L Less Saphenous, Perc Endo Approach, Diagn     | 62                 | Other diagnostic          |
| 10                    | 06BT0ZX              | Excision of Right Foot Vein, Open Approach, Diagnostic      | 62                 | Other diagnostic          |
| 10                    | 06BT3ZX              | Excision of Right Foot Vein, Percutaneous Approach, Diagn   | 62                 | Other diagnostic          |
| 10                    | 06BT4ZX              | Excision of Right Foot Vein, Perc Endo Approach, Diagn      | 62                 | Other diagnostic          |
| 10                    | 06BV0ZX              | Excision of Left Foot Vein, Open Approach, Diagnostic       | 62                 | Other diagnostic          |
| 10                    | 06BV3ZX              | Excision of Left Foot Vein, Percutaneous Approach, Diagn    | 62                 | Other diagnostic          |
| 10                    | 06BV4ZX              | Excision of Left Foot Vein, Perc Endo Approach, Diagn       | 62                 | Other diagnostic          |
| 10                    | 06BY0ZX              | Excision of Lower Vein, Open Approach, Diagnostic           | 62                 | Other diagnostic          |
| 10                    | 06BY3ZX              | Excision of Lower Vein, Percutaneous Approach, Diagnostic   | 62                 | Other diagnostic          |
| 10                    | 06BY4ZX              | Excision of Lower Vein, Perc Endo Approach, Diagn           | 62                 | Other diagnostic          |
| 10                    | 06DM0ZZ              | Extraction of Right Femoral Vein, Open Approach             | 53                 | Varicose vein str         |
| 10                    | 06DM3ZZ              | Extraction of Right Femoral Vein, Percutaneous Approach     | 53                 | Varicose vein str         |
| 10                    | 06DM4ZZ              | Extraction of Right Femoral Vein, Perc Endo Approach        | 53                 | Varicose vein str         |
| 10                    | 06DN0ZZ              | Extraction of Left Femoral Vein, Open Approach              | 53                 | Varicose vein str         |
| 10                    | 06DN3ZZ              | Extraction of Left Femoral Vein, Percutaneous Approach      | 53                 | Varicose vein str         |
| 10                    | 06DN4ZZ              | Extraction of Left Femoral Vein, Perc Endo Approach         | 53                 | Varicose vein str         |
| 10                    | 06DR0ZZ              | Extraction of Right Greater Saphenous Vein, Open Approach   | 53                 | Varicose vein str         |
| 10                    | 06DR3ZZ              | Extraction of Right Greater Saphenous Vein, Perc Approach   | 53                 | Varicose vein str         |
| 10                    | 06DR4ZZ              | Extraction of R Great Saphenous, Perc Endo Approach         | 53                 | Varicose vein str         |
| 10                    | 06DQ0ZZ              | Extraction of Left Greater Saphenous Vein, Open Approach    | 53                 | Varicose vein str         |
| 10                    | 06DQ3ZZ              | Extraction of Left Greater Saphenous Vein, Perc Approach    | 53                 | Varicose vein str         |
| 10                    | 06DQ4ZZ              | Extraction of L Great Saphenous, Perc Endo Approach         | 53                 | Varicose vein str         |
| 10                    | 06DR0ZZ              | Extraction of Right Lesser Saphenous Vein, Open Approach    | 53                 | Varicose vein str         |
| 10                    | 06DR3ZZ              | Extraction of Right Lesser Saphenous Vein, Perc Approach    | 53                 | Varicose vein str         |
| 10                    | 06DR4ZZ              | Extraction of R Less Saphenous, Perc Endo Approach          | 53                 | Varicose vein str         |
| 10                    | 06DS0ZZ              | Extraction of Left Lesser Saphenous Vein, Open Approach     | 53                 | Varicose vein str         |
| 10                    | 06DS3ZZ              | Extraction of Left Lesser Saphenous Vein, Perc Approach     | 53                 | Varicose vein str         |
| 10                    | 06DS4ZZ              | Extraction of Left Lesser Saphenous Vein, Perc Endo Approa  | 53                 | Varicose vein str         |
| 10                    | 06DT0ZZ              | Extraction of Right Foot Vein, Open Approach                | 53                 | Varicose vein str         |
| 10                    | 06DT3ZZ              | Extraction of Right Foot Vein, Percutaneous Approach        | 53                 | Varicose vein str         |
| 10                    | 06DT4ZZ              | Extraction of Right Foot Vein, Perc Endo Approach           | 53                 | Varicose vein str         |
| 10                    | 06DV0ZZ              | Extraction of Left Foot Vein, Open Approach                 | 53                 | Varicose vein str         |
| 10                    | 06DV3ZZ              | Extraction of Left Foot Vein, Percutaneous Approach         | 53                 | Varicose vein str         |
| 10                    | 06DV4ZZ              | Extraction of Left Foot Vein, Perc Endo Approach            | 53                 | Varicose vein str         |
| 10                    | 06DY0ZZ              | Extraction of Lower Vein, Open Approach                     | 53                 | Varicose vein str         |
| 10                    | 06DY3ZZ              | Extraction of Lower Vein, Percutaneous Approach             | 53                 | Varicose vein str         |
| 10                    | 06DY4ZZ              | Extraction of Lower Vein, Percutaneous Endoscopic Approach  | 53                 | Varicose vein str         |
| 10                    | 06HY0ZZ              | Insertion of Monitoring Device into Low Vein, Open Approac  | 62                 | Other diagnostic          |
| 10                    | 06HY3ZZ              | Insertion of Monitoring Device into Low Vein, Perc Approac  | 62                 | Other diagnostic          |
| 10                    | 06HY4ZZ              | Insertion of Monitor Dev into Low Vein, Perc Endo Approach  | 62                 | Other diagnostic          |
| 10                    | 06JY0ZZ              | Inspection of Lower Vein, Open Approach                     | 62                 | Other diagnostic          |
| 10                    | 06JY3ZZ              | Inspection of Lower Vein, Percutaneous Approach             | 62                 | Other diagnostic          |
| 10                    | 06JY4ZZ              | Inspection of Lower Vein, Percutaneous Endoscopic Approach  | 62                 | Other diagnostic          |
| 10                    | 06JYZZ               | Inspection of Lower Vein, External Approach                 | 62                 | Other diagnostic          |
| 10                    | 072KX0Z              | Change Drainage Device in Thoracic Duct, External Approach  | 67                 | Other procedures;         |
| 10                    | 072KXYZ              | Change Other Device in Thoracic Duct, External Approach     | 67                 | Other procedures;         |
| 10                    | 072LX0Z              | Change Drainage Device in Cisterna Chyli, External Approach | 67                 | Other procedures;         |
| 10                    | 072LXYZ              | Change Other Device in Cisterna Chyli, External Approach    | 67                 | Other procedures;         |
| 10                    | 072MX0Z              | Change Drainage Device in Thymus, External Approach         | 67                 | Other procedures;         |
| 10                    | 072MXYZ              | Change Other Device in Thymus, External Approach            | 67                 | Other procedures;         |
| 10                    | 072NX0Z              | Change Drainage Device in Lymphatic, External Approach      | 67                 | Other procedures;         |
| 10                    | 072NXYZ              | Change Other Device in Lymphatic, External Approach         | 67                 | Other procedures;         |
| 10                    | 072PX0Z              | Change Drainage Device in Spleen, External Approach         | 66                 | Procedures on spl         |
| 10                    | 072PXYZ              | Change Other Device in Spleen, External Approach            | 66                 | Procedures on spl         |
| 10                    | 072TX0Z              | Change Drainage Device in Bone Marrow, External Approach    | 67                 | Other procedures;         |
| 10                    | 072TXYZ              | Change Other Device in Bone Marrow, External Approach       | 67                 | Other procedures;         |
| 10                    | 07500ZZ              | Destruction of Head Lymphatic, Open Approach                | 67                 | Other procedures;         |
| 10                    | 07503ZZ              | Destruction of Head Lymphatic, Percutaneous Approach        | 67                 | Other procedures;         |
| 10                    | 07504ZZ              | Destruction of Head Lymphatic, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 07510ZZ              | Destruction of Right Neck Lymphatic, Open Approach          | 67                 | Other procedures;         |
| 10                    | 07513ZZ              | Destruction of Right Neck Lymphatic, Percutaneous Approach  | 67                 | Other procedures;         |
| 10                    | 07514ZZ              | Destruction of Right Neck Lymphatic, Perc Endo Approach     | 67                 | Other procedures;         |
| 10                    | 07520ZZ              | Destruction of Left Neck Lymphatic, Open Approach           | 67                 | Other procedures;         |
| 10                    | 07523ZZ              | Destruction of Left Neck Lymphatic, Percutaneous Approach   | 67                 | Other procedures;         |
| 10                    | 07524ZZ              | Destruction of Left Neck Lymphatic, Perc Endo Approach      | 67                 | Other procedures;         |
| 10                    | 07530ZZ              | Destruction of R Up Extrem Lymph, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07533ZZ              | Destruction of R Up Extrem Lymph, Perc Approach             | 67                 | Other procedures;         |
| 10                    | 07534ZZ              | Destruction of R Up Extrem Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07540ZZ              | Destruction of Left Upper Extremity Lymphatic, Open Approa  | 67                 | Other procedures;         |
| 10                    | 07543ZZ              | Destruction of Left Upper Extremity Lymphatic, Perc Approa  | 67                 | Other procedures;         |
| 10                    | 07544ZZ              | Destruction of L Up Extrem Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07550ZZ              | Destruction of Right Axillary Lymphatic, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07553ZZ              | Destruction of Right Axillary Lymphatic, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07554ZZ              | Destruction of Right Axillary Lymphatic, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 07560ZZ              | Destruction of Left Axillary Lymphatic, Open Approach       | 67                 | Other procedures;         |
| 10                    | 07563ZZ              | Destruction of Left Axillary Lymphatic, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 07564ZZ              | Destruction of Left Axillary Lymphatic, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07570ZZ              | Destruction of Thorax Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 07573ZZ              | Destruction of Thorax Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 07574ZZ              | Destruction of Thorax Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 07580ZZ              | Destruction of Int Mamm, R Lymph, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07583ZZ              | Destruction of Int Mamm, R Lymph, Perc Approach             | 67                 | Other procedures;         |
| 10                    | 07584ZZ              | Destruction of Int Mamm, R Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07590ZZ              | Destruction of Int Mamm, L Lymph, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07593ZZ              | Destruction of Int Mamm, L Lymph, Perc Approach             | 67                 | Other procedures;         |
| 10                    | 07594ZZ              | Destruction of Int Mamm, L Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07580ZZ              | Destruction of Mesenteric Lymphatic, Open Approach          | 67                 | Other procedures;         |
| 10                    | 07583ZZ              | Destruction of Mesenteric Lymphatic, Percutaneous Approach  | 67                 | Other procedures;         |
| 10                    | 07584ZZ              | Destruction of Mesenteric Lymphatic, Perc Endo Approach     | 67                 | Other procedures;         |
| 10                    | 075C0ZZ              | Destruction of Pelvis Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 075C3ZZ              | Destruction of Pelvis Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 075C4ZZ              | Destruction of Pelvis Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 075D0ZZ              | Destruction of Aortic Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 075D3ZZ              | Destruction of Aortic Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 075D4ZZ              | Destruction of Aortic Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 075F0ZZ              | Destruction of R Low Extrem Lymph, Open Approach            | 67                 | Other procedures;         |
| 10                    | 075F3ZZ              | Destruction of R Low Extrem Lymph, Perc Approach            | 67                 | Other procedures;         |
| 10                    | 075F4ZZ              | Destruction of R Low Extrem Lymph, Perc Endo Approach       | 67                 | Other procedures;         |
| 10                    | 075G0ZZ              | Destruction of Left Lower Extremity Lymphatic, Open Approa  | 67                 | Other procedures;         |
| 10                    | 075G3ZZ              | Destruction of Left Lower Extremity Lymphatic, Perc Approa  | 67                 | Other procedures;         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 075G4ZZ              | Destruction of L Low Extrem Lymph, Perc Endo Approach       | 67                 | Other procedures;         |
| 10                    | 075H0ZZ              | Destruction of Right Inguinal Lymphatic, Open Approach      | 67                 | Other procedures;         |
| 10                    | 075H3ZZ              | Destruction of Right Inguinal Lymphatic, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 075H4ZZ              | Destruction of Right Inguinal Lymphatic, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 075J0ZZ              | Destruction of Left Inguinal Lymphatic, Open Approach       | 67                 | Other procedures;         |
| 10                    | 075J3ZZ              | Destruction of Left Inguinal Lymphatic, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 075J4ZZ              | Destruction of Left Inguinal Lymphatic, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 075K0ZZ              | Destruction of Thoracic Duct, Open Approach                 | 67                 | Other procedures;         |
| 10                    | 075K3ZZ              | Destruction of Thoracic Duct, Percutaneous Approach         | 67                 | Other procedures;         |
| 10                    | 075K4ZZ              | Destruction of Thoracic Duct, Perc Endo Approach            | 67                 | Other procedures;         |
| 10                    | 075L0ZZ              | Destruction of Cisterna Chyli, Open Approach                | 67                 | Other procedures;         |
| 10                    | 075L3ZZ              | Destruction of Cisterna Chyli, Percutaneous Approach        | 67                 | Other procedures;         |
| 10                    | 075L4ZZ              | Destruction of Cisterna Chyli, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 075M0ZZ              | Destruction of Thymus, Open Approach                        | 67                 | Other procedures;         |
| 10                    | 075M3ZZ              | Destruction of Thymus, Percutaneous Approach                | 67                 | Other procedures;         |
| 10                    | 075M4ZZ              | Destruction of Thymus, Percutaneous Endoscopic Approach     | 67                 | Other procedures;         |
| 10                    | 075P0ZZ              | Destruction of Spleen, Open Approach                        | 66                 | Procedures on spl         |
| 10                    | 075P3ZZ              | Destruction of Spleen, Percutaneous Approach                | 66                 | Procedures on spl         |
| 10                    | 075P4ZZ              | Destruction of Spleen, Percutaneous Endoscopic Approach     | 66                 | Procedures on spl         |
| 10                    | 079000Z              | Drainage of Head Lymphatic with Drain Dev, Open Approach    | 67                 | Other procedures;         |
| 10                    | 079002X              | Drainage of Head Lymphatic, Open Approach, Diagnostic       | 67                 | Other procedures;         |
| 10                    | 079002Z              | Drainage of Head Lymphatic, Open Approach                   | 67                 | Other procedures;         |
| 10                    | 079030Z              | Drainage of Head Lymphatic with Drain Dev, Perc Approach    | 67                 | Other procedures;         |
| 10                    | 079032X              | Drainage of Head Lymphatic, Percutaneous Approach, Diagn    | 67                 | Other procedures;         |
| 10                    | 079032Z              | Drainage of Head Lymphatic, Percutaneous Approach           | 67                 | Other procedures;         |
| 10                    | 079040Z              | Drainage of Head Lymph with Drain Dev, Perc Endo Approach   | 67                 | Other procedures;         |
| 10                    | 079042X              | Drainage of Head Lymphatic, Perc Endo Approach, Diagn       | 67                 | Other procedures;         |
| 10                    | 079042Z              | Drainage of Head Lymphatic, Percutaneous Endoscopic Approa  | 67                 | Other procedures;         |
| 10                    | 079100Z              | Drainage of R Neck Lymph with Drain Dev, Open Approach      | 67                 | Other procedures;         |
| 10                    | 079102X              | Drainage of Right Neck Lymphatic, Open Approach, Diagnosti  | 67                 | Other procedures;         |
| 10                    | 079102Z              | Drainage of Right Neck Lymphatic, Open Approach             | 67                 | Other procedures;         |
| 10                    | 079130Z              | Drainage of R Neck Lymph with Drain Dev, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 079132X              | Drainage of Right Neck Lymphatic, Perc Approach, Diagn      | 67                 | Other procedures;         |
| 10                    | 079132Z              | Drainage of Right Neck Lymphatic, Percutaneous Approach     | 67                 | Other procedures;         |
| 10                    | 079140Z              | Drainage of R Neck Lymph with Drain Dev, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 079142X              | Drainage of Right Neck Lymphatic, Perc Endo Approach, Diag  | 67                 | Other procedures;         |
| 10                    | 079142Z              | Drainage of Right Neck Lymphatic, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 079200Z              | Drainage of L Neck Lymph with Drain Dev, Open Approach      | 67                 | Other procedures;         |
| 10                    | 079202X              | Drainage of Left Neck Lymphatic, Open Approach, Diagnostic  | 67                 | Other procedures;         |
| 10                    | 079202Z              | Drainage of Left Neck Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 079230Z              | Drainage of L Neck Lymph with Drain Dev, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 079232X              | Drainage of Left Neck Lymphatic, Perc Approach, Diagn       | 67                 | Other procedures;         |
| 10                    | 079232Z              | Drainage of Left Neck Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 079240Z              | Drainage of L Neck Lymph with Drain Dev, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 079242X              | Drainage of Left Neck Lymphatic, Perc Endo Approach, Diagn  | 67                 | Other procedures;         |
| 10                    | 079242Z              | Drainage of Left Neck Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 079300Z              | Drainage of R Up Extrem Lymph with Drain Dev, Open Approac  | 67                 | Other procedures;         |
| 10                    | 079302X              | Drainage of R Up Extrem Lymph, Open Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079302Z              | Drainage of Right Upper Extremity Lymphatic, Open Approach  | 67                 | Other procedures;         |
| 10                    | 079330Z              | Drainage of R Up Extrem Lymph with Drain Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 079332X              | Drainage of R Up Extrem Lymph, Perc Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079332Z              | Drainage of Right Upper Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 079340Z              | Drain R Up Extrem Lymph w Drain Dev, Perc Endo              | 67                 | Other procedures;         |
| 10                    | 079342X              | Drainage of R Up Extrem Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;         |
| 10                    | 079342Z              | Drainage of R Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 079400Z              | Drainage of L Up Extrem Lymph with Drain Dev, Open Approac  | 67                 | Other procedures;         |
| 10                    | 079402X              | Drainage of L Up Extrem Lymph, Open Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079402Z              | Drainage of Left Upper Extremity Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 079430Z              | Drainage of L Up Extrem Lymph with Drain Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 079432X              | Drainage of L Up Extrem Lymph, Perc Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079432Z              | Drainage of Left Upper Extremity Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 079440Z              | Drain L Up Extrem Lymph w Drain Dev, Perc Endo              | 67                 | Other procedures;         |
| 10                    | 079442X              | Drainage of L Up Extrem Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;         |
| 10                    | 079442Z              | Drainage of L Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 079500Z              | Drainage of R Axilla Lymph with Drain Dev, Open Approach    | 67                 | Other procedures;         |
| 10                    | 079502X              | Drainage of Right Axillary Lymphatic, Open Approach, Diagn  | 67                 | Other procedures;         |
| 10                    | 079502Z              | Drainage of Right Axillary Lymphatic, Open Approach         | 67                 | Other procedures;         |
| 10                    | 079530Z              | Drainage of R Axilla Lymph with Drain Dev, Perc Approach    | 67                 | Other procedures;         |
| 10                    | 079532X              | Drainage of Right Axillary Lymphatic, Perc Approach, Diagn  | 67                 | Other procedures;         |
| 10                    | 079532Z              | Drainage of Right Axillary Lymphatic, Percutaneous Approach | 67                 | Other procedures;         |
| 10                    | 079540Z              | Drain of R Axilla Lymph with Drain Dev, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 079542X              | Drainage of R Axilla Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;         |
| 10                    | 079542Z              | Drainage of Right Axillary Lymphatic, Perc Endo Approach    | 67                 | Other procedures;         |
| 10                    | 079600Z              | Drainage of L Axilla Lymph with Drain Dev, Open Approach    | 67                 | Other procedures;         |
| 10                    | 079602X              | Drainage of Left Axillary Lymphatic, Open Approach, Diagn   | 67                 | Other procedures;         |
| 10                    | 079602Z              | Drainage of Left Axillary Lymphatic, Open Approach          | 67                 | Other procedures;         |
| 10                    | 079630Z              | Drainage of L Axilla Lymph with Drain Dev, Perc Approach    | 67                 | Other procedures;         |
| 10                    | 079632X              | Drainage of Left Axillary Lymphatic, Perc Approach, Diagn   | 67                 | Other procedures;         |
| 10                    | 079632Z              | Drainage of Left Axillary Lymphatic, Percutaneous Approach  | 67                 | Other procedures;         |
| 10                    | 079640Z              | Drain of L Axilla Lymph with Drain Dev, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 079642X              | Drainage of L Axilla Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;         |
| 10                    | 079642Z              | Drainage of Left Axillary Lymphatic, Perc Endo Approach     | 67                 | Other procedures;         |
| 10                    | 079700Z              | Drainage of Thorax Lymphatic with Drain Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 079702X              | Drainage of Thorax Lymphatic, Open Approach, Diagnostic     | 67                 | Other procedures;         |
| 10                    | 079702Z              | Drainage of Thorax Lymphatic, Open Approach                 | 67                 | Other procedures;         |
| 10                    | 079730Z              | Drainage of Thorax Lymphatic with Drain Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 079732X              | Drainage of Thorax Lymphatic, Percutaneous Approach, Diagn  | 67                 | Other procedures;         |
| 10                    | 079732Z              | Drainage of Thorax Lymphatic, Percutaneous Approach         | 67                 | Other procedures;         |
| 10                    | 079740Z              | Drainage of Thorax Lymph with Drain Dev, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 079742X              | Drainage of Thorax Lymphatic, Perc Endo Approach, Diagn     | 67                 | Other procedures;         |
| 10                    | 079742Z              | Drainage of Thorax Lymphatic, Perc Endo Approach            | 67                 | Other procedures;         |
| 10                    | 079800Z              | Drainage of Int Mamm, R Lymph with Drain Dev, Open Approach | 67                 | Other procedures;         |
| 10                    | 079802X              | Drainage of Int Mamm, R Lymph, Open Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079802Z              | Drainage of Right Internal Mammary Lymphatic, Open Approach | 67                 | Other procedures;         |
| 10                    | 079830Z              | Drainage of Int Mamm, R Lymph with Drain Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 079832X              | Drainage of Int Mamm, R Lymph, Perc Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079832Z              | Drainage of Right Internal Mammary Lymphatic, Perc Approach | 67                 | Other procedures;         |
| 10                    | 079840Z              | Drain Int Mamm, R Lymph w Drain Dev, Perc Endo              | 67                 | Other procedures;         |
| 10                    | 079842X              | Drainage of Int Mamm, R Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;         |
| 10                    | 079842Z              | Drainage of Int Mamm, R Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 079900Z              | Drainage of Int Mamm, L Lymph with Drain Dev, Open Approach | 67                 | Other procedures;         |
| 10                    | 079902X              | Drainage of Int Mamm, L Lymph, Open Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079902Z              | Drainage of Left Internal Mammary Lymphatic, Open Approach  | 67                 | Other procedures;         |
| 10                    | 079930Z              | Drainage of Int Mamm, L Lymph with Drain Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 079932X              | Drainage of Int Mamm, L Lymph, Perc Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 079932Z              | Drainage of Left Internal Mammary Lymphatic, Perc Approach  | 67                 | Other procedures;         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 079940Z              | Drain Int Mamm, L Lymph w Drain Dev, Perc Endo             | 67                 | Other procedures;          |
| 10                    | 07994ZX              | Drainage of Int Mamm, L Lymph, Perc Endo Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 07994ZZ              | Drainage of Int Mamm, L Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 079800Z              | Drainage of Mesenteric Lymph with Drain Dev, Open Approach | 67                 | Other procedures;          |
| 10                    | 07980ZX              | Drainage of Mesenteric Lymphatic, Open Approach, Diagnosti | 67                 | Other procedures;          |
| 10                    | 07980ZZ              | Drainage of Mesenteric Lymphatic, Open Approach            | 67                 | Other procedures;          |
| 10                    | 079830Z              | Drainage of Mesenteric Lymph with Drain Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07983ZX              | Drainage of Mesenteric Lymphatic, Perc Approach, Diagn     | 67                 | Other procedures;          |
| 10                    | 07983ZZ              | Drainage of Mesenteric Lymphatic, Percutaneous Approach    | 67                 | Other procedures;          |
| 10                    | 079840Z              | Drain of Mesenteric Lymph with Drain Dev, Perc Endo Approa | 67                 | Other procedures;          |
| 10                    | 07984ZX              | Drainage of Mesenteric Lymphatic, Perc Endo Approach, Diag | 67                 | Other procedures;          |
| 10                    | 07984ZZ              | Drainage of Mesenteric Lymphatic, Perc Endo Approach       | 67                 | Other procedures;          |
| 10                    | 079C00Z              | Drainage of Pelvis Lymphatic with Drain Dev, Open Approach | 67                 | Other procedures;          |
| 10                    | 079C0ZX              | Drainage of Pelvis Lymphatic, Open Approach, Diagnostic    | 67                 | Other procedures;          |
| 10                    | 079C0ZZ              | Drainage of Pelvis Lymphatic, Open Approach                | 67                 | Other procedures;          |
| 10                    | 079C30Z              | Drainage of Pelvis Lymphatic with Drain Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 079C3ZX              | Drainage of Pelvis Lymphatic, Percutaneous Approach, Diagn | 67                 | Other procedures;          |
| 10                    | 079C3ZZ              | Drainage of Pelvis Lymphatic, Percutaneous Approach        | 67                 | Other procedures;          |
| 10                    | 079C40Z              | Drainage of Pelvis Lymph with Drain Dev, Perc Endo Approac | 67                 | Other procedures;          |
| 10                    | 079C4ZX              | Drainage of Pelvis Lymphatic, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 079C4ZZ              | Drainage of Pelvis Lymphatic, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 079D00Z              | Drainage of Aortic Lymphatic with Drain Dev, Open Approach | 67                 | Other procedures;          |
| 10                    | 079D0ZX              | Drainage of Aortic Lymphatic, Open Approach, Diagnostic    | 67                 | Other procedures;          |
| 10                    | 079D0ZZ              | Drainage of Aortic Lymphatic, Open Approach                | 67                 | Other procedures;          |
| 10                    | 079D30Z              | Drainage of Aortic Lymphatic with Drain Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 079D3ZX              | Drainage of Aortic Lymphatic, Percutaneous Approach, Diagn | 67                 | Other procedures;          |
| 10                    | 079D3ZZ              | Drainage of Aortic Lymphatic, Percutaneous Approach        | 67                 | Other procedures;          |
| 10                    | 079D40Z              | Drainage of Aortic Lymph with Drain Dev, Perc Endo Approac | 67                 | Other procedures;          |
| 10                    | 079D4ZX              | Drainage of Aortic Lymphatic, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 079D4ZZ              | Drainage of Aortic Lymphatic, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 079F00Z              | Drainage of R Low Extrem Lymph with Drain Dev, Open Approa | 67                 | Other procedures;          |
| 10                    | 079F0ZX              | Drainage of R Low Extrem Lymph, Open Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079F0ZZ              | Drainage of Right Lower Extremity Lymphatic, Open Approach | 67                 | Other procedures;          |
| 10                    | 079F30Z              | Drainage of R Low Extrem Lymph with Drain Dev, Perc Approa | 67                 | Other procedures;          |
| 10                    | 079F3ZX              | Drainage of R Low Extrem Lymph, Perc Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079F3ZZ              | Drainage of Right Lower Extremity Lymphatic, Perc Approach | 67                 | Other procedures;          |
| 10                    | 079F40Z              | Drain R Low Extrem Lymph w Drain Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 079F4ZX              | Drainage of R Low Extrem Lymph, Perc Endo Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 079F4ZZ              | Drainage of R Low Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 079G00Z              | Drainage of L Low Extrem Lymph with Drain Dev, Open Approa | 67                 | Other procedures;          |
| 10                    | 079G0ZX              | Drainage of L Low Extrem Lymph, Open Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079G0ZZ              | Drainage of Left Lower Extremity Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 079G30Z              | Drainage of L Low Extrem Lymph with Drain Dev, Perc Approa | 67                 | Other procedures;          |
| 10                    | 079G3ZX              | Drainage of L Low Extrem Lymph, Perc Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079G3ZZ              | Drainage of Left Lower Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 079G40Z              | Drain L Low Extrem Lymph w Drain Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 079G4ZX              | Drainage of L Low Extrem Lymph, Perc Endo Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 079G4ZZ              | Drainage of L Low Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 079H00Z              | Drainage of R Inqnl Lymph with Drain Dev, Open Approach    | 67                 | Other procedures;          |
| 10                    | 079H0ZX              | Drainage of Right Inguinal Lymphatic, Open Approach, Diagn | 67                 | Other procedures;          |
| 10                    | 079H0ZZ              | Drainage of Right Inguinal Lymphatic, Open Approach        | 67                 | Other procedures;          |
| 10                    | 079H30Z              | Drainage of R Inqnl Lymph with Drain Dev, Perc Approach    | 67                 | Other procedures;          |
| 10                    | 079H3ZX              | Drainage of Right Inguinal Lymphatic, Perc Approach, Diagn | 67                 | Other procedures;          |
| 10                    | 079H3ZZ              | Drainage of Right Inguinal Lymphatic, Percutaneous Approac | 67                 | Other procedures;          |
| 10                    | 079H40Z              | Drainage of R Inqnl Lymph with Drain Dev, Perc Endo Approa | 67                 | Other procedures;          |
| 10                    | 079H4ZX              | Drainage of R Inqnl Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079H4ZZ              | Drainage of Right Inguinal Lymphatic, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 079J00Z              | Drainage of L Inqnl Lymph with Drain Dev, Open Approach    | 67                 | Other procedures;          |
| 10                    | 079J0ZX              | Drainage of Left Inguinal Lymphatic, Open Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 079J0ZZ              | Drainage of Left Inguinal Lymphatic, Open Approach         | 67                 | Other procedures;          |
| 10                    | 079J30Z              | Drainage of L Inqnl Lymph with Drain Dev, Perc Approach    | 67                 | Other procedures;          |
| 10                    | 079J3ZX              | Drainage of Left Inguinal Lymphatic, Perc Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 079J3ZZ              | Drainage of Left Inguinal Lymphatic, Percutaneous Approach | 67                 | Other procedures;          |
| 10                    | 079J40Z              | Drainage of L Inqnl Lymph with Drain Dev, Perc Endo Approa | 67                 | Other procedures;          |
| 10                    | 079J4ZX              | Drainage of L Inqnl Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079J4ZZ              | Drainage of Left Inguinal Lymphatic, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 079K00Z              | Drainage of Thoracic Duct with Drain Dev, Open Approach    | 67                 | Other procedures;          |
| 10                    | 079K0ZX              | Drainage of Thoracic Duct, Open Approach, Diagnostic       | 67                 | Other procedures;          |
| 10                    | 079K0ZZ              | Drainage of Thoracic Duct, Open Approach                   | 67                 | Other procedures;          |
| 10                    | 079K30Z              | Drainage of Thoracic Duct with Drain Dev, Perc Approach    | 67                 | Other procedures;          |
| 10                    | 079K3ZX              | Drainage of Thoracic Duct, Percutaneous Approach, Diagnost | 67                 | Other procedures;          |
| 10                    | 079K3ZZ              | Drainage of Thoracic Duct, Percutaneous Approach           | 67                 | Other procedures;          |
| 10                    | 079K40Z              | Drainage of Thoracic Duct with Drain Dev, Perc Endo Approa | 67                 | Other procedures;          |
| 10                    | 079K4ZX              | Drainage of Thoracic Duct, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 079K4ZZ              | Drainage of Thoracic Duct, Percutaneous Endoscopic Approac | 67                 | Other procedures;          |
| 10                    | 079L00Z              | Drainage of Cisterna Chyli with Drain Dev, Open Approach   | 67                 | Other procedures;          |
| 10                    | 079L0ZX              | Drainage of Cisterna Chyli, Open Approach, Diagnostic      | 67                 | Other procedures;          |
| 10                    | 079L0ZZ              | Drainage of Cisterna Chyli, Open Approach                  | 67                 | Other procedures;          |
| 10                    | 079L30Z              | Drainage of Cisterna Chyli with Drain Dev, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 079L3ZX              | Drainage of Cisterna Chyli, Percutaneous Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 079L3ZZ              | Drainage of Cisterna Chyli, Percutaneous Approach          | 67                 | Other procedures;          |
| 10                    | 079L40Z              | Drain of Cisterna Chyli with Drain Dev, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 079L4ZX              | Drainage of Cisterna Chyli, Perc Endo Approach, Diagn      | 67                 | Other procedures;          |
| 10                    | 079L4ZZ              | Drainage of Cisterna Chyli, Percutaneous Endoscopic Approa | 67                 | Other procedures;          |
| 10                    | 079M00Z              | Drainage of Thymus with Drainage Device, Open Approach     | 67                 | Other procedures;          |
| 10                    | 079M0ZX              | Drainage of Thymus, Open Approach, Diagnostic              | 67                 | Other procedures;          |
| 10                    | 079M0ZZ              | Drainage of Thymus, Open Approach                          | 67                 | Other procedures;          |
| 10                    | 079M30Z              | Drainage of Thymus with Drainage Device, Perc Approach     | 67                 | Other procedures;          |
| 10                    | 079M3ZX              | Drainage of Thymus, Percutaneous Approach, Diagnostic      | 67                 | Other procedures;          |
| 10                    | 079M3ZZ              | Drainage of Thymus, Percutaneous Approach                  | 67                 | Other procedures;          |
| 10                    | 079M40Z              | Drainage of Thymus with Drainage Device, Perc Endo Approac | 67                 | Other procedures;          |
| 10                    | 079M4ZX              | Drainage of Thymus, Percutaneous Endoscopic Approach, Diag | 67                 | Other procedures;          |
| 10                    | 079M4ZZ              | Drainage of Thymus, Percutaneous Endoscopic Approach       | 67                 | Other procedures;          |
| 10                    | 079P00Z              | Drainage of Spleen with Drainage Device, Open Approach     | 66                 | Procedures on spl          |
| 10                    | 079P0ZX              | Drainage of Spleen, Open Approach, Diagnostic              | 67                 | Other procedures;          |
| 10                    | 079P0ZZ              | Drainage of Spleen, Open Approach                          | 66                 | Procedures on spl          |
| 10                    | 079P30Z              | Drainage of Spleen with Drainage Device, Perc Approach     | 66                 | Procedures on spl          |
| 10                    | 079P3ZX              | Drainage of Spleen, Percutaneous Approach, Diagnostic      | 67                 | Other procedures;          |
| 10                    | 079P3ZZ              | Drainage of Spleen, Percutaneous Approach                  | 66                 | Procedures on spl          |
| 10                    | 079P40Z              | Drainage of Spleen with Drainage Device, Perc Endo Approac | 66                 | Procedures on spl          |
| 10                    | 079P4ZX              | Drainage of Spleen, Percutaneous Endoscopic Approach, Diag | 67                 | Other procedures;          |
| 10                    | 079P4ZZ              | Drainage of Spleen, Percutaneous Endoscopic Approach       | 66                 | Procedures on spl          |
| 10                    | 079T00Z              | Drainage of Bone Marrow with Drainage Device, Open Approac | 67                 | Other procedures;          |
| 10                    | 079T0ZX              | Drainage of Bone Marrow, Open Approach                     | 67                 | Other procedures;          |
| 10                    | 079T30Z              | Drainage of Bone Marrow with Drainage Device, Perc Approac | 67                 | Other procedures;          |
| 10                    | 079T3ZZ              | Drainage of Bone Marrow, Percutaneous Approach             | 67                 | Other procedures;          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 079740Z              | Drainage of Bone Marrow with Drain Dev, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 079742Z              | Drainage of Bone Marrow, Percutaneous Endoscopic Approach   | 67                 | Other procedures;          |
| 10                    | 078002X              | Excision of Head Lymphatic, Open Approach, Diagnostic       | 67                 | Other procedures;          |
| 10                    | 078002Z              | Excision of Head Lymphatic, Open Approach                   | 67                 | Other procedures;          |
| 10                    | 078032X              | Excision of Head Lymphatic, Percutaneous Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 078032Z              | Excision of Head Lymphatic, Percutaneous Approach           | 67                 | Other procedures;          |
| 10                    | 078042X              | Excision of Head Lymphatic, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 078042Z              | Excision of Head Lymphatic, Percutaneous Endoscopic Approa  | 67                 | Other procedures;          |
| 10                    | 078102X              | Excision of Right Neck Lymphatic, Open Approach, Diagnosti  | 67                 | Other procedures;          |
| 10                    | 078102Z              | Excision of Right Neck Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 078132X              | Excision of Right Neck Lymphatic, Perc Approach, Diagn      | 67                 | Other procedures;          |
| 10                    | 078132Z              | Excision of Right Neck Lymphatic, Percutaneous Approach     | 67                 | Other procedures;          |
| 10                    | 078142X              | Excision of Right Neck Lymphatic, Perc Endo Approach, Diag  | 67                 | Other procedures;          |
| 10                    | 078142Z              | Excision of Right Neck Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 078202X              | Excision of Left Neck Lymphatic, Open Approach, Diagnostic  | 67                 | Other procedures;          |
| 10                    | 078202Z              | Excision of Left Neck Lymphatic, Open Approach              | 67                 | Other procedures;          |
| 10                    | 078232X              | Excision of Left Neck Lymphatic, Perc Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 078232Z              | Excision of Left Neck Lymphatic, Percutaneous Approach      | 67                 | Other procedures;          |
| 10                    | 078242X              | Excision of Left Neck Lymphatic, Perc Endo Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078242Z              | Excision of Left Neck Lymphatic, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 078302X              | Excision of R Up Extrem Lymph, Open Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078302Z              | Excision of Right Upper Extremity Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 078332X              | Excision of R Up Extrem Lymph, Perc Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078332Z              | Excision of Right Upper Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 078342X              | Excision of R Up Extrem Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 078342Z              | Excision of R Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 078402X              | Excision of L Up Extrem Lymph, Open Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078402Z              | Excision of Left Upper Extremity Lymphatic, Open Approach   | 67                 | Other procedures;          |
| 10                    | 078432X              | Excision of L Up Extrem Lymph, Perc Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078432Z              | Excision of Left Upper Extremity Lymphatic, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 078442X              | Excision of L Up Extrem Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 078442Z              | Excision of L Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 078502X              | Excision of Right Axillary Lymphatic, Open Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078502Z              | Excision of Right Axillary Lymphatic, Open Approach         | 67                 | Other procedures;          |
| 10                    | 078532X              | Excision of Right Axillary Lymphatic, Perc Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078532Z              | Excision of Right Axillary Lymphatic, Percutaneous Approac  | 67                 | Other procedures;          |
| 10                    | 078542X              | Excision of R Axilla Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 078542Z              | Excision of Right Axillary Lymphatic, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 078602X              | Excision of Left Axillary Lymphatic, Open Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078602Z              | Excision of Left Axillary Lymphatic, Open Approach          | 67                 | Other procedures;          |
| 10                    | 078632X              | Excision of Left Axillary Lymphatic, Perc Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078632Z              | Excision of Left Axillary Lymphatic, Percutaneous Approach  | 67                 | Other procedures;          |
| 10                    | 078642X              | Excision of L Axilla Lymph, Perc Endo Approach, Diagn       | 67                 | Other procedures;          |
| 10                    | 078642Z              | Excision of Left Axillary Lymphatic, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 078702X              | Excision of Thorax Lymphatic, Open Approach, Diagnostic     | 67                 | Other procedures;          |
| 10                    | 078702Z              | Excision of Thorax Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 078732X              | Excision of Thorax Lymphatic, Percutaneous Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078732Z              | Excision of Thorax Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 078742X              | Excision of Thorax Lymphatic, Perc Endo Approach, Diagn     | 67                 | Other procedures;          |
| 10                    | 078742Z              | Excision of Thorax Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 078802X              | Excision of Int Mamm, R Lymph, Open Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078802Z              | Excision of Right Internal Mammary Lymphatic, Open Approac  | 67                 | Other procedures;          |
| 10                    | 078832X              | Excision of Int Mamm, R Lymph, Perc Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078832Z              | Excision of Right Internal Mammary Lymphatic, Perc Approach | 67                 | Other procedures;          |
| 10                    | 078842X              | Excision of Int Mamm, R Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 078842Z              | Excision of Int Mamm, R Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 078902X              | Excision of Int Mamm, L Lymph, Open Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078902Z              | Excision of Left Internal Mammary Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 078932X              | Excision of Int Mamm, L Lymph, Perc Approach, Diagn         | 67                 | Other procedures;          |
| 10                    | 078932Z              | Excision of Left Internal Mammary Lymphatic, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 078942X              | Excision of Int Mamm, L Lymph, Perc Endo Approach, Diagn    | 67                 | Other procedures;          |
| 10                    | 078942Z              | Excision of Int Mamm, L Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 078B02X              | Excision of Mesenteric Lymphatic, Open Approach, Diagnosti  | 67                 | Other procedures;          |
| 10                    | 078B02Z              | Excision of Mesenteric Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 078B32X              | Excision of Mesenteric Lymphatic, Perc Approach, Diagn      | 67                 | Other procedures;          |
| 10                    | 078B32Z              | Excision of Mesenteric Lymphatic, Percutaneous Approach     | 67                 | Other procedures;          |
| 10                    | 078B42X              | Excision of Mesenteric Lymphatic, Perc Endo Approach, Diagn | 67                 | Other procedures;          |
| 10                    | 078B42Z              | Excision of Mesenteric Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 078C02X              | Excision of Pelvis Lymphatic, Open Approach, Diagnostic     | 67                 | Other procedures;          |
| 10                    | 078C02Z              | Excision of Pelvis Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 078C32X              | Excision of Pelvis Lymphatic, Percutaneous Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078C32Z              | Excision of Pelvis Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 078C42X              | Excision of Pelvis Lymphatic, Perc Endo Approach, Diagn     | 67                 | Other procedures;          |
| 10                    | 078C42Z              | Excision of Pelvis Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 078D02X              | Excision of Aortic Lymphatic, Open Approach, Diagnostic     | 67                 | Other procedures;          |
| 10                    | 078D02Z              | Excision of Aortic Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 078D32X              | Excision of Aortic Lymphatic, Percutaneous Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078D32Z              | Excision of Aortic Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 078D42X              | Excision of Aortic Lymphatic, Perc Endo Approach, Diagn     | 67                 | Other procedures;          |
| 10                    | 078D42Z              | Excision of Aortic Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 078F02X              | Excision of R Low Extrem Lymph, Open Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078F02Z              | Excision of Right Lower Extremity Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 078F32X              | Excision of R Low Extrem Lymph, Perc Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078F32Z              | Excision of Right Lower Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 078F42X              | Excision of R Low Extrem Lymph, Perc Endo Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078F42Z              | Excision of R Low Extrem Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 078G02X              | Excision of L Low Extrem Lymph, Open Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078G02Z              | Excision of Left Lower Extremity Lymphatic, Open Approach   | 67                 | Other procedures;          |
| 10                    | 078G32X              | Excision of L Low Extrem Lymph, Perc Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078G32Z              | Excision of Left Lower Extremity Lymphatic, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 078G42X              | Excision of L Low Extrem Lymph, Perc Endo Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078G42Z              | Excision of L Low Extrem Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 078H02X              | Excision of Right Inguinal Lymphatic, Open Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078H02Z              | Excision of Right Inguinal Lymphatic, Open Approach         | 67                 | Other procedures;          |
| 10                    | 078H32X              | Excision of Right Inguinal Lymphatic, Perc Approach, Diagn  | 67                 | Other procedures;          |
| 10                    | 078H32Z              | Excision of Right Inguinal Lymphatic, Percutaneous Approac  | 67                 | Other procedures;          |
| 10                    | 078H42X              | Excision of R Inqnl Lymph, Perc Endo Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078H42Z              | Excision of Right Inguinal Lymphatic, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 078J02X              | Excision of Left Inguinal Lymphatic, Open Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078J02Z              | Excision of Left Inguinal Lymphatic, Open Approach          | 67                 | Other procedures;          |
| 10                    | 078J32X              | Excision of Left Inguinal Lymphatic, Perc Approach, Diagn   | 67                 | Other procedures;          |
| 10                    | 078J32Z              | Excision of Left Inguinal Lymphatic, Percutaneous Approach  | 67                 | Other procedures;          |
| 10                    | 078J42X              | Excision of L Inqnl Lymph, Perc Endo Approach, Diagn        | 67                 | Other procedures;          |
| 10                    | 078J42Z              | Excision of Left Inguinal Lymphatic, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 078K02X              | Excision of Thoracic Duct, Open Approach, Diagnostic        | 67                 | Other procedures;          |
| 10                    | 078K02Z              | Excision of Thoracic Duct, Open Approach                    | 67                 | Other procedures;          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 07BK3ZX              | Excision of Thoracic Duct, Percutaneous Approach, Diagnost   | 67                 | Other procedures;         |
| 10                    | 07BK3ZZ              | Excision of Thoracic Duct, Percutaneous Approach             | 67                 | Other procedures;         |
| 10                    | 07BK4ZX              | Excision of Thoracic Duct, Perc Endo Approach, Diagn         | 67                 | Other procedures;         |
| 10                    | 07BK4ZZ              | Excision of Thoracic Duct, Percutaneous Endoscopic Approa    | 67                 | Other procedures;         |
| 10                    | 07BL0ZX              | Excision of Cisterna Chyli, Open Approach, Diagnostic        | 67                 | Other procedures;         |
| 10                    | 07BL0ZZ              | Excision of Cisterna Chyli, Open Approach                    | 67                 | Other procedures;         |
| 10                    | 07BL3ZX              | Excision of Cisterna Chyli, Percutaneous Approach, Diagn     | 67                 | Other procedures;         |
| 10                    | 07BL3ZZ              | Excision of Cisterna Chyli, Percutaneous Approach            | 67                 | Other procedures;         |
| 10                    | 07BL4ZX              | Excision of Cisterna Chyli, Perc Endo Approach, Diagn        | 67                 | Other procedures;         |
| 10                    | 07BL4ZZ              | Excision of Cisterna Chyli, Percutaneous Endoscopic Approa   | 67                 | Other procedures;         |
| 10                    | 07BM0ZX              | Excision of Thymus, Open Approach, Diagnostic                | 67                 | Other procedures;         |
| 10                    | 07BM0ZZ              | Excision of Thymus, Open Approach                            | 67                 | Other procedures;         |
| 10                    | 07BM3ZX              | Excision of Thymus, Percutaneous Approach, Diagnostic        | 67                 | Other procedures;         |
| 10                    | 07BM3ZZ              | Excision of Thymus, Percutaneous Approach                    | 67                 | Other procedures;         |
| 10                    | 07BM4ZX              | Excision of Thymus, Percutaneous Endoscopic Approach, Diag   | 67                 | Other procedures;         |
| 10                    | 07BM4ZZ              | Excision of Thymus, Percutaneous Endoscopic Approach         | 67                 | Other procedures;         |
| 10                    | 07BP0ZX              | Excision of Spleen, Open Approach, Diagnostic                | 67                 | Other procedures;         |
| 10                    | 07BP0ZZ              | Excision of Spleen, Open Approach                            | 66                 | Procedures on spl         |
| 10                    | 07BP3ZX              | Excision of Spleen, Percutaneous Approach, Diagnostic        | 67                 | Other procedures;         |
| 10                    | 07BP3ZZ              | Excision of Spleen, Percutaneous Approach                    | 66                 | Procedures on spl         |
| 10                    | 07BP4ZX              | Excision of Spleen, Percutaneous Endoscopic Approach, Diag   | 67                 | Other procedures;         |
| 10                    | 07BP4ZZ              | Excision of Spleen, Percutaneous Endoscopic Approach         | 66                 | Procedures on spl         |
| 10                    | 07C00ZZ              | Extirpation of Matter from Head Lymphatic, Open Approach     | 67                 | Other procedures;         |
| 10                    | 07C03ZZ              | Extirpation of Matter from Head Lymphatic, Perc Approach     | 67                 | Other procedures;         |
| 10                    | 07C04ZZ              | Extirpation of Matter from Head Lymph, Perc Endo Approach    | 67                 | Other procedures;         |
| 10                    | 07C10ZZ              | Extirpation of Matter from R Neck Lymph, Open Approach       | 67                 | Other procedures;         |
| 10                    | 07C13ZZ              | Extirpation of Matter from R Neck Lymph, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 07C14ZZ              | Extirpation of Matter from R Neck Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07C20ZZ              | Extirpation of Matter from L Neck Lymph, Open Approach       | 67                 | Other procedures;         |
| 10                    | 07C23ZZ              | Extirpation of Matter from L Neck Lymph, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 07C24ZZ              | Extirpation of Matter from L Neck Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07C30ZZ              | Extirpation of Matter from R Up Extrem Lymph, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07C33ZZ              | Extirpation of Matter from R Up Extrem Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07C34ZZ              | Extirpate matter from R Up Extrem Lymph, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07C40ZZ              | Extirpation of Matter from L Up Extrem Lymph, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07C43ZZ              | Extirpation of Matter from L Up Extrem Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07C44ZZ              | Extirpate matter from L Up Extrem Lymph, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07C50ZZ              | Extirpation of Matter from R Axilla Lymph, Open Approach     | 67                 | Other procedures;         |
| 10                    | 07C53ZZ              | Extirpation of Matter from R Axilla Lymph, Perc Approach     | 67                 | Other procedures;         |
| 10                    | 07C54ZZ              | Extirpate of Matter from R Axilla Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07C60ZZ              | Extirpation of Matter from L Axilla Lymph, Open Approach     | 67                 | Other procedures;         |
| 10                    | 07C63ZZ              | Extirpation of Matter from L Axilla Lymph, Perc Approach     | 67                 | Other procedures;         |
| 10                    | 07C64ZZ              | Extirpate of Matter from L Axilla Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07C70ZZ              | Extirpation of Matter from Thorax Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07C73ZZ              | Extirpation of Matter from Thorax Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07C74ZZ              | Extirpation of Matter from Thorax Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07C80ZZ              | Extirpation of Matter from Int Mamm, R Lymph, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07C83ZZ              | Extirpation of Matter from Int Mamm, R Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07C84ZZ              | Extirpate matter from Int Mamm, R Lymph, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07C90ZZ              | Extirpation of Matter from Int Mamm, L Lymph, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07C93ZZ              | Extirpation of Matter from Int Mamm, L Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07C94ZZ              | Extirpate matter from Int Mamm, L Lymph, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07CB0ZZ              | Extirpation of Matter from Mesenteric Lymph, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07CB3ZZ              | Extirpation of Matter from Mesenteric Lymph, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07CB4ZZ              | Extirpate matter from Mesenteric Lymph, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07CC0ZZ              | Extirpation of Matter from Pelvis Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07CC3ZZ              | Extirpation of Matter from Pelvis Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07CC4ZZ              | Extirpation of Matter from Pelvis Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07CD0ZZ              | Extirpation of Matter from Aortic Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07CD3ZZ              | Extirpation of Matter from Aortic Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07CD4ZZ              | Extirpation of Matter from Aortic Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07CF0ZZ              | Extirpation of Matter from R Low Extrem Lymph, Open Approach | 67                 | Other procedures;         |
| 10                    | 07CF3ZZ              | Extirpation of Matter from R Low Extrem Lymph, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07CF4ZZ              | Extirpate matter from R Low Extrem Lymph, Perc Endo          | 67                 | Other procedures;         |
| 10                    | 07CG0ZZ              | Extirpation of Matter from L Low Extrem Lymph, Open Approach | 67                 | Other procedures;         |
| 10                    | 07CG3ZZ              | Extirpation of Matter from L Low Extrem Lymph, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07CG4ZZ              | Extirpate matter from L Low Extrem Lymph, Perc Endo          | 67                 | Other procedures;         |
| 10                    | 07CH0ZZ              | Extirpation of Matter from R Inqnl Lymph, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07CH3ZZ              | Extirpation of Matter from R Inqnl Lymph, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07CH4ZZ              | Extirpation of Matter from R Inqnl Lymph, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 07CI0ZZ              | Extirpation of Matter from L Inqnl Lymph, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07CI3ZZ              | Extirpation of Matter from L Inqnl Lymph, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07CI4ZZ              | Extirpation of Matter from L Inqnl Lymph, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 07CK0ZZ              | Extirpation of Matter from Thoracic Duct, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07CK3ZZ              | Extirpation of Matter from Thoracic Duct, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07CK4ZZ              | Extirpation of Matter from Thoracic Duct, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 07CL0ZZ              | Extirpation of Matter from Cisterna Chyli, Open Approach     | 67                 | Other procedures;         |
| 10                    | 07CL3ZZ              | Extirpation of Matter from Cisterna Chyli, Perc Approach     | 67                 | Other procedures;         |
| 10                    | 07CL4ZZ              | Extirpate of Matter from Cisterna Chyli, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07CM0ZZ              | Extirpation of Matter from Thymus, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07CM3ZZ              | Extirpation of Matter from Thymus, Percutaneous Approach     | 67                 | Other procedures;         |
| 10                    | 07CM4ZZ              | Extirpation of Matter from Thymus, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07CP0ZZ              | Extirpation of Matter from Spleen, Open Approach             | 66                 | Procedures on spl         |
| 10                    | 07CP3ZZ              | Extirpation of Matter from Spleen, Percutaneous Approach     | 66                 | Procedures on spl         |
| 10                    | 07CP4ZZ              | Extirpation of Matter from Spleen, Perc Endo Approach        | 66                 | Procedures on spl         |
| 10                    | 07DQ0ZZ              | Extraction of Sternum Bone Marrow, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07DQ3ZZ              | Extraction of Sternum Bone Marrow, Percutaneous Approach     | 67                 | Other procedures;         |
| 10                    | 07DR0ZZ              | Extraction of Iliac Bone Marrow, Open Approach               | 67                 | Other procedures;         |
| 10                    | 07DR3ZZ              | Extraction of Iliac Bone Marrow, Percutaneous Approach       | 67                 | Other procedures;         |
| 10                    | 07DS0ZZ              | Extraction of Vertebral Bone Marrow, Open Approach           | 67                 | Other procedures;         |
| 10                    | 07DS3ZZ              | Extraction of Vertebral Bone Marrow, Percutaneous Approach   | 67                 | Other procedures;         |
| 10                    | 07HK03Z              | Insertion of Infusion Dev into Thoracic Duct, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07HK33Z              | Insertion of Infusion Dev into Thoracic Duct, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07HK43Z              | Insert Infusion Dev in Thoracic Duct, Perc Endo              | 67                 | Other procedures;         |
| 10                    | 07HL03Z              | Insertion of Infusion Dev into Cisterna Chyli, Open Approach | 67                 | Other procedures;         |
| 10                    | 07HL33Z              | Insertion of Infusion Dev into Cisterna Chyli, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07HL43Z              | Insert Infusion Dev in Cisterna Chyli, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07HM03Z              | Insertion of Infusion Device into Thymus, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07HM33Z              | Insertion of Infusion Device into Thymus, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07HM43Z              | Insertion of Infusion Device into Thymus, Perc Endo Approach | 67                 | Other procedures;         |
| 10                    | 07HN03Z              | Insertion of Infusion Device into Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07HN33Z              | Insertion of Infusion Device into Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07HN43Z              | Insertion of Infusion Device into Lymph, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07HP03Z              | Insertion of Infusion Device into Spleen, Open Approach      | 66                 | Procedures on spl         |
| 10                    | 07HP33Z              | Insertion of Infusion Device into Spleen, Perc Approach      | 66                 | Procedures on spl         |
| 10                    | 07HP43Z              | Insertion of Infusion Device into Spleen, Perc Endo Approach | 66                 | Procedures on spl         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 07JK0ZZ              | Inspection of Thoracic Duct, Open Approach                   | 67                 | Other procedures;         |
| 10                    | 07JK3ZZ              | Inspection of Thoracic Duct, Percutaneous Approach           | 67                 | Other procedures;         |
| 10                    | 07JK4ZZ              | Inspection of Thoracic Duct, Perc Endo Approach              | 67                 | Other procedures;         |
| 10                    | 07JL0ZZ              | Inspection of Cisterna Chyli, Open Approach                  | 67                 | Other procedures;         |
| 10                    | 07JL3ZZ              | Inspection of Cisterna Chyli, Percutaneous Approach          | 67                 | Other procedures;         |
| 10                    | 07JL4ZZ              | Inspection of Cisterna Chyli, Perc Endo Approach             | 67                 | Other procedures;         |
| 10                    | 07JM0ZZ              | Inspection of Thymus, Open Approach                          | 67                 | Other procedures;         |
| 10                    | 07JM3ZZ              | Inspection of Thymus, Percutaneous Approach                  | 67                 | Other procedures;         |
| 10                    | 07JM4ZZ              | Inspection of Thymus, Percutaneous Endoscopic Approach       | 67                 | Other procedures;         |
| 10                    | 07JN0ZZ              | Inspection of Lymphatic, Open Approach                       | 67                 | Other procedures;         |
| 10                    | 07JN3ZZ              | Inspection of Lymphatic, Percutaneous Approach               | 67                 | Other procedures;         |
| 10                    | 07JN4ZZ              | Inspection of Lymphatic, Percutaneous Endoscopic Approach    | 67                 | Other procedures;         |
| 10                    | 07JNXZZ              | Inspection of Lymphatic, External Approach                   | 67                 | Other procedures;         |
| 10                    | 07JP0ZZ              | Inspection of Spleen, Open Approach                          | 67                 | Other procedures;         |
| 10                    | 07JP3ZZ              | Inspection of Spleen, Percutaneous Approach                  | 67                 | Other procedures;         |
| 10                    | 07JP4ZZ              | Inspection of Spleen, Percutaneous Endoscopic Approach       | 67                 | Other procedures;         |
| 10                    | 07JPXZZ              | Inspection of Spleen, External Approach                      | 67                 | Other procedures;         |
| 10                    | 07JT0ZZ              | Inspection of Bone Marrow, Open Approach                     | 67                 | Other procedures;         |
| 10                    | 07JT3ZZ              | Inspection of Bone Marrow, Percutaneous Approach             | 67                 | Other procedures;         |
| 10                    | 07T14ZZ              | Inspection of Bone Marrow, Percutaneous Endoscopic Approach  | 67                 | Other procedures;         |
| 10                    | 07L00CZ              | Occlusion of Head Lymphatic with Extralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L00DZ              | Occlusion of Head Lymphatic with Intralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L00ZZ              | Occlusion of Head Lymphatic, Open Approach                   | 67                 | Other procedures;         |
| 10                    | 07L03CZ              | Occlusion of Head Lymphatic with Extralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L03DZ              | Occlusion of Head Lymphatic with Intralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L03ZZ              | Occlusion of Head Lymphatic, Percutaneous Approach           | 67                 | Other procedures;         |
| 10                    | 07L04CZ              | Occlusion Head Lymph w Extralum Dev, Perc Endo               | 67                 | Other procedures;         |
| 10                    | 07L04DZ              | Occlusion Head Lymph w Intralum Dev, Perc Endo               | 67                 | Other procedures;         |
| 10                    | 07L04ZZ              | Occlusion of Head Lymphatic, Perc Endo Approach              | 67                 | Other procedures;         |
| 10                    | 07L10CZ              | Occlusion of R Neck Lymph with Extralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L10DZ              | Occlusion of R Neck Lymph with Intralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L10ZZ              | Occlusion of Right Neck Lymphatic, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07L13CZ              | Occlusion of R Neck Lymph with Extralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L13DZ              | Occlusion of R Neck Lymph with Intralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L13ZZ              | Occlusion of Right Neck Lymphatic, Percutaneous Approach     | 67                 | Other procedures;         |
| 10                    | 07L14CZ              | Occlusion R Neck Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L14DZ              | Occlusion R Neck Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L14ZZ              | Occlusion of Right Neck Lymphatic, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07L20CZ              | Occlusion of L Neck Lymph with Extralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L20DZ              | Occlusion of L Neck Lymph with Intralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L20ZZ              | Occlusion of Left Neck Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 07L23CZ              | Occlusion of L Neck Lymph with Extralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L23DZ              | Occlusion of L Neck Lymph with Intralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L23ZZ              | Occlusion of Left Neck Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 07L24CZ              | Occlusion L Neck Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L24DZ              | Occlusion L Neck Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L24ZZ              | Occlusion of Left Neck Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 07L30CZ              | Occlusion R Up Extrem Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L30DZ              | Occlusion R Up Extrem Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L30ZZ              | Occlusion of Right Upper Extremity Lymphatic, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07L33CZ              | Occlusion R Up Extrem Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L33DZ              | Occlusion R Up Extrem Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L33ZZ              | Occlusion of Right Upper Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07L34CZ              | Occlusion R Up Extrem Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L34DZ              | Occlusion R Up Extrem Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L34ZZ              | Occlusion of R Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 07L40CZ              | Occlusion L Up Extrem Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L40DZ              | Occlusion L Up Extrem Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L40ZZ              | Occlusion of Left Upper Extremity Lymphatic, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L43CZ              | Occlusion L Up Extrem Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L43DZ              | Occlusion L Up Extrem Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L43ZZ              | Occlusion of Left Upper Extremity Lymphatic, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L44CZ              | Occlusion L Up Extrem Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L44DZ              | Occlusion L Up Extrem Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L44ZZ              | Occlusion of L Up Extrem Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 07L50CZ              | Occlusion of R Axilla Lymph with Extralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L50DZ              | Occlusion of R Axilla Lymph with Intralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L50ZZ              | Occlusion of Right Axillary Lymphatic, Open Approach         | 67                 | Other procedures;         |
| 10                    | 07L53CZ              | Occlusion of R Axilla Lymph with Extralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L53DZ              | Occlusion of R Axilla Lymph with Intralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L53ZZ              | Occlusion of Right Axillary Lymphatic, Percutaneous Appr     | 67                 | Other procedures;         |
| 10                    | 07L54CZ              | Occlusion R Axilla Lymph w Extralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07L54DZ              | Occlusion R Axilla Lymph w Intralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07L54ZZ              | Occlusion of Right Axillary Lymphatic, Perc Endo Approach    | 67                 | Other procedures;         |
| 10                    | 07L60CZ              | Occlusion of L Axilla Lymph with Extralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L60DZ              | Occlusion of L Axilla Lymph with Intralum Dev, Open Appr     | 67                 | Other procedures;         |
| 10                    | 07L60ZZ              | Occlusion of Left Axillary Lymphatic, Open Approach          | 67                 | Other procedures;         |
| 10                    | 07L63CZ              | Occlusion of L Axilla Lymph with Extralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L63DZ              | Occlusion of L Axilla Lymph with Intralum Dev, Perc Appr     | 67                 | Other procedures;         |
| 10                    | 07L63ZZ              | Occlusion of Left Axillary Lymphatic, Percutaneous Approach  | 67                 | Other procedures;         |
| 10                    | 07L64CZ              | Occlusion L Axilla Lymph w Extralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07L64DZ              | Occlusion L Axilla Lymph w Intralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07L64ZZ              | Occlusion of Left Axillary Lymphatic, Perc Endo Approach     | 67                 | Other procedures;         |
| 10                    | 07L70CZ              | Occlusion of Thorax Lymph with Extralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L70DZ              | Occlusion of Thorax Lymph with Intralum Dev, Open Approach   | 67                 | Other procedures;         |
| 10                    | 07L70ZZ              | Occlusion of Thorax Lymphatic, Open Approach                 | 67                 | Other procedures;         |
| 10                    | 07L73CZ              | Occlusion of Thorax Lymph with Extralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L73DZ              | Occlusion of Thorax Lymph with Intralum Dev, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 07L73ZZ              | Occlusion of Thorax Lymphatic, Percutaneous Approach         | 67                 | Other procedures;         |
| 10                    | 07L74CZ              | Occlusion Thorax Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L74DZ              | Occlusion Thorax Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07L74ZZ              | Occlusion of Thorax Lymphatic, Perc Endo Approach            | 67                 | Other procedures;         |
| 10                    | 07L80CZ              | Occlusion Int Mamm, R Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L80DZ              | Occlusion Int Mamm, R Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L80ZZ              | Occlusion of Right Internal Mammary Lymphatic, Open Approach | 67                 | Other procedures;         |
| 10                    | 07L83CZ              | Occlusion Int Mamm, R Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L83DZ              | Occlusion Int Mamm, R Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L83ZZ              | Occlusion of Right Internal Mammary Lymphatic, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07L84CZ              | Occlusion Int Mamm, R Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L84DZ              | Occlusion Int Mamm, R Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07L84ZZ              | Occlusion of Int Mamm, R Lymph, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 07L90CZ              | Occlusion Int Mamm, L Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L90DZ              | Occlusion Int Mamm, L Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07L90ZZ              | Occlusion of Left Internal Mammary Lymphatic, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07L93CZ              | Occlusion Int Mamm, L Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07L93DZ              | Occlusion Int Mamm, L Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 07L93ZZ              | Occlusion of Left Internal Mammary Lymphatic, Perc Approac  | 67                 | Other procedures;          |
| 10                    | 07L94CZ              | Occlusion Int Mamm, L Lymph w Extralum Dev, Perc Endo       | 67                 | Other procedures;          |
| 10                    | 07L94DZ              | Occlusion Int Mamm, L Lymph w Intralum Dev, Perc Endo       | 67                 | Other procedures;          |
| 10                    | 07L94ZZ              | Occlusion of Int Mamm, L Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 07LB0CZ              | Occlusion Mesenteric Lymph w Extralum Dev, Open             | 67                 | Other procedures;          |
| 10                    | 07LB0DZ              | Occlusion Mesenteric Lymph w Intralum Dev, Open             | 67                 | Other procedures;          |
| 10                    | 07LB0ZZ              | Occlusion of Mesenteric Lymphatic, Open Approach            | 67                 | Other procedures;          |
| 10                    | 07LB3CZ              | Occlusion Mesenteric Lymph w Extralum Dev, Perc             | 67                 | Other procedures;          |
| 10                    | 07LB3DZ              | Occlusion Mesenteric Lymph w Intralum Dev, Perc             | 67                 | Other procedures;          |
| 10                    | 07LB3ZZ              | Occlusion of Mesenteric Lymphatic, Percutaneous Approach    | 67                 | Other procedures;          |
| 10                    | 07LB4CZ              | Occlusion Mesenteric Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;          |
| 10                    | 07LB4DZ              | Occlusion Mesenteric Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;          |
| 10                    | 07LB4ZZ              | Occlusion of Mesenteric Lymphatic, Perc Endo Approach       | 67                 | Other procedures;          |
| 10                    | 07LC0CZ              | Occlusion of Pelvis Lymph with Extralum Dev, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07LC0DZ              | Occlusion of Pelvis Lymph with Intralum Dev, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07LC0ZZ              | Occlusion of Pelvis Lymphatic, Open Approach                | 67                 | Other procedures;          |
| 10                    | 07LC3CZ              | Occlusion of Pelvis Lymph with Extralum Dev, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07LC3DZ              | Occlusion of Pelvis Lymph with Intralum Dev, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07LC3ZZ              | Occlusion of Pelvis Lymphatic, Percutaneous Approach        | 67                 | Other procedures;          |
| 10                    | 07LC4CZ              | Occlusion Pelvis Lymph w Extralum Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07LC4DZ              | Occlusion Pelvis Lymph w Intralum Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07LC4ZZ              | Occlusion of Pelvis Lymphatic, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 07LD0CZ              | Occlusion of Aortic Lymph with Extralum Dev, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07LD0DZ              | Occlusion of Aortic Lymph with Intralum Dev, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07LD0ZZ              | Occlusion of Aortic Lymphatic, Open Approach                | 67                 | Other procedures;          |
| 10                    | 07LD3CZ              | Occlusion of Aortic Lymph with Extralum Dev, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07LD3DZ              | Occlusion of Aortic Lymph with Intralum Dev, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07LD3ZZ              | Occlusion of Aortic Lymphatic, Percutaneous Approach        | 67                 | Other procedures;          |
| 10                    | 07LD4CZ              | Occlusion Aortic Lymph w Extralum Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07LD4DZ              | Occlusion Aortic Lymph w Intralum Dev, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07LD4ZZ              | Occlusion of Aortic Lymphatic, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 07LF0CZ              | Occlusion R Low Extrem Lymph w Extralum Dev, Open           | 67                 | Other procedures;          |
| 10                    | 07LF0DZ              | Occlusion R Low Extrem Lymph w Intralum Dev, Open           | 67                 | Other procedures;          |
| 10                    | 07LF0ZZ              | Occlusion of Right Lower Extremity Lymphatic, Open Approach | 67                 | Other procedures;          |
| 10                    | 07LF3CZ              | Occlusion R Low Extrem Lymph w Extralum Dev, Perc           | 67                 | Other procedures;          |
| 10                    | 07LF3DZ              | Occlusion R Low Extrem Lymph w Intralum Dev, Perc           | 67                 | Other procedures;          |
| 10                    | 07LF3ZZ              | Occlusion of Right Lower Extremity Lymphatic, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LF4CZ              | Occlusion R Low Extrem Lymph w Extralum Dev, Perc Endo      | 67                 | Other procedures;          |
| 10                    | 07LF4DZ              | Occlusion R Low Extrem Lymph w Intralum Dev, Perc Endo      | 67                 | Other procedures;          |
| 10                    | 07LF4ZZ              | Occlusion of R Low Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07LG0CZ              | Occlusion L Low Extrem Lymph w Extralum Dev, Open           | 67                 | Other procedures;          |
| 10                    | 07LG0DZ              | Occlusion L Low Extrem Lymph w Intralum Dev, Open           | 67                 | Other procedures;          |
| 10                    | 07LG0ZZ              | Occlusion of Left Lower Extremity Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07LG3CZ              | Occlusion L Low Extrem Lymph w Extralum Dev, Perc           | 67                 | Other procedures;          |
| 10                    | 07LG3DZ              | Occlusion L Low Extrem Lymph w Intralum Dev, Perc           | 67                 | Other procedures;          |
| 10                    | 07LG3ZZ              | Occlusion of Left Lower Extremity Lymphatic, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07LG4CZ              | Occlusion L Low Extrem Lymph w Extralum Dev, Perc Endo      | 67                 | Other procedures;          |
| 10                    | 07LG4DZ              | Occlusion L Low Extrem Lymph w Intralum Dev, Perc Endo      | 67                 | Other procedures;          |
| 10                    | 07LG4ZZ              | Occlusion of L Low Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07LH0CZ              | Occlusion of R Inqnl Lymph with Extralum Dev, Open Approac  | 67                 | Other procedures;          |
| 10                    | 07LH0DZ              | Occlusion of R Inqnl Lymph with Intralum Dev, Open Approac  | 67                 | Other procedures;          |
| 10                    | 07LH0ZZ              | Occlusion of Right Inguinal Lymphatic, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07LH3CZ              | Occlusion of R Inqnl Lymph with Extralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LH3DZ              | Occlusion of R Inqnl Lymph with Intralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LH3ZZ              | Occlusion of Right Inguinal Lymphatic, Percutaneous Approa  | 67                 | Other procedures;          |
| 10                    | 07LH4CZ              | Occlusion R Inqnl Lymph w Extralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LH4DZ              | Occlusion R Inqnl Lymph w Intralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LH4ZZ              | Occlusion of Right Inguinal Lymphatic, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07LI0CZ              | Occlusion of L Inqnl Lymph with Extralum Dev, Open Approac  | 67                 | Other procedures;          |
| 10                    | 07LI0DZ              | Occlusion of L Inqnl Lymph with Intralum Dev, Open Approac  | 67                 | Other procedures;          |
| 10                    | 07LI0ZZ              | Occlusion of Left Inguinal Lymphatic, Open Approach         | 67                 | Other procedures;          |
| 10                    | 07LI3CZ              | Occlusion of L Inqnl Lymph with Extralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LI3DZ              | Occlusion of L Inqnl Lymph with Intralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LI3ZZ              | Occlusion of Left Inguinal Lymphatic, Percutaneous Approach | 67                 | Other procedures;          |
| 10                    | 07LI4CZ              | Occlusion L Inqnl Lymph w Extralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LI4DZ              | Occlusion L Inqnl Lymph w Intralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LI4ZZ              | Occlusion of Left Inguinal Lymphatic, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 07LK0CZ              | Occlusion of Thoracic Duct with Extralum Dev, Open Approach | 67                 | Other procedures;          |
| 10                    | 07LK0DZ              | Occlusion of Thoracic Duct with Intralum Dev, Open Approach | 67                 | Other procedures;          |
| 10                    | 07LK0ZZ              | Occlusion of Thoracic Duct, Open Approach                   | 67                 | Other procedures;          |
| 10                    | 07LK3CZ              | Occlusion of Thoracic Duct with Extralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LK3DZ              | Occlusion of Thoracic Duct with Intralum Dev, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07LK3ZZ              | Occlusion of Thoracic Duct, Percutaneous Approach           | 67                 | Other procedures;          |
| 10                    | 07LK4CZ              | Occlusion Thoracic Duct w Extralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LK4DZ              | Occlusion Thoracic Duct w Intralum Dev, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07LK4ZZ              | Occlusion of Thoracic Duct, Percutaneous Endoscopic Approa  | 67                 | Other procedures;          |
| 10                    | 07LL0CZ              | Occlusion of Cisterna Chyli with Extralum Dev, Open Approa  | 67                 | Other procedures;          |
| 10                    | 07LL0DZ              | Occlusion of Cisterna Chyli with Intralum Dev, Open Approa  | 67                 | Other procedures;          |
| 10                    | 07LL0ZZ              | Occlusion of Cisterna Chyli, Open Approach                  | 67                 | Other procedures;          |
| 10                    | 07LL3CZ              | Occlusion of Cisterna Chyli with Extralum Dev, Perc Approa  | 67                 | Other procedures;          |
| 10                    | 07LL3DZ              | Occlusion of Cisterna Chyli with Intralum Dev, Perc Approa  | 67                 | Other procedures;          |
| 10                    | 07LL3ZZ              | Occlusion of Cisterna Chyli, Percutaneous Approach          | 67                 | Other procedures;          |
| 10                    | 07LL4CZ              | Occlusion Cisterna Chyli w Extralum Dev, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07LL4DZ              | Occlusion Cisterna Chyli w Intralum Dev, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07LL4ZZ              | Occlusion of Cisterna Chyli, Perc Endo Approach             | 67                 | Other procedures;          |
| 10                    | 07N00ZZ              | Release Head Lymphatic, Open Approach                       | 67                 | Other procedures;          |
| 10                    | 07N03ZZ              | Release Head Lymphatic, Percutaneous Approach               | 67                 | Other procedures;          |
| 10                    | 07N04ZZ              | Release Head Lymphatic, Percutaneous Endoscopic Approach    | 67                 | Other procedures;          |
| 10                    | 07N10ZZ              | Release Right Neck Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07N13ZZ              | Release Right Neck Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 07N14ZZ              | Release Right Neck Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07N20ZZ              | Release Left Neck Lymphatic, Open Approach                  | 67                 | Other procedures;          |
| 10                    | 07N23ZZ              | Release Left Neck Lymphatic, Percutaneous Approach          | 67                 | Other procedures;          |
| 10                    | 07N24ZZ              | Release Left Neck Lymphatic, Perc Endo Approach             | 67                 | Other procedures;          |
| 10                    | 07N30ZZ              | Release Right Upper Extremity Lymphatic, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07N33ZZ              | Release Right Upper Extremity Lymphatic, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07N34ZZ              | Release Right Upper Extremity Lymphatic, Perc Endo Approac  | 67                 | Other procedures;          |
| 10                    | 07N40ZZ              | Release Left Upper Extremity Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07N43ZZ              | Release Left Upper Extremity Lymphatic, Perc Approach       | 67                 | Other procedures;          |
| 10                    | 07N44ZZ              | Release Left Upper Extremity Lymphatic, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07N50ZZ              | Release Right Axillary Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 07N53ZZ              | Release Right Axillary Lymphatic, Percutaneous Approach     | 67                 | Other procedures;          |
| 10                    | 07N54ZZ              | Release Right Axillary Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07N60ZZ              | Release Left Axillary Lymphatic, Open Approach              | 67                 | Other procedures;          |
| 10                    | 07N63ZZ              | Release Left Axillary Lymphatic, Percutaneous Approach      | 67                 | Other procedures;          |
| 10                    | 07N64ZZ              | Release Left Axillary Lymphatic, Perc Endo Approach         | 67                 | Other procedures;          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 07N70ZZ              | Release Thorax Lymphatic, Open Approach                      | 67                 | Other procedures;          |
| 10                    | 07N73ZZ              | Release Thorax Lymphatic, Percutaneous Approach              | 67                 | Other procedures;          |
| 10                    | 07N74ZZ              | Release Thorax Lymphatic, Percutaneous Endoscopic Approach   | 67                 | Other procedures;          |
| 10                    | 07N80ZZ              | Release Right Internal Mammary Lymphatic, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07N83ZZ              | Release Right Internal Mammary Lymphatic, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07N84ZZ              | Release Right Internal Mammary Lymphatic, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07N90ZZ              | Release Left Internal Mammary Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07N93ZZ              | Release Left Internal Mammary Lymphatic, Perc Approach       | 67                 | Other procedures;          |
| 10                    | 07N94ZZ              | Release Left Internal Mammary Lymphatic, Perc Endo Approac   | 67                 | Other procedures;          |
| 10                    | 07NB0ZZ              | Release Mesenteric Lymphatic, Open Approach                  | 67                 | Other procedures;          |
| 10                    | 07NB3ZZ              | Release Mesenteric Lymphatic, Percutaneous Approach          | 67                 | Other procedures;          |
| 10                    | 07NB4ZZ              | Release Mesenteric Lymphatic, Perc Endo Approach             | 67                 | Other procedures;          |
| 10                    | 07NC0ZZ              | Release Pelvis Lymphatic, Open Approach                      | 67                 | Other procedures;          |
| 10                    | 07NC3ZZ              | Release Pelvis Lymphatic, Percutaneous Approach              | 67                 | Other procedures;          |
| 10                    | 07NC4ZZ              | Release Pelvis Lymphatic, Percutaneous Endoscopic Approach   | 67                 | Other procedures;          |
| 10                    | 07ND0ZZ              | Release Aortic Lymphatic, Open Approach                      | 67                 | Other procedures;          |
| 10                    | 07ND3ZZ              | Release Aortic Lymphatic, Percutaneous Approach              | 67                 | Other procedures;          |
| 10                    | 07ND4ZZ              | Release Aortic Lymphatic, Percutaneous Endoscopic Approach   | 67                 | Other procedures;          |
| 10                    | 07NF0ZZ              | Release Right Lower Extremity Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07NF3ZZ              | Release Right Lower Extremity Lymphatic, Perc Approach       | 67                 | Other procedures;          |
| 10                    | 07NF4ZZ              | Release Right Lower Extremity Lymphatic, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07NG0ZZ              | Release Left Lower Extremity Lymphatic, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07NG3ZZ              | Release Left Lower Extremity Lymphatic, Perc Approach        | 67                 | Other procedures;          |
| 10                    | 07NG4ZZ              | Release Left Lower Extremity Lymphatic, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07NH0ZZ              | Release Right Inguinal Lymphatic, Open Approach              | 67                 | Other procedures;          |
| 10                    | 07NH3ZZ              | Release Right Inguinal Lymphatic, Percutaneous Approach      | 67                 | Other procedures;          |
| 10                    | 07NH4ZZ              | Release Right Inguinal Lymphatic, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07NJ0ZZ              | Release Left Inguinal Lymphatic, Open Approach               | 67                 | Other procedures;          |
| 10                    | 07NJ3ZZ              | Release Left Inguinal Lymphatic, Percutaneous Approach       | 67                 | Other procedures;          |
| 10                    | 07NJ4ZZ              | Release Left Inguinal Lymphatic, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 07NK0ZZ              | Release Thoracic Duct, Open Approach                         | 67                 | Other procedures;          |
| 10                    | 07NK3ZZ              | Release Thoracic Duct, Percutaneous Approach                 | 67                 | Other procedures;          |
| 10                    | 07NK4ZZ              | Release Thoracic Duct, Percutaneous Endoscopic Approach      | 67                 | Other procedures;          |
| 10                    | 07NL0ZZ              | Release Cisterna Chyli, Open Approach                        | 67                 | Other procedures;          |
| 10                    | 07NL3ZZ              | Release Cisterna Chyli, Percutaneous Approach                | 67                 | Other procedures;          |
| 10                    | 07NL4ZZ              | Release Cisterna Chyli, Percutaneous Endoscopic Approach     | 67                 | Other procedures;          |
| 10                    | 07NM0ZZ              | Release Thymus, Open Approach                                | 67                 | Other procedures;          |
| 10                    | 07NM3ZZ              | Release Thymus, Percutaneous Approach                        | 67                 | Other procedures;          |
| 10                    | 07NM4ZZ              | Release Thymus, Percutaneous Endoscopic Approach             | 67                 | Other procedures;          |
| 10                    | 07PK00Z              | Removal of Drainage Device from Thoracic Duct, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07PK03Z              | Removal of Infusion Device from Thoracic Duct, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07PK07Z              | Removal of Autol Sub from Thoracic Duct, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07PK0CZ              | Removal of Extralum Dev from Thoracic Duct, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07PK0DZ              | Removal of Intralum Dev from Thoracic Duct, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07PK0JZ              | Removal of Synth Sub from Thoracic Duct, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07PK0KZ              | Removal of Nonaut Sub from Thoracic Duct, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07PK30Z              | Removal of Drainage Device from Thoracic Duct, Perc Approa   | 67                 | Other procedures;          |
| 10                    | 07PK33Z              | Removal of Infusion Device from Thoracic Duct, Perc Approa   | 67                 | Other procedures;          |
| 10                    | 07PK37Z              | Removal of Autol Sub from Thoracic Duct, Perc Approach       | 67                 | Other procedures;          |
| 10                    | 07PK3CZ              | Removal of Extralum Dev from Thoracic Duct, Perc Approach    | 67                 | Other procedures;          |
| 10                    | 07PK3DZ              | Removal of Intralum Dev from Thoracic Duct, Perc Approach    | 67                 | Other procedures;          |
| 10                    | 07PK3JZ              | Removal of Synth Sub from Thoracic Duct, Perc Approach       | 67                 | Other procedures;          |
| 10                    | 07PK3KZ              | Removal of Nonaut Sub from Thoracic Duct, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07PK40Z              | Removal of Drain Dev from Thoracic Duct, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PK43Z              | Remove Infusion Dev from Thoracic Duct, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07PK47Z              | Removal of Autol Sub from Thoracic Duct, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PK4CZ              | Remove Extralum Dev from Thoracic Duct, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07PK4DZ              | Remove Intralum Dev from Thoracic Duct, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07PK4JZ              | Removal of Synth Sub from Thoracic Duct, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PK4KZ              | Removal of Nonaut Sub from Thoracic Duct, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07PKX0Z              | Removal of Drain Dev from Thoracic Duct, Extern Approach     | 67                 | Other procedures;          |
| 10                    | 07PKX3Z              | Removal of Infusion Dev from Thoracic Duct, Extern Approach  | 67                 | Other procedures;          |
| 10                    | 07PKXDZ              | Removal of Intralum Dev from Thoracic Duct, Extern Approach  | 67                 | Other procedures;          |
| 10                    | 07PL00Z              | Removal of Drain Dev from Cisterna Chyli, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07PL03Z              | Removal of Infusion Dev from Cisterna Chyli, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07PL07Z              | Removal of Autol Sub from Cisterna Chyli, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07PL0CZ              | Removal of Extralum Dev from Cisterna Chyli, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07PL0DZ              | Removal of Intralum Dev from Cisterna Chyli, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07PL0JZ              | Removal of Synth Sub from Cisterna Chyli, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07PL0KZ              | Removal of Nonaut Sub from Cisterna Chyli, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07PL30Z              | Removal of Drain Dev from Cisterna Chyli, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07PL33Z              | Removal of Infusion Dev from Cisterna Chyli, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 07PL37Z              | Removal of Autol Sub from Cisterna Chyli, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07PL3CZ              | Removal of Extralum Dev from Cisterna Chyli, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 07PL3DZ              | Removal of Intralum Dev from Cisterna Chyli, Perc Approach   | 67                 | Other procedures;          |
| 10                    | 07PL3JZ              | Removal of Synth Sub from Cisterna Chyli, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07PL3KZ              | Removal of Nonaut Sub from Cisterna Chyli, Perc Approach     | 67                 | Other procedures;          |
| 10                    | 07PL40Z              | Removal of Drain Dev from Cisterna Chyli, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 07PL43Z              | Remove Infusion Dev from Cisterna Chyli, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07PL47Z              | Removal of Autol Sub from Cisterna Chyli, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07PL4CZ              | Remove Extralum Dev from Cisterna Chyli, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07PL4DZ              | Remove Intralum Dev from Cisterna Chyli, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07PL4JZ              | Removal of Synth Sub from Cisterna Chyli, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07PL4KZ              | Remove of Nonaut Sub from Cisterna Chyli, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07PLX0Z              | Removal of Drain Dev from Cisterna Chyli, Extern Approach    | 67                 | Other procedures;          |
| 10                    | 07PLX3Z              | Removal of Infusion Dev from Cisterna Chyli, Extern Approa   | 67                 | Other procedures;          |
| 10                    | 07PLXDZ              | Removal of Intralum Dev from Cisterna Chyli, Extern Approa   | 67                 | Other procedures;          |
| 10                    | 07PM00Z              | Removal of Drainage Device from Thymus, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07PM03Z              | Removal of Infusion Device from Thymus, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07PM30Z              | Removal of Drainage Device from Thymus, Perc Approach        | 67                 | Other procedures;          |
| 10                    | 07PM33Z              | Removal of Infusion Device from Thymus, Perc Approach        | 67                 | Other procedures;          |
| 10                    | 07PM40Z              | Removal of Drainage Device from Thymus, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07PM43Z              | Removal of Infusion Device from Thymus, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07PMX0Z              | Removal of Drainage Device from Thymus, External Approach    | 67                 | Other procedures;          |
| 10                    | 07PMX3Z              | Removal of Infusion Device from Thymus, External Approach    | 67                 | Other procedures;          |
| 10                    | 07PN00Z              | Removal of Drainage Device from Lymphatic, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07PN03Z              | Removal of Infusion Device from Lymphatic, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07PN07Z              | Removal of Autol Sub from Lymph, Open Approach               | 67                 | Other procedures;          |
| 10                    | 07PN0CZ              | Removal of Extraluminal Device from Lymphatic, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07PN0DZ              | Removal of Intraluminal Device from Lymphatic, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07PN0JZ              | Removal of Synthetic Substitute from Lymph, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07PN0KZ              | Removal of Nonaut Sub from Lymph, Open Approach              | 67                 | Other procedures;          |
| 10                    | 07PN30Z              | Removal of Drainage Device from Lymphatic, Perc Approach     | 67                 | Other procedures;          |
| 10                    | 07PN33Z              | Removal of Infusion Device from Lymphatic, Perc Approach     | 67                 | Other procedures;          |
| 10                    | 07PN37Z              | Removal of Autol Sub from Lymph, Perc Approach               | 67                 | Other procedures;          |
| 10                    | 07PN3CZ              | Removal of Extraluminal Device from Lymphatic, Perc Approach | 67                 | Other procedures;          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 07PN3DZ              | Removal of Intraluminal Device from Lymphatic, Perc Approa | 67                 | Other procedures;          |
| 10                    | 07PN3JZ              | Removal of Synthetic Substitute from Lymph, Perc Approach  | 67                 | Other procedures;          |
| 10                    | 07PN3KZ              | Removal of Nonaut Sub from Lymph, Perc Approach            | 67                 | Other procedures;          |
| 10                    | 07PN40Z              | Removal of Drainage Device from Lymph, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PN43Z              | Removal of Infusion Device from Lymph, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PN47Z              | Removal of Autol Sub from Lymph, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07PN4CZ              | Removal of Extralum Dev from Lymph, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 07PN4DZ              | Removal of Intralum Dev from Lymph, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 07PN4JZ              | Removal of Synth Sub from Lymph, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07PN4KZ              | Removal of Nonaut Sub from Lymph, Perc Endo Approach       | 67                 | Other procedures;          |
| 10                    | 07PNX0Z              | Removal of Drainage Device from Lymphatic, External Approa | 67                 | Other procedures;          |
| 10                    | 07PNX3Z              | Removal of Infusion Device from Lymphatic, External Approa | 67                 | Other procedures;          |
| 10                    | 07PNXDZ              | Removal of Intraluminal Device from Lymph, Extern Approach | 67                 | Other procedures;          |
| 10                    | 07PP00Z              | Removal of Drainage Device from Spleen, Open Approach      | 66                 | Procedures on spl          |
| 10                    | 07PP03Z              | Removal of Infusion Device from Spleen, Open Approach      | 66                 | Procedures on spl          |
| 10                    | 07PP30Z              | Removal of Drainage Device from Spleen, Perc Approach      | 66                 | Procedures on spl          |
| 10                    | 07PP33Z              | Removal of Infusion Device from Spleen, Perc Approach      | 66                 | Procedures on spl          |
| 10                    | 07PP40Z              | Removal of Drainage Device from Spleen, Perc Endo Approach | 66                 | Procedures on spl          |
| 10                    | 07PP43Z              | Removal of Infusion Device from Spleen, Perc Endo Approach | 66                 | Procedures on spl          |
| 10                    | 07PPX0Z              | Removal of Drainage Device from Spleen, External Approach  | 66                 | Procedures on spl          |
| 10                    | 07PPX3Z              | Removal of Infusion Device from Spleen, External Approach  | 66                 | Procedures on spl          |
| 10                    | 07PT00Z              | Removal of Drainage Device from Bone Marrow, Open Approach | 67                 | Other procedures;          |
| 10                    | 07PT30Z              | Removal of Drainage Device from Bone Marrow, Perc Approach | 67                 | Other procedures;          |
| 10                    | 07PT40Z              | Removal of Drain Dev from Bone Marrow, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07PTX0Z              | Removal of Drainage Device from Bone Marrow, Extern Approa | 67                 | Other procedures;          |
| 10                    | 07Q00ZZ              | Repair Head Lymphatic, Open Approach                       | 67                 | Other procedures;          |
| 10                    | 07Q03ZZ              | Repair Head Lymphatic, Percutaneous Approach               | 67                 | Other procedures;          |
| 10                    | 07Q04ZZ              | Repair Head Lymphatic, Percutaneous Endoscopic Approach    | 67                 | Other procedures;          |
| 10                    | 07Q10ZZ              | Repair Right Neck Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07Q13ZZ              | Repair Right Neck Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 07Q14ZZ              | Repair Right Neck Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07Q20ZZ              | Repair Left Neck Lymphatic, Open Approach                  | 67                 | Other procedures;          |
| 10                    | 07Q23ZZ              | Repair Left Neck Lymphatic, Percutaneous Approach          | 67                 | Other procedures;          |
| 10                    | 07Q24ZZ              | Repair Left Neck Lymphatic, Percutaneous Endoscopic Approa | 67                 | Other procedures;          |
| 10                    | 07Q30ZZ              | Repair Right Upper Extremity Lymphatic, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07Q33ZZ              | Repair Right Upper Extremity Lymphatic, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07Q34ZZ              | Repair Right Upper Extremity Lymphatic, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 07Q40ZZ              | Repair Left Upper Extremity Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07Q43ZZ              | Repair Left Upper Extremity Lymphatic, Percutaneous Approa | 67                 | Other procedures;          |
| 10                    | 07Q44ZZ              | Repair Left Upper Extremity Lymphatic, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07Q50ZZ              | Repair Right Axillary Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 07Q53ZZ              | Repair Right Axillary Lymphatic, Percutaneous Approach     | 67                 | Other procedures;          |
| 10                    | 07Q54ZZ              | Repair Right Axillary Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07Q60ZZ              | Repair Left Axillary Lymphatic, Open Approach              | 67                 | Other procedures;          |
| 10                    | 07Q63ZZ              | Repair Left Axillary Lymphatic, Percutaneous Approach      | 67                 | Other procedures;          |
| 10                    | 07Q64ZZ              | Repair Left Axillary Lymphatic, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07Q70ZZ              | Repair Thorax Lymphatic, Open Approach                     | 67                 | Other procedures;          |
| 10                    | 07Q73ZZ              | Repair Thorax Lymphatic, Percutaneous Approach             | 67                 | Other procedures;          |
| 10                    | 07Q74ZZ              | Repair Thorax Lymphatic, Percutaneous Endoscopic Approach  | 67                 | Other procedures;          |
| 10                    | 07Q80ZZ              | Repair Right Internal Mammary Lymphatic, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07Q83ZZ              | Repair Right Internal Mammary Lymphatic, Perc Approach     | 67                 | Other procedures;          |
| 10                    | 07Q84ZZ              | Repair Right Internal Mammary Lymphatic, Perc Endo Approac | 67                 | Other procedures;          |
| 10                    | 07Q90ZZ              | Repair Left Internal Mammary Lymphatic, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07Q93ZZ              | Repair Left Internal Mammary Lymphatic, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07Q94ZZ              | Repair Left Internal Mammary Lymphatic, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 07QB0ZZ              | Repair Mesenteric Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07QB3ZZ              | Repair Mesenteric Lymphatic, Percutaneous Approach         | 67                 | Other procedures;          |
| 10                    | 07QB4ZZ              | Repair Mesenteric Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07QC0ZZ              | Repair Pelvis Lymphatic, Open Approach                     | 67                 | Other procedures;          |
| 10                    | 07QC3ZZ              | Repair Pelvis Lymphatic, Percutaneous Approach             | 67                 | Other procedures;          |
| 10                    | 07QC4ZZ              | Repair Pelvis Lymphatic, Percutaneous Endoscopic Approach  | 67                 | Other procedures;          |
| 10                    | 07QD0ZZ              | Repair Aortic Lymphatic, Open Approach                     | 67                 | Other procedures;          |
| 10                    | 07QD3ZZ              | Repair Aortic Lymphatic, Percutaneous Approach             | 67                 | Other procedures;          |
| 10                    | 07QD4ZZ              | Repair Aortic Lymphatic, Percutaneous Endoscopic Approach  | 67                 | Other procedures;          |
| 10                    | 07QF0ZZ              | Repair Right Lower Extremity Lymphatic, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07QF3ZZ              | Repair Right Lower Extremity Lymphatic, Perc Approach      | 67                 | Other procedures;          |
| 10                    | 07QF4ZZ              | Repair Right Lower Extremity Lymphatic, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 07QG0ZZ              | Repair Left Lower Extremity Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07QG3ZZ              | Repair Left Lower Extremity Lymphatic, Percutaneous Approa | 67                 | Other procedures;          |
| 10                    | 07QG4ZZ              | Repair Left Lower Extremity Lymphatic, Perc Endo Approach  | 67                 | Other procedures;          |
| 10                    | 07QH0ZZ              | Repair Right Inguinal Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 07QH3ZZ              | Repair Right Inguinal Lymphatic, Percutaneous Approach     | 67                 | Other procedures;          |
| 10                    | 07QH4ZZ              | Repair Right Inguinal Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07QJ0ZZ              | Repair Left Inguinal Lymphatic, Open Approach              | 67                 | Other procedures;          |
| 10                    | 07QJ3ZZ              | Repair Left Inguinal Lymphatic, Percutaneous Approach      | 67                 | Other procedures;          |
| 10                    | 07QJ4ZZ              | Repair Left Inguinal Lymphatic, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07QK0ZZ              | Repair Thoracic Duct, Open Approach                        | 67                 | Other procedures;          |
| 10                    | 07QK3ZZ              | Repair Thoracic Duct, Percutaneous Approach                | 67                 | Other procedures;          |
| 10                    | 07QK4ZZ              | Repair Thoracic Duct, Percutaneous Endoscopic Approach     | 67                 | Other procedures;          |
| 10                    | 07QL0ZZ              | Repair Cisterna Chyli, Open Approach                       | 67                 | Other procedures;          |
| 10                    | 07QL3ZZ              | Repair Cisterna Chyli, Percutaneous Approach               | 67                 | Other procedures;          |
| 10                    | 07QL4ZZ              | Repair Cisterna Chyli, Percutaneous Endoscopic Approach    | 67                 | Other procedures;          |
| 10                    | 07QM0ZZ              | Repair Thymus, Open Approach                               | 67                 | Other procedures;          |
| 10                    | 07QM3ZZ              | Repair Thymus, Percutaneous Approach                       | 67                 | Other procedures;          |
| 10                    | 07QM4ZZ              | Repair Thymus, Percutaneous Endoscopic Approach            | 67                 | Other procedures;          |
| 10                    | 07QP0ZZ              | Repair Spleen, Open Approach                               | 66                 | Procedures on spl          |
| 10                    | 07QP3ZZ              | Repair Spleen, Percutaneous Approach                       | 66                 | Procedures on spl          |
| 10                    | 07QP4ZZ              | Repair Spleen, Percutaneous Endoscopic Approach            | 66                 | Procedures on spl          |
| 10                    | 07SM0ZZ              | Reposition Thymus, Open Approach                           | 67                 | Other procedures;          |
| 10                    | 07SP0ZZ              | Reposition Spleen, Open Approach                           | 66                 | Procedures on spl          |
| 10                    | 07T00ZZ              | Resection of Head Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07T04ZZ              | Resection of Head Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07T10ZZ              | Resection of Right Neck Lymphatic, Open Approach           | 67                 | Other procedures;          |
| 10                    | 07T10ZZ              | Resection of Right Neck Lymphatic, Open Approach           | 67                 | Other procedures;          |
| 10                    | 07T14ZZ              | Resection of Right Neck Lymphatic, Perc Endo Approach      | 67                 | Other procedures;          |
| 10                    | 07T14ZZ              | Resection of Right Neck Lymphatic, Perc Endo Approach      | 67                 | Other procedures;          |
| 10                    | 07T20ZZ              | Resection of Left Neck Lymphatic, Open Approach            | 67                 | Other procedures;          |
| 10                    | 07T20ZZ              | Resection of Left Neck Lymphatic, Open Approach            | 67                 | Other procedures;          |
| 10                    | 07T24ZZ              | Resection of Left Neck Lymphatic, Perc Endo Approach       | 67                 | Other procedures;          |
| 10                    | 07T24ZZ              | Resection of Left Neck Lymphatic, Perc Endo Approach       | 67                 | Other procedures;          |
| 10                    | 07T30ZZ              | Resection of Right Upper Extremity Lymphatic, Open Approac | 67                 | Other procedures;          |
| 10                    | 07T34ZZ              | Resection of R Up Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07T40ZZ              | Resection of Left Upper Extremity Lymphatic, Open Approach | 67                 | Other procedures;          |
| 10                    | 07T44ZZ              | Resection of L Up Extrem Lymph, Perc Endo Approach         | 67                 | Other procedures;          |
| 10                    | 07T50ZZ              | Resection of Right Axillary Lymphatic, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07T54ZZ              | Resection of Right Axillary Lymphatic, Perc Endo Approach  | 67                 | Other procedures;          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 07T60ZZ              | Resection of Left Axillary Lymphatic, Open Approach          | 67                 | Other procedures;          |
| 10                    | 07T64ZZ              | Resection of Left Axillary Lymphatic, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 07T70ZZ              | Resection of Thorax Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07T74ZZ              | Resection of Thorax Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07T80ZZ              | Resection of Right Internal Mammary Lymphatic, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07T84ZZ              | Resection of Int Mamm, R Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 07T90ZZ              | Resection of Left Internal Mammary Lymphatic, Open Approac   | 67                 | Other procedures;          |
| 10                    | 07T94ZZ              | Resection of Int Mamm, L Lymph, Perc Endo Approach           | 67                 | Other procedures;          |
| 10                    | 07TB0ZZ              | Resection of Mesenteric Lymphatic, Open Approach             | 67                 | Other procedures;          |
| 10                    | 07TB4ZZ              | Resection of Mesenteric Lymphatic, Perc Endo Approach        | 67                 | Other procedures;          |
| 10                    | 07TC0ZZ              | Resection of Pelvis Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07TC4ZZ              | Resection of Pelvis Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07TD0ZZ              | Resection of Aortic Lymphatic, Open Approach                 | 67                 | Other procedures;          |
| 10                    | 07TD4ZZ              | Resection of Aortic Lymphatic, Perc Endo Approach            | 67                 | Other procedures;          |
| 10                    | 07TF0ZZ              | Resection of Right Lower Extremity Lymphatic, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07TF4ZZ              | Resection of R Low Extrem Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 07TG0ZZ              | Resection of Left Lower Extremity Lymphatic, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07TG4ZZ              | Resection of L Low Extrem Lymph, Perc Endo Approach          | 67                 | Other procedures;          |
| 10                    | 07TH0ZZ              | Resection of Right Inguinal Lymphatic, Open Approach         | 67                 | Other procedures;          |
| 10                    | 07TH4ZZ              | Resection of Right Inguinal Lymphatic, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 07TI0ZZ              | Resection of Left Inguinal Lymphatic, Open Approach          | 67                 | Other procedures;          |
| 10                    | 07TI4ZZ              | Resection of Left Inguinal Lymphatic, Perc Endo Approach     | 67                 | Other procedures;          |
| 10                    | 07TK0ZZ              | Resection of Thoracic Duct, Open Approach                    | 67                 | Other procedures;          |
| 10                    | 07TK4ZZ              | Resection of Thoracic Duct, Percutaneous Endoscopic Approa   | 67                 | Other procedures;          |
| 10                    | 07TL0ZZ              | Resection of Cisterna Chyli, Open Approach                   | 67                 | Other procedures;          |
| 10                    | 07TL4ZZ              | Resection of Cisterna Chyli, Perc Endo Approach              | 67                 | Other procedures;          |
| 10                    | 07TM0ZZ              | Resection of Thymus, Open Approach                           | 67                 | Other procedures;          |
| 10                    | 07TM4ZZ              | Resection of Thymus, Percutaneous Endoscopic Approach        | 67                 | Other procedures;          |
| 10                    | 07TP0ZZ              | Resection of Spleen, Open Approach                           | 66                 | Procedures on spl          |
| 10                    | 07TP4ZZ              | Resection of Spleen, Percutaneous Endoscopic Approach        | 66                 | Procedures on spl          |
| 10                    | 07U007Z              | Supplement Head Lymphatic with Autol Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U00JZ              | Supplement Head Lymphatic with Synth Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U00KZ              | Supplement Head Lymphatic with Nonaut Sub, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07U047Z              | Supplement Head Lymphatic with Autol Sub, Perc Endo Approach | 67                 | Other procedures;          |
| 10                    | 07U04JZ              | Supplement Head Lymphatic with Synth Sub, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07U04KZ              | Supplement Head Lymph with Nonaut Sub, Perc Endo Approach    | 67                 | Other procedures;          |
| 10                    | 07U107Z              | Supplement R Neck Lymph with Autol Sub, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07U10JZ              | Supplement R Neck Lymph with Synth Sub, Open Approach        | 67                 | Other procedures;          |
| 10                    | 07U10KZ              | Supplement R Neck Lymph with Nonaut Sub, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07U147Z              | Supplement R Neck Lymph with Autol Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U14JZ              | Supplement R Neck Lymph with Synth Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U14KZ              | Supplement R Neck Lymph with Nonaut Sub, Perc Endo Approac   | 67                 | Other procedures;          |
| 10                    | 07U207Z              | Supplement Left Neck Lymphatic with Autol Sub, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07U20JZ              | Supplement Left Neck Lymphatic with Synth Sub, Open Approa   | 67                 | Other procedures;          |
| 10                    | 07U20KZ              | Supplement L Neck Lymph with Nonaut Sub, Open Approach       | 67                 | Other procedures;          |
| 10                    | 07U247Z              | Supplement L Neck Lymph with Autol Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U24JZ              | Supplement L Neck Lymph with Synth Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U24KZ              | Supplement L Neck Lymph with Nonaut Sub, Perc Endo Approac   | 67                 | Other procedures;          |
| 10                    | 07U307Z              | Supplement R Up Extrem Lymph with Autol Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U30JZ              | Supplement R Up Extrem Lymph with Synth Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U30KZ              | Supplement R Up Extrem Lymph with Nonaut Sub, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07U347Z              | Supplement R Up Extrem Lymph w Autol Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U34JZ              | Supplement R Up Extrem Lymph w Synth Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U34KZ              | Supplement R Up Extrem Lymph w Nonaut Sub, Perc Endo         | 67                 | Other procedures;          |
| 10                    | 07U407Z              | Supplement L Up Extrem Lymph with Autol Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U40JZ              | Supplement L Up Extrem Lymph with Synth Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U40KZ              | Supplement L Up Extrem Lymph with Nonaut Sub, Open Approach  | 67                 | Other procedures;          |
| 10                    | 07U447Z              | Supplement L Up Extrem Lymph w Autol Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U44JZ              | Supplement L Up Extrem Lymph w Synth Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U44KZ              | Supplement L Up Extrem Lymph w Nonaut Sub, Perc Endo         | 67                 | Other procedures;          |
| 10                    | 07U507Z              | Supplement R Axilla Lymph with Autol Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U50JZ              | Supplement R Axilla Lymph with Synth Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U50KZ              | Supplement R Axilla Lymph with Nonaut Sub, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07U547Z              | Supplement R Axilla Lymph with Autol Sub, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07U54JZ              | Supplement R Axilla Lymph with Synth Sub, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07U54KZ              | Supplement R Axilla Lymph w Nonaut Sub, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07U607Z              | Supplement L Axilla Lymph with Autol Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U60JZ              | Supplement L Axilla Lymph with Synth Sub, Open Approach      | 67                 | Other procedures;          |
| 10                    | 07U60KZ              | Supplement L Axilla Lymph with Nonaut Sub, Open Approach     | 67                 | Other procedures;          |
| 10                    | 07U647Z              | Supplement L Axilla Lymph with Autol Sub, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07U64JZ              | Supplement L Axilla Lymph with Synth Sub, Perc Endo Approa   | 67                 | Other procedures;          |
| 10                    | 07U64KZ              | Supplement L Axilla Lymph w Nonaut Sub, Perc Endo            | 67                 | Other procedures;          |
| 10                    | 07U707Z              | Supplement Thorax Lymphatic with Autol Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07U70JZ              | Supplement Thorax Lymphatic with Synth Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07U70KZ              | Supplement Thorax Lymphatic with Nonaut Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U747Z              | Supplement Thorax Lymph with Autol Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U74JZ              | Supplement Thorax Lymph with Synth Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07U74KZ              | Supplement Thorax Lymph with Nonaut Sub, Perc Endo Approac   | 67                 | Other procedures;          |
| 10                    | 07U807Z              | Supplement Int Mamm, R Lymph with Autol Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U80JZ              | Supplement Int Mamm, R Lymph with Synth Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U80KZ              | Supplement Int Mamm, R Lymph with Nonaut Sub, Open Approac   | 67                 | Other procedures;          |
| 10                    | 07U847Z              | Supplement Int Mamm, R Lymph w Autol Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U84JZ              | Supplement Int Mamm, R Lymph w Synth Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U84KZ              | Supplement Int Mamm, R Lymph w Nonaut Sub, Perc Endo         | 67                 | Other procedures;          |
| 10                    | 07U907Z              | Supplement Int Mamm, L Lymph with Autol Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U90JZ              | Supplement Int Mamm, L Lymph with Synth Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U90KZ              | Supplement Int Mamm, L Lymph with Nonaut Sub, Open Approac   | 67                 | Other procedures;          |
| 10                    | 07U947Z              | Supplement Int Mamm, L Lymph w Autol Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U94JZ              | Supplement Int Mamm, L Lymph w Synth Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07U94KZ              | Supplement Int Mamm, L Lymph w Nonaut Sub, Perc Endo         | 67                 | Other procedures;          |
| 10                    | 07U807Z              | Supplement Mesenteric Lymph with Autol Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07U80JZ              | Supplement Mesenteric Lymph with Synth Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07U80KZ              | Supplement Mesenteric Lymph with Nonaut Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07U847Z              | Supplement Mesenteric Lymph w Autol Sub, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07U84JZ              | Supplement Mesenteric Lymph w Synth Sub, Perc Endo           | 67                 | Other procedures;          |
| 10                    | 07U84KZ              | Supplement Mesenteric Lymph w Nonaut Sub, Perc Endo          | 67                 | Other procedures;          |
| 10                    | 07UC07Z              | Supplement Pelvis Lymphatic with Autol Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07UC0JZ              | Supplement Pelvis Lymphatic with Synth Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07UC0KZ              | Supplement Pelvis Lymphatic with Nonaut Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07UC47Z              | Supplement Pelvis Lymph with Autol Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07UC4JZ              | Supplement Pelvis Lymph with Synth Sub, Perc Endo Approach   | 67                 | Other procedures;          |
| 10                    | 07UC4KZ              | Supplement Pelvis Lymph with Nonaut Sub, Perc Endo Approac   | 67                 | Other procedures;          |
| 10                    | 07UD07Z              | Supplement Aortic Lymphatic with Autol Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07UD0JZ              | Supplement Aortic Lymphatic with Synth Sub, Open Approach    | 67                 | Other procedures;          |
| 10                    | 07UD0KZ              | Supplement Aortic Lymphatic with Nonaut Sub, Open Approach   | 67                 | Other procedures;          |
| 10                    | 07UD47Z              | Supplement Aortic Lymph with Autol Sub, Perc Endo Approach   | 67                 | Other procedures;          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 07V73Z2              | Restriction of Thorax Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 07V74CZ              | Restrict Thorax Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07V74DZ              | Restrict Thorax Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07V74ZZ              | Restriction of Thorax Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 07V80CZ              | Restrict Int Mamm, R Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07V80DZ              | Restrict Int Mamm, R Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07V80ZZ              | Restriction of Int Mamm, R Lymph, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07V83CZ              | Restrict Int Mamm, R Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07V83DZ              | Restrict Int Mamm, R Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07V83ZZ              | Restriction of Int Mamm, R Lymph, Perc Approach             | 67                 | Other procedures;         |
| 10                    | 07V84CZ              | Restrict Int Mamm, R Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07V84DZ              | Restrict Int Mamm, R Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07V84ZZ              | Restriction of Int Mamm, R Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07V90CZ              | Restrict Int Mamm, L Lymph w Extralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07V90DZ              | Restrict Int Mamm, L Lymph w Intralum Dev, Open             | 67                 | Other procedures;         |
| 10                    | 07V90ZZ              | Restriction of Int Mamm, L Lymph, Open Approach             | 67                 | Other procedures;         |
| 10                    | 07V93CZ              | Restrict Int Mamm, L Lymph w Extralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07V93DZ              | Restrict Int Mamm, L Lymph w Intralum Dev, Perc             | 67                 | Other procedures;         |
| 10                    | 07V93ZZ              | Restriction of Int Mamm, L Lymph, Perc Approach             | 67                 | Other procedures;         |
| 10                    | 07V94CZ              | Restrict Int Mamm, L Lymph w Extralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07V94DZ              | Restrict Int Mamm, L Lymph w Intralum Dev, Perc Endo        | 67                 | Other procedures;         |
| 10                    | 07V94ZZ              | Restriction of Int Mamm, L Lymph, Perc Endo Approach        | 67                 | Other procedures;         |
| 10                    | 07V80CZ              | Restrict Mesenteric Lymph w Extralum Dev, Open              | 67                 | Other procedures;         |
| 10                    | 07V80DZ              | Restrict Mesenteric Lymph w Intralum Dev, Open              | 67                 | Other procedures;         |
| 10                    | 07V80ZZ              | Restriction of Mesenteric Lymphatic, Open Approach          | 67                 | Other procedures;         |
| 10                    | 07V83CZ              | Restrict Mesenteric Lymph w Extralum Dev, Perc              | 67                 | Other procedures;         |
| 10                    | 07V83DZ              | Restrict Mesenteric Lymph w Intralum Dev, Perc              | 67                 | Other procedures;         |
| 10                    | 07V83ZZ              | Restriction of Mesenteric Lymphatic, Percutaneous Approach  | 67                 | Other procedures;         |
| 10                    | 07V84CZ              | Restrict Mesenteric Lymph w Extralum Dev, Perc Endo         | 67                 | Other procedures;         |
| 10                    | 07V84DZ              | Restrict Mesenteric Lymph w Intralum Dev, Perc Endo         | 67                 | Other procedures;         |
| 10                    | 07V84ZZ              | Restriction of Mesenteric Lymphatic, Perc Endo Approach     | 67                 | Other procedures;         |
| 10                    | 07VC0CZ              | Restriction of Pelvis Lymph with Extralum Dev, Open Appra   | 67                 | Other procedures;         |
| 10                    | 07VC0DZ              | Restriction of Pelvis Lymph with Intralum Dev, Open Appra   | 67                 | Other procedures;         |
| 10                    | 07VC0ZZ              | Restriction of Pelvis Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 07VC3CZ              | Restriction of Pelvis Lymph with Extralum Dev, Perc Appra   | 67                 | Other procedures;         |
| 10                    | 07VC3DZ              | Restriction of Pelvis Lymph with Intralum Dev, Perc Appra   | 67                 | Other procedures;         |
| 10                    | 07VC3ZZ              | Restriction of Pelvis Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 07VC4CZ              | Restrict Pelvis Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07VC4DZ              | Restrict Pelvis Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07VC4ZZ              | Restriction of Pelvis Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 07VD0CZ              | Restriction of Aortic Lymph with Extralum Dev, Open Appra   | 67                 | Other procedures;         |
| 10                    | 07VD0DZ              | Restriction of Aortic Lymph with Intralum Dev, Open Appra   | 67                 | Other procedures;         |
| 10                    | 07VD0ZZ              | Restriction of Aortic Lymphatic, Open Approach              | 67                 | Other procedures;         |
| 10                    | 07VD3CZ              | Restriction of Aortic Lymph with Extralum Dev, Perc Appra   | 67                 | Other procedures;         |
| 10                    | 07VD3DZ              | Restriction of Aortic Lymph with Intralum Dev, Perc Appra   | 67                 | Other procedures;         |
| 10                    | 07VD3ZZ              | Restriction of Aortic Lymphatic, Percutaneous Approach      | 67                 | Other procedures;         |
| 10                    | 07VD4CZ              | Restrict Aortic Lymph w Extralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07VD4DZ              | Restrict Aortic Lymph w Intralum Dev, Perc Endo             | 67                 | Other procedures;         |
| 10                    | 07VD4ZZ              | Restriction of Aortic Lymphatic, Perc Endo Approach         | 67                 | Other procedures;         |
| 10                    | 07VF0CZ              | Restrict R Low Extrem Lymph w Extralum Dev, Open            | 67                 | Other procedures;         |
| 10                    | 07VF0DZ              | Restrict R Low Extrem Lymph w Intralum Dev, Open            | 67                 | Other procedures;         |
| 10                    | 07VF0ZZ              | Restriction of R Low Extrem Lymph, Open Approach            | 67                 | Other procedures;         |
| 10                    | 07VF3CZ              | Restrict R Low Extrem Lymph w Extralum Dev, Perc            | 67                 | Other procedures;         |
| 10                    | 07VF3DZ              | Restrict R Low Extrem Lymph w Intralum Dev, Perc            | 67                 | Other procedures;         |
| 10                    | 07VF3ZZ              | Restriction of R Low Extrem Lymph, Perc Approach            | 67                 | Other procedures;         |
| 10                    | 07VF4CZ              | Restrict R Low Extrem Lymph w Extralum Dev, Perc Endo       | 67                 | Other procedures;         |
| 10                    | 07VF4DZ              | Restrict R Low Extrem Lymph w Intralum Dev, Perc Endo       | 67                 | Other procedures;         |
| 10                    | 07VF4ZZ              | Restriction of R Low Extrem Lymph, Perc Endo Approach       | 67                 | Other procedures;         |
| 10                    | 07VG0CZ              | Restrict L Low Extrem Lymph w Extralum Dev, Open            | 67                 | Other procedures;         |
| 10                    | 07VG0DZ              | Restrict L Low Extrem Lymph w Intralum Dev, Open            | 67                 | Other procedures;         |
| 10                    | 07VG0ZZ              | Restriction of Left Lower Extremity Lymphatic, Open Appra   | 67                 | Other procedures;         |
| 10                    | 07VG3CZ              | Restrict L Low Extrem Lymph w Extralum Dev, Perc            | 67                 | Other procedures;         |
| 10                    | 07VG3DZ              | Restrict L Low Extrem Lymph w Intralum Dev, Perc            | 67                 | Other procedures;         |
| 10                    | 07VG3ZZ              | Restriction of Left Lower Extremity Lymphatic, Perc Appra   | 67                 | Other procedures;         |
| 10                    | 07VG4CZ              | Restrict L Low Extrem Lymph w Extralum Dev, Perc Endo       | 67                 | Other procedures;         |
| 10                    | 07VG4DZ              | Restrict L Low Extrem Lymph w Intralum Dev, Perc Endo       | 67                 | Other procedures;         |
| 10                    | 07VG4ZZ              | Restriction of L Low Extrem Lymph, Perc Endo Approach       | 67                 | Other procedures;         |
| 10                    | 07VH0CZ              | Restrict of R Inqnl Lymph with Extralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VH0DZ              | Restrict of R Inqnl Lymph with Intralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VH0ZZ              | Restriction of Right Inguinal Lymphatic, Open Approach      | 67                 | Other procedures;         |
| 10                    | 07VH3CZ              | Restrict of R Inqnl Lymph with Extralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VH3DZ              | Restrict of R Inqnl Lymph with Intralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VH3ZZ              | Restriction of Right Inguinal Lymphatic, Perc Approach      | 67                 | Other procedures;         |
| 10                    | 07VH4CZ              | Restrict R Inqnl Lymph w Extralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VH4DZ              | Restrict R Inqnl Lymph w Intralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VH4ZZ              | Restriction of Right Inguinal Lymphatic, Perc Endo Approac  | 67                 | Other procedures;         |
| 10                    | 07VJ0CZ              | Restrict of L Inqnl Lymph with Extralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VJ0DZ              | Restrict of L Inqnl Lymph with Intralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VJ0ZZ              | Restriction of Left Inguinal Lymphatic, Open Approach       | 67                 | Other procedures;         |
| 10                    | 07VJ3CZ              | Restrict of L Inqnl Lymph with Extralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VJ3DZ              | Restrict of L Inqnl Lymph with Intralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VJ3ZZ              | Restriction of Left Inguinal Lymphatic, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 07VJ4CZ              | Restrict L Inqnl Lymph w Extralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VJ4DZ              | Restrict L Inqnl Lymph w Intralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VJ4ZZ              | Restriction of Left Inguinal Lymphatic, Perc Endo Approach  | 67                 | Other procedures;         |
| 10                    | 07VK0CZ              | Restrict of Thoracic Duct with Extralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VK0DZ              | Restrict of Thoracic Duct with Intralum Dev, Open Approach  | 67                 | Other procedures;         |
| 10                    | 07VK0ZZ              | Restriction of Thoracic Duct, Open Approach                 | 67                 | Other procedures;         |
| 10                    | 07VK3CZ              | Restrict of Thoracic Duct with Extralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VK3DZ              | Restrict of Thoracic Duct with Intralum Dev, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 07VK3ZZ              | Restriction of Thoracic Duct, Percutaneous Approach         | 67                 | Other procedures;         |
| 10                    | 07VK4CZ              | Restrict Thoracic Duct w Extralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VK4DZ              | Restrict Thoracic Duct w Intralum Dev, Perc Endo            | 67                 | Other procedures;         |
| 10                    | 07VK4ZZ              | Restriction of Thoracic Duct, Perc Endo Approach            | 67                 | Other procedures;         |
| 10                    | 07VL0CZ              | Restrict of Cisterna Chyli with Extralum Dev, Open Approac  | 67                 | Other procedures;         |
| 10                    | 07VL0DZ              | Restrict of Cisterna Chyli with Intralum Dev, Open Approac  | 67                 | Other procedures;         |
| 10                    | 07VL0ZZ              | Restriction of Cisterna Chyli, Open Approach                | 67                 | Other procedures;         |
| 10                    | 07VL3CZ              | Restrict of Cisterna Chyli with Extralum Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07VL3DZ              | Restrict of Cisterna Chyli with Intralum Dev, Perc Approach | 67                 | Other procedures;         |
| 10                    | 07VL3ZZ              | Restriction of Cisterna Chyli, Percutaneous Approach        | 67                 | Other procedures;         |
| 10                    | 07VL4CZ              | Restrict Cisterna Chyli w Extralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07VL4DZ              | Restrict Cisterna Chyli w Intralum Dev, Perc Endo           | 67                 | Other procedures;         |
| 10                    | 07VL4ZZ              | Restriction of Cisterna Chyli, Perc Endo Approach           | 67                 | Other procedures;         |
| 10                    | 07WK00Z              | Revision of Drainage Device in Thoracic Duct, Open Approac  | 67                 | Other procedures;         |
| 10                    | 07WK03Z              | Revision of Infusion Device in Thoracic Duct, Open Approac  | 67                 | Other procedures;         |
| 10                    | 07WK07Z              | Revision of Autol Sub in Thoracic Duct, Open Approach       | 67                 | Other procedures;         |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 07YP0Z2              | Transplantation of Spleen, Zooplastic, Open Approach         | 176                | Organ transplanta          |
| 10                    | 08H031Z              | Insertion of Radioactive Element into R Eye, Perc Approach   | 211                | Radiation therapy          |
| 10                    | 08H0X1Z              | Insertion of Radioactive Element into R Eye, Extern Approa   | 211                | Radiation therapy          |
| 10                    | 08H131Z              | Insertion of Radioactive Element into L Eye, Perc Approach   | 211                | Radiation therapy          |
| 10                    | 08H1X1Z              | Insertion of Radioactive Element into L Eye, Extern Approa   | 211                | Radiation therapy          |
| 10                    | 0B110F4              | Bypass Trachea to Cutaneous with Trach Dev, Open Approach    | 34                 | Tracheostomy; tem          |
| 10                    | 0B110Z4              | Bypass Trachea to Cutaneous, Open Approach                   | 34                 | Tracheostomy; tem          |
| 10                    | 0B113F4              | Bypass Trachea to Cutaneous with Trach Dev, Perc Approach    | 34                 | Tracheostomy; tem          |
| 10                    | 0B113Z4              | Bypass Trachea to Cutaneous, Percutaneous Approach           | 34                 | Tracheostomy; tem          |
| 10                    | 0B114F4              | Bypass Trachea to Cutan with Trach Dev, Perc Endo Approach   | 34                 | Tracheostomy; tem          |
| 10                    | 0B114Z4              | Bypass Trachea to Cutaneous, Perc Endo Approach              | 34                 | Tracheostomy; tem          |
| 10                    | 0B5N0ZZ              | Destruction of Right Pleura, Open Approach                   | 42                 | Other OR Rx proce          |
| 10                    | 0B5N3ZZ              | Destruction of Right Pleura, Percutaneous Approach           | 42                 | Other OR Rx proce          |
| 10                    | 0B5N4ZZ              | Destruction of Right Pleura, Perc Endo Approach              | 42                 | Other OR Rx proce          |
| 10                    | 0B5P0ZZ              | Destruction of Left Pleura, Open Approach                    | 42                 | Other OR Rx proce          |
| 10                    | 0B5P3ZZ              | Destruction of Left Pleura, Percutaneous Approach            | 42                 | Other OR Rx proce          |
| 10                    | 0B5P4ZZ              | Destruction of Left Pleura, Percutaneous Endoscopic Approa   | 42                 | Other OR Rx proce          |
| 10                    | 0B910ZX              | Drainage of Trachea, Open Approach, Diagnostic               | 40                 | Other diagnostic           |
| 10                    | 0B920ZX              | Drainage of Carina, Open Approach, Diagnostic                | 40                 | Other diagnostic           |
| 10                    | 0B930ZX              | Drainage of Right Main Bronchus, Open Approach, Diagnostic   | 38                 | Other diagnostic           |
| 10                    | 0B940ZX              | Drainage of Right Upper Lobe Bronchus, Open Approach, Diag   | 38                 | Other diagnostic           |
| 10                    | 0B950ZX              | Drainage of Right Middle Lobe Bronchus, Open Approach, Dia   | 38                 | Other diagnostic           |
| 10                    | 0B960ZX              | Drainage of Right Lower Lobe Bronchus, Open Approach, Diag   | 38                 | Other diagnostic           |
| 10                    | 0B970ZX              | Drainage of Left Main Bronchus, Open Approach, Diagnostic    | 38                 | Other diagnostic           |
| 10                    | 0B980ZX              | Drainage of Left Upper Lobe Bronchus, Open Approach, Diagn   | 38                 | Other diagnostic           |
| 10                    | 0B990ZX              | Drainage of Lingula Bronchus, Open Approach, Diagnostic      | 38                 | Other diagnostic           |
| 10                    | 0B9B0ZX              | Drainage of Left Lower Lobe Bronchus, Open Approach, Diagn   | 38                 | Other diagnostic           |
| 10                    | 0B9C0ZX              | Drainage of Right Upper Lung Lobe, Open Approach, Diagnostic | 38                 | Other diagnostic           |
| 10                    | 0B9D0ZX              | Drainage of Right Middle Lung Lobe, Open Approach, Diagn     | 38                 | Other diagnostic           |
| 10                    | 0B9F0ZX              | Drainage of Right Lower Lung Lobe, Open Approach, Diagnost   | 38                 | Other diagnostic           |
| 10                    | 0B9G0ZX              | Drainage of Left Upper Lung Lobe, Open Approach, Diagnosti   | 38                 | Other diagnostic           |
| 10                    | 0B9H0ZX              | Drainage of Lung Lingula, Open Approach, Diagnostic          | 38                 | Other diagnostic           |
| 10                    | 0B9J0ZX              | Drainage of Left Lower Lung Lobe, Open Approach, Diagnosti   | 38                 | Other diagnostic           |
| 10                    | 0B9K0ZX              | Drainage of Right Lung, Open Approach, Diagnostic            | 38                 | Other diagnostic           |
| 10                    | 0B9L0ZX              | Drainage of Left Lung, Open Approach, Diagnostic             | 38                 | Other diagnostic           |
| 10                    | 0B9M0ZX              | Drainage of Bilateral Lungs, Open Approach, Diagnostic       | 38                 | Other diagnostic           |
| 10                    | 0B9N0ZX              | Drainage of Right Pleura, Open Approach, Diagnostic          | 40                 | Other diagnostic           |
| 10                    | 0B9N3ZX              | Drainage of Right Pleura, Percutaneous Approach, Diagnosti   | 40                 | Other diagnostic           |
| 10                    | 0B9N4ZX              | Drainage of Right Pleura, Perc Endo Approach, Diagn          | 40                 | Other diagnostic           |
| 10                    | 0B9P0ZX              | Drainage of Left Pleura, Open Approach, Diagnostic           | 40                 | Other diagnostic           |
| 10                    | 0B9P3ZX              | Drainage of Left Pleura, Percutaneous Approach, Diagnostic   | 40                 | Other diagnostic           |
| 10                    | 0B9P4ZX              | Drainage of Left Pleura, Perc Endo Approach, Diagn           | 40                 | Other diagnostic           |
| 10                    | 0B9R0ZX              | Drainage of Right Diaphragm, Open Approach, Diagnostic       | 40                 | Other diagnostic           |
| 10                    | 0B9R3ZX              | Drainage of Right Diaphragm, Percutaneous Approach, Diagn    | 40                 | Other diagnostic           |
| 10                    | 0B9R4ZX              | Drainage of Right Diaphragm, Perc Endo Approach, Diagn       | 40                 | Other diagnostic           |
| 10                    | 0B9S0ZX              | Drainage of Left Diaphragm, Open Approach, Diagnostic        | 40                 | Other diagnostic           |
| 10                    | 0B9S3ZX              | Drainage of Left Diaphragm, Percutaneous Approach, Diagn     | 40                 | Other diagnostic           |
| 10                    | 0B9S4ZX              | Drainage of Left Diaphragm, Perc Endo Approach, Diagn        | 40                 | Other diagnostic           |
| 10                    | 0B810ZX              | Excision of Trachea, Open Approach, Diagnostic               | 40                 | Other diagnostic           |
| 10                    | 0B820ZX              | Excision of Carina, Open Approach, Diagnostic                | 40                 | Other diagnostic           |
| 10                    | 0B830ZX              | Excision of Right Main Bronchus, Open Approach, Diagnostic   | 38                 | Other diagnostic           |
| 10                    | 0B840ZX              | Excision of Right Upper Lobe Bronchus, Open Approach, Diag   | 38                 | Other diagnostic           |
| 10                    | 0B840ZZ              | Excision of Right Upper Lobe Bronchus, Open Approach         | 36                 | Lobectomy or pneu          |
| 10                    | 0B843ZZ              | Excision of Right Upper Lobe Bronchus, Percutaneous Approa   | 36                 | Lobectomy or pneu          |
| 10                    | 0B847ZZ              | Excision of Right Upper Lobe Bronchus, Via Opening           | 36                 | Lobectomy or pneu          |
| 10                    | 0B850ZX              | Excision of Right Middle Lobe Bronchus, Open Approach, Dia   | 38                 | Other diagnostic           |
| 10                    | 0B850ZZ              | Excision of Right Middle Lobe Bronchus, Open Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 0B853ZZ              | Excision of Right Middle Lobe Bronchus, Perc Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 0B857ZZ              | Excision of Right Middle Lobe Bronchus, Via Opening          | 36                 | Lobectomy or pneu          |
| 10                    | 0B860ZX              | Excision of Right Lower Lobe Bronchus, Open Approach, Diag   | 38                 | Other diagnostic           |
| 10                    | 0B860ZZ              | Excision of Right Lower Lobe Bronchus, Open Approach         | 36                 | Lobectomy or pneu          |
| 10                    | 0B863ZZ              | Excision of Right Lower Lobe Bronchus, Percutaneous Approa   | 36                 | Lobectomy or pneu          |
| 10                    | 0B867ZZ              | Excision of Right Lower Lobe Bronchus, Via Opening           | 36                 | Lobectomy or pneu          |
| 10                    | 0B870ZX              | Excision of Left Main Bronchus, Open Approach, Diagnostic    | 38                 | Other diagnostic           |
| 10                    | 0B870ZZ              | Excision of Left Main Bronchus, Open Approach                | 36                 | Lobectomy or pneu          |
| 10                    | 0B873ZZ              | Excision of Left Main Bronchus, Percutaneous Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 0B877ZZ              | Excision of Left Main Bronchus, Via Opening                  | 36                 | Lobectomy or pneu          |
| 10                    | 0B880ZX              | Excision of Left Upper Lobe Bronchus, Open Approach, Diagn   | 38                 | Other diagnostic           |
| 10                    | 0B880ZZ              | Excision of Left Upper Lobe Bronchus, Open Approach          | 36                 | Lobectomy or pneu          |
| 10                    | 0B883ZZ              | Excision of Left Upper Lobe Bronchus, Percutaneous Approac   | 36                 | Lobectomy or pneu          |
| 10                    | 0B887ZZ              | Excision of Left Upper Lobe Bronchus, Via Opening            | 36                 | Lobectomy or pneu          |
| 10                    | 0B890ZX              | Excision of Lingula Bronchus, Open Approach, Diagnostic      | 38                 | Other diagnostic           |
| 10                    | 0B890ZZ              | Excision of Lingula Bronchus, Open Approach                  | 36                 | Lobectomy or pneu          |
| 10                    | 0B893ZZ              | Excision of Lingula Bronchus, Percutaneous Approach          | 36                 | Lobectomy or pneu          |
| 10                    | 0B897ZZ              | Excision of Lingula Bronchus, Via Opening                    | 36                 | Lobectomy or pneu          |
| 10                    | 0B8B0ZX              | Excision of Left Lower Lobe Bronchus, Open Approach, Diagn   | 38                 | Other diagnostic           |
| 10                    | 0B8B0ZZ              | Excision of Left Lower Lobe Bronchus, Open Approach          | 36                 | Lobectomy or pneu          |
| 10                    | 0B8B3ZZ              | Excision of Left Lower Lobe Bronchus, Percutaneous Approac   | 36                 | Lobectomy or pneu          |
| 10                    | 0B8B7ZZ              | Excision of Left Lower Lobe Bronchus, Via Opening            | 36                 | Lobectomy or pneu          |
| 10                    | 0B8C0ZX              | Excision of Right Upper Lung Lobe, Open Approach, Diagnost   | 38                 | Other diagnostic           |
| 10                    | 0B8C0ZZ              | Excision of Right Upper Lung Lobe, Open Approach             | 36                 | Lobectomy or pneu          |
| 10                    | 0B8C3ZZ              | Excision of Right Upper Lung Lobe, Percutaneous Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 0B8C4ZZ              | Excision of Right Upper Lung Lobe, Perc Endo Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 0B8C7ZZ              | Excision of Right Upper Lung Lobe, Via Opening               | 36                 | Lobectomy or pneu          |
| 10                    | 0B8D0ZX              | Excision of Right Middle Lung Lobe, Open Approach, Diagn     | 38                 | Other diagnostic           |
| 10                    | 0B8D0ZZ              | Excision of Right Middle Lung Lobe, Open Approach            | 36                 | Lobectomy or pneu          |
| 10                    | 0B8D3ZZ              | Excision of Right Middle Lung Lobe, Percutaneous Approach    | 36                 | Lobectomy or pneu          |
| 10                    | 0B8D4ZZ              | Excision of Right Middle Lung Lobe, Perc Endo Approach       | 36                 | Lobectomy or pneu          |
| 10                    | 0B8D7ZZ              | Excision of Right Middle Lung Lobe, Via Opening              | 36                 | Lobectomy or pneu          |
| 10                    | 0B8F0ZX              | Excision of Right Lower Lung Lobe, Open Approach, Diagnost   | 38                 | Other diagnostic           |
| 10                    | 0B8F0ZZ              | Excision of Right Lower Lung Lobe, Open Approach             | 36                 | Lobectomy or pneu          |
| 10                    | 0B8F3ZZ              | Excision of Right Lower Lung Lobe, Percutaneous Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 0B8F4ZZ              | Excision of Right Lower Lung Lobe, Perc Endo Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 0B8F7ZZ              | Excision of Right Lower Lung Lobe, Via Opening               | 36                 | Lobectomy or pneu          |
| 10                    | 0B8G0ZX              | Excision of Left Upper Lung Lobe, Open Approach, Diagnosti   | 38                 | Other diagnostic           |
| 10                    | 0B8G0ZZ              | Excision of Left Upper Lung Lobe, Open Approach              | 36                 | Lobectomy or pneu          |
| 10                    | 0B8G3ZZ              | Excision of Left Upper Lung Lobe, Percutaneous Approach      | 36                 | Lobectomy or pneu          |
| 10                    | 0B8G4ZZ              | Excision of Left Upper Lung Lobe, Perc Endo Approach         | 36                 | Lobectomy or pneu          |
| 10                    | 0B8G7ZZ              | Excision of Left Upper Lung Lobe, Via Opening                | 36                 | Lobectomy or pneu          |
| 10                    | 0B8H0ZX              | Excision of Lung Lingula, Open Approach, Diagnostic          | 38                 | Other diagnostic           |
| 10                    | 0B8H0ZZ              | Excision of Lung Lingula, Open Approach                      | 36                 | Lobectomy or pneu          |
| 10                    | 0B8H3ZZ              | Excision of Lung Lingula, Percutaneous Approach              | 36                 | Lobectomy or pneu          |
| 10                    | 0B8H4ZZ              | Excision of Lung Lingula, Percutaneous Endoscopic Approach   | 36                 | Lobectomy or pneu          |
| 10                    | 0B8H7ZZ              | Excision of Lung Lingula, Via Natural or Artificial Openin   | 36                 | Lobectomy or pneu          |
| 10                    | 0B8J0ZX              | Excision of Left Lower Lung Lobe, Open Approach, Diagnosti   | 38                 | Other diagnostic           |
| 10                    | 0B8J0ZZ              | Excision of Left Lower Lung Lobe, Open Approach              | 36                 | Lobectomy or pneu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 08B3Z2               | Excision of Left Lower Lung Lobe, Percutaneous Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 08B4Z2               | Excision of Left Lower Lung Lobe, Perc Endo Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 08B7Z2               | Excision of Left Lower Lung Lobe, Via Opening               | 36                 | Lobectomy or pneu          |
| 10                    | 08BK0Z2              | Excision of Right Lung, Open Approach, Diagnostic           | 38                 | Other diagnostic           |
| 10                    | 08BK0Z2              | Excision of Right Lung, Open Approach                       | 36                 | Lobectomy or pneu          |
| 10                    | 08BK3Z2              | Excision of Right Lung, Percutaneous Approach               | 36                 | Lobectomy or pneu          |
| 10                    | 08BK4Z2              | Excision of Right Lung, Percutaneous Endoscopic Approach    | 36                 | Lobectomy or pneu          |
| 10                    | 08BK7Z2              | Excision of Right Lung, Via Natural or Artificial Opening   | 36                 | Lobectomy or pneu          |
| 10                    | 08BL0Z2              | Excision of Left Lung, Open Approach, Diagnostic            | 38                 | Other diagnostic           |
| 10                    | 08BL0Z2              | Excision of Left Lung, Open Approach                        | 36                 | Lobectomy or pneu          |
| 10                    | 08BL3Z2              | Excision of Left Lung, Percutaneous Approach                | 36                 | Lobectomy or pneu          |
| 10                    | 08BL4Z2              | Excision of Left Lung, Percutaneous Endoscopic Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 08BL7Z2              | Excision of Left Lung, Via Natural or Artificial Opening    | 36                 | Lobectomy or pneu          |
| 10                    | 08BM0Z2              | Excision of Bilateral Lungs, Open Approach, Diagnostic      | 38                 | Other diagnostic           |
| 10                    | 08BM0Z2              | Excision of Bilateral Lungs, Open Approach                  | 36                 | Lobectomy or pneu          |
| 10                    | 08BM3Z2              | Excision of Bilateral Lungs, Percutaneous Approach          | 36                 | Lobectomy or pneu          |
| 10                    | 08BM7Z2              | Excision of Bilateral Lungs, Via Opening                    | 36                 | Lobectomy or pneu          |
| 10                    | 08BN0Z2              | Excision of Right Pleura, Open Approach, Diagnostic         | 40                 | Other diagnostic           |
| 10                    | 08BN3Z2              | Excision of Right Pleura, Percutaneous Approach, Diagnosti  | 40                 | Other diagnostic           |
| 10                    | 08BN4Z2              | Excision of Right Pleura, Perc Endo Approach, Diagn         | 40                 | Other diagnostic           |
| 10                    | 08BP0Z2              | Excision of Left Pleura, Open Approach, Diagnostic          | 40                 | Other diagnostic           |
| 10                    | 08BP3Z2              | Excision of Left Pleura, Percutaneous Approach, Diagnostic  | 40                 | Other diagnostic           |
| 10                    | 08BP4Z2              | Excision of Left Pleura, Perc Endo Approach, Diagn          | 40                 | Other diagnostic           |
| 10                    | 08BR0Z2              | Excision of Right Diaphragm, Open Approach, Diagnostic      | 40                 | Other diagnostic           |
| 10                    | 08BR3Z2              | Excision of Right Diaphragm, Percutaneous Approach, Diagn   | 40                 | Other diagnostic           |
| 10                    | 08BR4Z2              | Excision of Right Diaphragm, Perc Endo Approach, Diagn      | 40                 | Other diagnostic           |
| 10                    | 08BS0Z2              | Excision of Left Diaphragm, Open Approach, Diagnostic       | 40                 | Other diagnostic           |
| 10                    | 08BS3Z2              | Excision of Left Diaphragm, Percutaneous Approach, Diagn    | 40                 | Other diagnostic           |
| 10                    | 08BS4Z2              | Excision of Left Diaphragm, Perc Endo Approach, Diagn       | 40                 | Other diagnostic           |
| 10                    | 08DN0Z2              | Excision of Right Pleura, Open Approach, Diagnostic         | 40                 | Other diagnostic           |
| 10                    | 08DN3Z2              | Excision of Right Pleura, Percutaneous Approach, Diagn      | 40                 | Other diagnostic           |
| 10                    | 08DN4Z2              | Excision of Right Pleura, Perc Endo Approach, Diagn         | 40                 | Other diagnostic           |
| 10                    | 08DP0Z2              | Excision of Left Pleura, Open Approach, Diagnostic          | 40                 | Other diagnostic           |
| 10                    | 08DP3Z2              | Excision of Left Pleura, Percutaneous Approach, Diagnost    | 40                 | Other diagnostic           |
| 10                    | 08DP4Z2              | Excision of Left Pleura, Perc Endo Approach, Diagn          | 40                 | Other diagnostic           |
| 10                    | 08H001Z              | Insert Radioact Elem in Tracheobronc Tree, Open             | 211                | Radiation therapy          |
| 10                    | 08H002Z              | Insert of Monitor Dev into Tracheobronc Tree, Open Appro    | 40                 | Other diagnostic           |
| 10                    | 08H031Z              | Insert Radioact Elem in Tracheobronc Tree, Perc             | 211                | Radiation therapy          |
| 10                    | 08H032Z              | Insert of Monitor Dev into Tracheobronc Tree, Perc Appro    | 40                 | Other diagnostic           |
| 10                    | 08H041Z              | Insert Radioact Elem in Tracheobronc Tree, Perc Endo        | 211                | Radiation therapy          |
| 10                    | 08H042Z              | Insert Monitor Dev in Tracheobronc Tree, Perc Endo          | 40                 | Other diagnostic           |
| 10                    | 08H071Z              | Insert of Radioact Elem into Tracheobronc Tree, Via Openin  | 211                | Radiation therapy          |
| 10                    | 08H072Z              | Insertion of Monitor Dev into Tracheobronc Tree, Via Openi  | 40                 | Other diagnostic           |
| 10                    | 08H081Z              | Insertion of Radioact Elem into Tracheobronc Tree, Endo     | 211                | Radiation therapy          |
| 10                    | 08H082Z              | Insertion of Monitoring Device into Tracheobronc Tree, End  | 40                 | Other diagnostic           |
| 10                    | 08H102Z              | Insertion of Monitoring Device into Trachea, Open Approach  | 40                 | Other diagnostic           |
| 10                    | 08H172Z              | Insertion of Monitoring Device into Trachea, Via Opening    | 40                 | Other diagnostic           |
| 10                    | 08H182Z              | Insertion of Monitoring Device into Trachea, Endo           | 40                 | Other diagnostic           |
| 10                    | 08HK01Z              | Insertion of Radioactive Element into R Lung, Open Appro    | 211                | Radiation therapy          |
| 10                    | 08HK02Z              | Insertion of Monitoring Device into R Lung, Open Approach   | 40                 | Other diagnostic           |
| 10                    | 08HK31Z              | Insertion of Radioactive Element into R Lung, Perc Approach | 211                | Radiation therapy          |
| 10                    | 08HK32Z              | Insertion of Monitoring Device into R Lung, Perc Approach   | 40                 | Other diagnostic           |
| 10                    | 08HK41Z              | Insertion of Radioact Elem into R Lung, Perc Endo Approach  | 211                | Radiation therapy          |
| 10                    | 08HK42Z              | Insertion of Monitor Dev into R Lung, Perc Endo Approach    | 40                 | Other diagnostic           |
| 10                    | 08HK71Z              | Insertion of Radioactive Element into R Lung, Via Opening   | 211                | Radiation therapy          |
| 10                    | 08HK72Z              | Insertion of Monitoring Device into Right Lung, Via Openin  | 40                 | Other diagnostic           |
| 10                    | 08HK81Z              | Insertion of Radioactive Element into Right Lung, Endo      | 211                | Radiation therapy          |
| 10                    | 08HK82Z              | Insertion of Monitoring Device into Right Lung, Endo        | 40                 | Other diagnostic           |
| 10                    | 08HL01Z              | Insertion of Radioactive Element into L Lung, Open Appro    | 211                | Radiation therapy          |
| 10                    | 08HL02Z              | Insertion of Monitoring Device into Left Lung, Open Appro   | 40                 | Other diagnostic           |
| 10                    | 08HL31Z              | Insertion of Radioactive Element into L Lung, Perc Approach | 211                | Radiation therapy          |
| 10                    | 08HL32Z              | Insertion of Monitoring Device into Left Lung, Perc Appro   | 40                 | Other diagnostic           |
| 10                    | 08HL41Z              | Insertion of Radioact Elem into L Lung, Perc Endo Approach  | 211                | Radiation therapy          |
| 10                    | 08HL42Z              | Insertion of Monitor Dev into L Lung, Perc Endo Approach    | 40                 | Other diagnostic           |
| 10                    | 08HL71Z              | Insertion of Radioactive Element into Left Lung, Via Openi  | 211                | Radiation therapy          |
| 10                    | 08HL72Z              | Insertion of Monitoring Device into Left Lung, Via Opening  | 40                 | Other diagnostic           |
| 10                    | 08HL81Z              | Insertion of Radioactive Element into Left Lung, Endo       | 211                | Radiation therapy          |
| 10                    | 08HL82Z              | Insertion of Monitoring Device into Left Lung, Endo         | 40                 | Other diagnostic           |
| 10                    | 08HR0Z2              | Insertion of Monitor Dev into R Diaphragm, Open Approach    | 40                 | Other diagnostic           |
| 10                    | 08HR3Z2              | Insertion of Monitor Dev into R Diaphragm, Perc Approach    | 40                 | Other diagnostic           |
| 10                    | 08HR4Z2              | Insert of Monitor Dev into R Diaphragm, Perc Endo Approach  | 40                 | Other diagnostic           |
| 10                    | 08HS0Z2              | Insertion of Monitor Dev into L Diaphragm, Open Approach    | 40                 | Other diagnostic           |
| 10                    | 08HS3Z2              | Insertion of Monitor Dev into L Diaphragm, Perc Approach    | 40                 | Other diagnostic           |
| 10                    | 08HS4Z2              | Insert of Monitor Dev into L Diaphragm, Perc Endo Approach  | 40                 | Other diagnostic           |
| 10                    | 08J00Z2              | Inspection of Tracheobronchial Tree, Open Approach          | 38                 | Other diagnostic           |
| 10                    | 08J03Z2              | Inspection of Tracheobronchial Tree, Percutaneous Approach  | 38                 | Other diagnostic           |
| 10                    | 08J04Z2              | Inspection of Tracheobronchial Tree, Perc Endo Approach     | 40                 | Other diagnostic           |
| 10                    | 08J07Z2              | Inspection of Tracheobronchial Tree, Via Opening            | 38                 | Other diagnostic           |
| 10                    | 08J0XZ2              | Inspection of Tracheobronchial Tree, External Approach      | 38                 | Other diagnostic           |
| 10                    | 08JK0Z2              | Inspection of Right Lung, Open Approach                     | 38                 | Other diagnostic           |
| 10                    | 08JK3Z2              | Inspection of Right Lung, Percutaneous Approach             | 38                 | Other diagnostic           |
| 10                    | 08JK4Z2              | Inspection of Right Lung, Percutaneous Endoscopic Approach  | 38                 | Other diagnostic           |
| 10                    | 08JK7Z2              | Inspection of Right Lung, Via Natural or Artificial Openin  | 38                 | Other diagnostic           |
| 10                    | 08JKXZ2              | Inspection of Right Lung, External Approach                 | 38                 | Other diagnostic           |
| 10                    | 08JL0Z2              | Inspection of Left Lung, Open Approach                      | 38                 | Other diagnostic           |
| 10                    | 08JL3Z2              | Inspection of Left Lung, Percutaneous Approach              | 38                 | Other diagnostic           |
| 10                    | 08JL4Z2              | Inspection of Left Lung, Percutaneous Endoscopic Approach   | 38                 | Other diagnostic           |
| 10                    | 08JL7Z2              | Inspection of Left Lung, Via Natural or Artificial Opening  | 38                 | Other diagnostic           |
| 10                    | 08JLXZ2              | Inspection of Left Lung, External Approach                  | 38                 | Other diagnostic           |
| 10                    | 08JQ0Z2              | Inspection of Pleura, Open Approach                         | 40                 | Other diagnostic           |
| 10                    | 08JQ3Z2              | Inspection of Pleura, Percutaneous Approach                 | 40                 | Other diagnostic           |
| 10                    | 08JQ4Z2              | Inspection of Pleura, Percutaneous Endoscopic Approach      | 40                 | Other diagnostic           |
| 10                    | 08JQ7Z2              | Inspection of Pleura, Via Natural or Artificial Opening     | 40                 | Other diagnostic           |
| 10                    | 08JQ8Z2              | Inspection of Pleura, Endo                                  | 40                 | Other diagnostic           |
| 10                    | 08JQXZ2              | Inspection of Pleura, External Approach                     | 40                 | Other diagnostic           |
| 10                    | 08JT0Z2              | Inspection of Diaphragm, Open Approach                      | 40                 | Other diagnostic           |
| 10                    | 08JT3Z2              | Inspection of Diaphragm, Percutaneous Approach              | 40                 | Other diagnostic           |
| 10                    | 08JT4Z2              | Inspection of Diaphragm, Percutaneous Endoscopic Approach   | 40                 | Other diagnostic           |
| 10                    | 08JT7Z2              | Inspection of Diaphragm, Via Natural or Artificial Opening  | 40                 | Other diagnostic           |
| 10                    | 08JT8Z2              | Inspection of Diaphragm, Endo                               | 40                 | Other diagnostic           |
| 10                    | 08JTXZ2              | Inspection of Diaphragm, External Approach                  | 40                 | Other diagnostic           |
| 10                    | 08TC0Z2              | Resection of Right Upper Lung Lobe, Open Approach           | 36                 | Lobectomy or pneu          |
| 10                    | 08TC4Z2              | Resection of Right Upper Lung Lobe, Perc Endo Approach      | 36                 | Lobectomy or pneu          |
| 10                    | 08TD0Z2              | Resection of Right Middle Lung Lobe, Open Approach          | 36                 | Lobectomy or pneu          |
| 10                    | 08TD4Z2              | Resection of Right Middle Lung Lobe, Perc Endo Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 08TF0Z2              | Resection of Right Lower Lung Lobe, Open Approach           | 36                 | Lobectomy or pneu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 08TF4ZZ              | Resection of Right Lower Lung Lobe, Perc Endo Approach       | 36                 | Lobectomy or pneu          |
| 10                    | 08TG0ZZ              | Resection of Left Upper Lung Lobe, Open Approach             | 36                 | Lobectomy or pneu          |
| 10                    | 08TG4ZZ              | Resection of Left Upper Lung Lobe, Perc Endo Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 08TH0ZZ              | Resection of Lung Lingula, Open Approach                     | 36                 | Lobectomy or pneu          |
| 10                    | 08TH4ZZ              | Resection of Lung Lingula, Percutaneous Endoscopic Approa    | 36                 | Lobectomy or pneu          |
| 10                    | 08TJ0ZZ              | Resection of Left Lower Lung Lobe, Open Approach             | 36                 | Lobectomy or pneu          |
| 10                    | 08TJ4ZZ              | Resection of Left Lower Lung Lobe, Perc Endo Approach        | 36                 | Lobectomy or pneu          |
| 10                    | 08TK0ZZ              | Resection of Right Lung, Open Approach                       | 36                 | Lobectomy or pneu          |
| 10                    | 08TK4ZZ              | Resection of Right Lung, Percutaneous Endoscopic Approach    | 36                 | Lobectomy or pneu          |
| 10                    | 08TL0ZZ              | Resection of Left Lung, Open Approach                        | 36                 | Lobectomy or pneu          |
| 10                    | 08TL4ZZ              | Resection of Left Lung, Percutaneous Endoscopic Approach     | 36                 | Lobectomy or pneu          |
| 10                    | 08TM0ZZ              | Resection of Bilateral Lungs, Open Approach                  | 36                 | Lobectomy or pneu          |
| 10                    | 08TM4ZZ              | Resection of Bilateral Lungs, Perc Endo Approach             | 36                 | Lobectomy or pneu          |
| 10                    | 08UR07Z              | Supplement Right Diaphragm with Autol Sub, Open Approach     | 86                 | Other hernia repa          |
| 10                    | 08UR0JZ              | Supplement Right Diaphragm with Synth Sub, Open Approach     | 86                 | Other hernia repa          |
| 10                    | 08UR0KZ              | Supplement Right Diaphragm with Nonaut Sub, Open Approach    | 86                 | Other hernia repa          |
| 10                    | 08UR47Z              | Supplement R Diaphragm with Autol Sub, Perc Endo Approach    | 86                 | Other hernia repa          |
| 10                    | 08UR4JZ              | Supplement R Diaphragm with Synth Sub, Perc Endo Approach    | 86                 | Other hernia repa          |
| 10                    | 08UR4KZ              | Supplement R Diaphragm with Nonaut Sub, Perc Endo Approach   | 86                 | Other hernia repa          |
| 10                    | 08US07Z              | Supplement Left Diaphragm with Autol Sub, Open Approach      | 86                 | Other hernia repa          |
| 10                    | 08US0JZ              | Supplement Left Diaphragm with Synth Sub, Open Approach      | 86                 | Other hernia repa          |
| 10                    | 08US0KZ              | Supplement Left Diaphragm with Nonaut Sub, Open Approach     | 86                 | Other hernia repa          |
| 10                    | 08US47Z              | Supplement Left Diaphragm with Autol Sub, Perc Endo Approa   | 86                 | Other hernia repa          |
| 10                    | 08US4JZ              | Supplement Left Diaphragm with Synth Sub, Perc Endo Approa   | 86                 | Other hernia repa          |
| 10                    | 08US4KZ              | Supplement L Diaphragm with Nonaut Sub, Perc Endo Approach   | 86                 | Other hernia repa          |
| 10                    | 08W10FZ              | Revision of Tracheostomy Device in Trachea, Open Approach    | 42                 | Other OR Rx proce          |
| 10                    | 08W13FZ              | Revision of Tracheostomy Device in Trachea, Perc Approach    | 42                 | Other OR Rx proce          |
| 10                    | 08W14FZ              | Revision of Trach Dev in Trachea, Perc Endo Approach         | 42                 | Other OR Rx proce          |
| 10                    | 08YC020              | Transplantation of R Up Lung Lobe, Allogen, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YC021              | Transplantation of R Up Lung Lobe, Syngen, Open Approach     | 176                | Organ transplanta          |
| 10                    | 08YC022              | Transplantation of R Up Lung Lobe, Zooplast, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YD020              | Transplantation of R Mid Lung Lobe, Allogen, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YD021              | Transplantation of R Mid Lung Lobe, Syngen, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YD022              | Transplantation of R Mid Lung Lobe, Zooplast, Open Approach  | 176                | Organ transplanta          |
| 10                    | 08YF020              | Transplantation of R Low Lung Lobe, Allogen, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YF021              | Transplantation of R Low Lung Lobe, Syngen, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YF022              | Transplantation of R Low Lung Lobe, Zooplast, Open Approach  | 176                | Organ transplanta          |
| 10                    | 08YG020              | Transplantation of L Up Lung Lobe, Allogen, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YG021              | Transplantation of L Up Lung Lobe, Syngen, Open Approach     | 176                | Organ transplanta          |
| 10                    | 08YG022              | Transplantation of L Up Lung Lobe, Zooplast, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YH020              | Transplantation of Lung Lingula, Allogeneic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YH021              | Transplantation of Lung Lingula, Syngeneic, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YH022              | Transplantation of Lung Lingula, Zooplastic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YJ020              | Transplantation of L Low Lung Lobe, Allogen, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YJ021              | Transplantation of L Low Lung Lobe, Syngen, Open Approach    | 176                | Organ transplanta          |
| 10                    | 08YJ022              | Transplantation of L Low Lung Lobe, Zooplast, Open Approach  | 176                | Organ transplanta          |
| 10                    | 08YK020              | Transplantation of Right Lung, Allogeneic, Open Approach     | 176                | Organ transplanta          |
| 10                    | 08YK021              | Transplantation of Right Lung, Syngeneic, Open Approach      | 176                | Organ transplanta          |
| 10                    | 08YK022              | Transplantation of Right Lung, Zooplastic, Open Approach     | 176                | Organ transplanta          |
| 10                    | 08YL020              | Transplantation of Left Lung, Allogeneic, Open Approach      | 176                | Organ transplanta          |
| 10                    | 08YL021              | Transplantation of Left Lung, Syngeneic, Open Approach       | 176                | Organ transplanta          |
| 10                    | 08YL022              | Transplantation of Left Lung, Zooplastic, Open Approach      | 176                | Organ transplanta          |
| 10                    | 08YM020              | Transplantation of Bilateral Lungs, Allogen, Open Approach   | 176                | Organ transplanta          |
| 10                    | 08YM021              | Transplantation of Bilateral Lungs, Syngeneic, Open Approach | 176                | Organ transplanta          |
| 10                    | 08YM022              | Transplantation of Bilateral Lungs, Zooplast, Open Approach  | 176                | Organ transplanta          |
| 10                    | 0C00X7Z              | Alteration of Upper Lip with Autol Sub, Extern Approach      | 33                 | Other OR procedur          |
| 10                    | 0C00XJZ              | Alteration of Upper Lip with Synth Sub, Extern Approach      | 33                 | Other OR procedur          |
| 10                    | 0C00XKZ              | Alteration of Upper Lip with Nonaut Sub, Extern Approach     | 33                 | Other OR procedur          |
| 10                    | 0C00XZZ              | Alteration of Upper Lip, External Approach                   | 33                 | Other OR procedur          |
| 10                    | 0C01X7Z              | Alteration of Lower Lip with Autol Sub, Extern Approach      | 33                 | Other OR procedur          |
| 10                    | 0C01XJZ              | Alteration of Lower Lip with Synth Sub, Extern Approach      | 33                 | Other OR procedur          |
| 10                    | 0C01XKZ              | Alteration of Lower Lip with Nonaut Sub, Extern Approach     | 33                 | Other OR procedur          |
| 10                    | 0C01XZZ              | Alteration of Lower Lip, External Approach                   | 33                 | Other OR procedur          |
| 10                    | 0C500ZZ              | Destruction of Upper Lip, Open Approach                      | 33                 | Other OR procedur          |
| 10                    | 0C503ZZ              | Destruction of Upper Lip, Percutaneous Approach              | 33                 | Other OR procedur          |
| 10                    | 0C50XZZ              | Destruction of Upper Lip, External Approach                  | 33                 | Other OR procedur          |
| 10                    | 0C510ZZ              | Destruction of Lower Lip, Open Approach                      | 33                 | Other OR procedur          |
| 10                    | 0C513ZZ              | Destruction of Lower Lip, Percutaneous Approach              | 33                 | Other OR procedur          |
| 10                    | 0C51XZZ              | Destruction of Lower Lip, External Approach                  | 33                 | Other OR procedur          |
| 10                    | 0C520ZZ              | Destruction of Hard Palate, Open Approach                    | 33                 | Other OR procedur          |
| 10                    | 0C523ZZ              | Destruction of Hard Palate, Percutaneous Approach            | 33                 | Other OR procedur          |
| 10                    | 0C52XZZ              | Destruction of Hard Palate, External Approach                | 33                 | Other OR procedur          |
| 10                    | 0C530ZZ              | Destruction of Soft Palate, Open Approach                    | 33                 | Other OR procedur          |
| 10                    | 0C533ZZ              | Destruction of Soft Palate, Percutaneous Approach            | 33                 | Other OR procedur          |
| 10                    | 0C53XZZ              | Destruction of Soft Palate, External Approach                | 33                 | Other OR procedur          |
| 10                    | 0C540ZZ              | Destruction of Buccal Mucosa, Open Approach                  | 33                 | Other OR procedur          |
| 10                    | 0C543ZZ              | Destruction of Buccal Mucosa, Percutaneous Approach          | 33                 | Other OR procedur          |
| 10                    | 0C54XZZ              | Destruction of Buccal Mucosa, External Approach              | 33                 | Other OR procedur          |
| 10                    | 0C570ZZ              | Destruction of Tongue, Open Approach                         | 33                 | Other OR procedur          |
| 10                    | 0C573ZZ              | Destruction of Tongue, Percutaneous Approach                 | 33                 | Other OR procedur          |
| 10                    | 0C57XZZ              | Destruction of Tongue, External Approach                     | 33                 | Other OR procedur          |
| 10                    | 0C580ZZ              | Destruction of Right Parotid Gland, Open Approach            | 33                 | Other OR procedur          |
| 10                    | 0C583ZZ              | Destruction of Right Parotid Gland, Percutaneous Approach    | 33                 | Other OR procedur          |
| 10                    | 0C590ZZ              | Destruction of Left Parotid Gland, Open Approach             | 33                 | Other OR procedur          |
| 10                    | 0C593ZZ              | Destruction of Left Parotid Gland, Percutaneous Approach     | 33                 | Other OR procedur          |
| 10                    | 0C580ZZ              | Destruction of Right Parotid Duct, Open Approach             | 33                 | Other OR procedur          |
| 10                    | 0C583ZZ              | Destruction of Right Parotid Duct, Percutaneous Approach     | 33                 | Other OR procedur          |
| 10                    | 0C5C0ZZ              | Destruction of Left Parotid Duct, Open Approach              | 33                 | Other OR procedur          |
| 10                    | 0C5C3ZZ              | Destruction of Left Parotid Duct, Percutaneous Approach      | 33                 | Other OR procedur          |
| 10                    | 0C5D0ZZ              | Destruction of Right Sublingual Gland, Open Approach         | 33                 | Other OR procedur          |
| 10                    | 0C5D3ZZ              | Destruction of Right Sublingual Gland, Percutaneous Approach | 33                 | Other OR procedur          |
| 10                    | 0C5F0ZZ              | Destruction of Left Sublingual Gland, Open Approach          | 33                 | Other OR procedur          |
| 10                    | 0C5F3ZZ              | Destruction of Left Sublingual Gland, Percutaneous Approach  | 33                 | Other OR procedur          |
| 10                    | 0C5G0ZZ              | Destruction of Right Submaxillary Gland, Open Approach       | 33                 | Other OR procedur          |
| 10                    | 0C5G3ZZ              | Destruction of Right Submaxillary Gland, Perc Approach       | 33                 | Other OR procedur          |
| 10                    | 0C5H0ZZ              | Destruction of Left Submaxillary Gland, Open Approach        | 33                 | Other OR procedur          |
| 10                    | 0C5H3ZZ              | Destruction of Left Submaxillary Gland, Perc Approach        | 33                 | Other OR procedur          |
| 10                    | 0C5J0ZZ              | Destruction of Minor Salivary Gland, Open Approach           | 33                 | Other OR procedur          |
| 10                    | 0C5J3ZZ              | Destruction of Minor Salivary Gland, Percutaneous Approach   | 33                 | Other OR procedur          |
| 10                    | 0C5M0ZZ              | Destruction of Pharynx, Open Approach                        | 33                 | Other OR procedur          |
| 10                    | 0C5M3ZZ              | Destruction of Pharynx, Percutaneous Approach                | 33                 | Other OR procedur          |
| 10                    | 0C5M4ZZ              | Destruction of Pharynx, Percutaneous Endoscopic Approach     | 33                 | Other OR procedur          |
| 10                    | 0C5M7ZZ              | Destruction of Pharynx, Via Natural or Artificial Opening    | 33                 | Other OR procedur          |
| 10                    | 0C5M8ZZ              | Destruction of Pharynx, Endo                                 | 33                 | Other OR procedur          |
| 10                    | 0C5N0ZZ              | Destruction of Uvula, Open Approach                          | 33                 | Other OR procedur          |
| 10                    | 0C5N3ZZ              | Destruction of Uvula, Percutaneous Approach                  | 33                 | Other OR procedur          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0C5NXZZ              | Destruction of Uvula, External Approach                    | 33                 | Other OR procedur         |
| 10                    | 0C5P0ZZ              | Destruction of Tonsils, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0C5P3ZZ              | Destruction of Tonsils, Percutaneous Approach              | 33                 | Other OR procedur         |
| 10                    | 0C5PXZZ              | Destruction of Tonsils, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0C5Q0ZZ              | Destruction of Adenoids, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C5Q3ZZ              | Destruction of Adenoids, Percutaneous Approach             | 33                 | Other OR procedur         |
| 10                    | 0C5QXZZ              | Destruction of Adenoids, External Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C5R0ZZ              | Destruction of Epiglottis, Open Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C5R3ZZ              | Destruction of Epiglottis, Percutaneous Approach           | 33                 | Other OR procedur         |
| 10                    | 0C5R4ZZ              | Destruction of Epiglottis, Percutaneous Endoscopic Approa  | 33                 | Other OR procedur         |
| 10                    | 0C5R7ZZ              | Destruction of Epiglottis, Via Natural or Artificial Openi | 33                 | Other OR procedur         |
| 10                    | 0C5R8ZZ              | Destruction of Epiglottis, Endo                            | 33                 | Other OR procedur         |
| 10                    | 0C5S0ZZ              | Destruction of Larynx, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C5S3ZZ              | Destruction of Larynx, Percutaneous Approach               | 33                 | Other OR procedur         |
| 10                    | 0C5S4ZZ              | Destruction of Larynx, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur         |
| 10                    | 0C5S7ZZ              | Destruction of Larynx, Via Natural or Artificial Opening   | 33                 | Other OR procedur         |
| 10                    | 0C5S8ZZ              | Destruction of Larynx, Endo                                | 33                 | Other OR procedur         |
| 10                    | 0C5T0ZZ              | Destruction of Right Vocal Cord, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0C5T3ZZ              | Destruction of Right Vocal Cord, Percutaneous Approach     | 33                 | Other OR procedur         |
| 10                    | 0C5T4ZZ              | Destruction of Right Vocal Cord, Perc Endo Approach        | 33                 | Other OR procedur         |
| 10                    | 0C5T7ZZ              | Destruction of Right Vocal Cord, Via Opening               | 33                 | Other OR procedur         |
| 10                    | 0C5T8ZZ              | Destruction of Right Vocal Cord, Endo                      | 33                 | Other OR procedur         |
| 10                    | 0C5V0ZZ              | Destruction of Left Vocal Cord, Open Approach              | 33                 | Other OR procedur         |
| 10                    | 0C5V3ZZ              | Destruction of Left Vocal Cord, Percutaneous Approach      | 33                 | Other OR procedur         |
| 10                    | 0C5V4ZZ              | Destruction of Left Vocal Cord, Perc Endo Approach         | 33                 | Other OR procedur         |
| 10                    | 0C5V7ZZ              | Destruction of Left Vocal Cord, Via Opening                | 33                 | Other OR procedur         |
| 10                    | 0C5V8ZZ              | Destruction of Left Vocal Cord, Endo                       | 33                 | Other OR procedur         |
| 10                    | 0C7S0DZ              | Dilation of Larynx with Intraluminal Device, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0C7S0ZZ              | Dilation of Larynx, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0C7S3DZ              | Dilation of Larynx with Intraluminal Device, Perc Approach | 33                 | Other OR procedur         |
| 10                    | 0C7S3ZZ              | Dilation of Larynx, Percutaneous Approach                  | 33                 | Other OR procedur         |
| 10                    | 0C7S4DZ              | Dilation of Larynx with Intralum Dev, Perc Endo Approach   | 33                 | Other OR procedur         |
| 10                    | 0C7S4ZZ              | Dilation of Larynx, Percutaneous Endoscopic Approach       | 33                 | Other OR procedur         |
| 10                    | 0C7S7DZ              | Dilation of Larynx with Intraluminal Device, Via Opening   | 33                 | Other OR procedur         |
| 10                    | 0C7S7ZZ              | Dilation of Larynx, Via Natural or Artificial Opening      | 33                 | Other OR procedur         |
| 10                    | 0C7S8DZ              | Dilation of Larynx with Intraluminal Device, Endo          | 33                 | Other OR procedur         |
| 10                    | 0C7S8ZZ              | Dilation of Larynx, Endo                                   | 33                 | Other OR procedur         |
| 10                    | 0C9000Z              | Drainage of Upper Lip with Drainage Device, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0C9002Z              | Drainage of Upper Lip, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C90X0Z              | Drainage of Upper Lip with Drainage Device, Extern Approac | 33                 | Other OR procedur         |
| 10                    | 0C90X2Z              | Drainage of Upper Lip, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C9100Z              | Drainage of Lower Lip with Drainage Device, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0C9102Z              | Drainage of Lower Lip, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C91X0Z              | Drainage of Lower Lip with Drainage Device, Extern Approac | 33                 | Other OR procedur         |
| 10                    | 0C91X2Z              | Drainage of Lower Lip, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C9200Z              | Drainage of Hard Palate with Drainage Device, Open Approac | 33                 | Other OR procedur         |
| 10                    | 0C9202Z              | Drainage of Hard Palate, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C92X0Z              | Drainage of Hard Palate with Drain Dev, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0C92X2Z              | Drainage of Hard Palate, External Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C9300Z              | Drainage of Soft Palate with Drainage Device, Open Approac | 33                 | Other OR procedur         |
| 10                    | 0C9302Z              | Drainage of Soft Palate, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C93X0Z              | Drainage of Soft Palate with Drain Dev, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0C93X2Z              | Drainage of Soft Palate, External Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C9400Z              | Drainage of Buccal Mucosa with Drain Dev, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0C9402Z              | Drainage of Buccal Mucosa, Open Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C94X0Z              | Drainage of Buccal Mucosa with Drain Dev, Extern Approach  | 33                 | Other OR procedur         |
| 10                    | 0C94X2Z              | Drainage of Buccal Mucosa, External Approach               | 33                 | Other OR procedur         |
| 10                    | 0C9700Z              | Drainage of Tongue with Drainage Device, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0C9702Z              | Drainage of Tongue, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0C97X0Z              | Drainage of Tongue with Drainage Device, External Approach | 33                 | Other OR procedur         |
| 10                    | 0C97X2Z              | Drainage of Tongue, External Approach                      | 33                 | Other OR procedur         |
| 10                    | 0C9M00Z              | Drainage of Pharynx with Drainage Device, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0C9M02Z              | Drainage of Pharynx, Open Approach                         | 33                 | Other OR procedur         |
| 10                    | 0C9M40Z              | Drainage of Pharynx with Drainage Device, Perc Endo Approa | 33                 | Other OR procedur         |
| 10                    | 0C9M42Z              | Drainage of Pharynx, Percutaneous Endoscopic Approach      | 33                 | Other OR procedur         |
| 10                    | 0C9M70Z              | Drainage of Pharynx with Drainage Device, Via Opening      | 33                 | Other OR procedur         |
| 10                    | 0C9M72Z              | Drainage of Pharynx, Via Natural or Artificial Opening     | 33                 | Other OR procedur         |
| 10                    | 0C9M80Z              | Drainage of Pharynx with Drainage Device, Endo             | 33                 | Other OR procedur         |
| 10                    | 0C9M82Z              | Drainage of Pharynx, Endo                                  | 33                 | Other OR procedur         |
| 10                    | 0C9N00Z              | Drainage of Uvula with Drainage Device, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0C9N02Z              | Drainage of Uvula, Open Approach                           | 33                 | Other OR procedur         |
| 10                    | 0C9NX0Z              | Drainage of Uvula with Drainage Device, External Approach  | 33                 | Other OR procedur         |
| 10                    | 0C9NX2Z              | Drainage of Uvula, External Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C9P00Z              | Drainage of Tonsils with Drainage Device, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0C9P02Z              | Drainage of Tonsils, Open Approach                         | 33                 | Other OR procedur         |
| 10                    | 0C9PX0Z              | Drainage of Tonsils with Drainage Device, External Approac | 33                 | Other OR procedur         |
| 10                    | 0C9PX2Z              | Drainage of Tonsils, External Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C9Q00Z              | Drainage of Adenoids with Drainage Device, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0C9Q02Z              | Drainage of Adenoids, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0C9QX0Z              | Drainage of Adenoids with Drainage Device, External Approa | 33                 | Other OR procedur         |
| 10                    | 0C9QX2Z              | Drainage of Adenoids, External Approach                    | 33                 | Other OR procedur         |
| 10                    | 0C9R00Z              | Drainage of Epiglottis with Drainage Device, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0C9R02Z              | Drainage of Epiglottis, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0C9S00Z              | Drainage of Larynx with Drainage Device, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0C9S02Z              | Drainage of Larynx, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0C9T00Z              | Drainage of Right Vocal Cord with Drain Dev, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0C9T02Z              | Drainage of Right Vocal Cord, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0C9V00Z              | Drainage of Left Vocal Cord with Drain Dev, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0C9V02Z              | Drainage of Left Vocal Cord, Open Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C8002Z              | Excision of Upper Lip, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C8032Z              | Excision of Upper Lip, Percutaneous Approach               | 33                 | Other OR procedur         |
| 10                    | 0C80X2Z              | Excision of Upper Lip, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C8102Z              | Excision of Lower Lip, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0C8132Z              | Excision of Lower Lip, Percutaneous Approach               | 33                 | Other OR procedur         |
| 10                    | 0C81X2Z              | Excision of Lower Lip, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C8202Z              | Excision of Hard Palate, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C8232Z              | Excision of Hard Palate, Percutaneous Approach             | 33                 | Other OR procedur         |
| 10                    | 0C82X2Z              | Excision of Hard Palate, External Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C8302Z              | Excision of Soft Palate, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0C8332Z              | Excision of Soft Palate, Percutaneous Approach             | 33                 | Other OR procedur         |
| 10                    | 0C83X2Z              | Excision of Soft Palate, External Approach                 | 33                 | Other OR procedur         |
| 10                    | 0C8402Z              | Excision of Buccal Mucosa, Open Approach                   | 33                 | Other OR procedur         |
| 10                    | 0C8432Z              | Excision of Buccal Mucosa, Percutaneous Approach           | 33                 | Other OR procedur         |
| 10                    | 0C84X2Z              | Excision of Buccal Mucosa, External Approach               | 33                 | Other OR procedur         |
| 10                    | 0C8702Z              | Excision of Tongue, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0C8732Z              | Excision of Tongue, Percutaneous Approach                  | 33                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0CB7XZZ              | Excision of Tongue, External Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Right Parotid Gland, Open Approach               | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Right Parotid Gland, Percutaneous Approach       | 33                 | Other OR procedur         |
| 10                    | 0CB90ZZ              | Excision of Left Parotid Gland, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0CB93ZZ              | Excision of Left Parotid Gland, Percutaneous Approach        | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Right Parotid Duct, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Right Parotid Duct, Percutaneous Approach        | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Left Parotid Duct, Open Approach                 | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Left Parotid Duct, Percutaneous Approach         | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Right Sublingual Gland, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Right Sublingual Gland, Percutaneous Approach    | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Left Sublingual Gland, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Left Sublingual Gland, Percutaneous Approach     | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Right Submaxillary Gland, Open Approach          | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Right Submaxillary Gland, Percutaneous Approach  | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Left Submaxillary Gland, Open Approach           | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Left Submaxillary Gland, Percutaneous Approach   | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Minor Salivary Gland, Open Approach              | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Minor Salivary Gland, Percutaneous Approach      | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Pharynx, Open Approach                           | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Pharynx, Percutaneous Approach                   | 33                 | Other OR procedur         |
| 10                    | 0CB84ZZ              | Excision of Pharynx, Percutaneous Endoscopic Approach        | 33                 | Other OR procedur         |
| 10                    | 0CB87ZZ              | Excision of Pharynx, Via Natural or Artificial Opening       | 33                 | Other OR procedur         |
| 10                    | 0CB88ZZ              | Excision of Pharynx, Endo                                    | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Uvula, Open Approach                             | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Uvula, Percutaneous Approach                     | 33                 | Other OR procedur         |
| 10                    | 0CB8XZZ              | Excision of Uvula, External Approach                         | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Tonsils, Open Approach                           | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Tonsils, Percutaneous Approach                   | 33                 | Other OR procedur         |
| 10                    | 0CB8XZZ              | Excision of Tonsils, External Approach                       | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Adenoids, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Adenoids, Percutaneous Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CB8XZZ              | Excision of Adenoids, External Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Epiglottis, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Epiglottis, Percutaneous Approach                | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Larynx, Open Approach                            | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Larynx, Percutaneous Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CB84ZZ              | Excision of Larynx, Percutaneous Endoscopic Approach         | 35                 | Tracheoscopy and          |
| 10                    | 0CB87ZZ              | Excision of Larynx, Via Natural or Artificial Opening        | 35                 | Tracheoscopy and          |
| 10                    | 0CB88ZZ              | Excision of Larynx, Endo                                     | 35                 | Tracheoscopy and          |
| 10                    | 0CB80ZZ              | Excision of Right Vocal Cord, Open Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Right Vocal Cord, Percutaneous Approach          | 33                 | Other OR procedur         |
| 10                    | 0CB80ZZ              | Excision of Left Vocal Cord, Open Approach                   | 33                 | Other OR procedur         |
| 10                    | 0CB83ZZ              | Excision of Left Vocal Cord, Percutaneous Approach           | 33                 | Other OR procedur         |
| 10                    | 0CC00ZZ              | Extirpation of Matter from Upper Lip, Open Approach          | 33                 | Other OR procedur         |
| 10                    | 0CC03ZZ              | Extirpation of Matter from Upper Lip, Percutaneous Approach  | 33                 | Other OR procedur         |
| 10                    | 0CC10ZZ              | Extirpation of Matter from Lower Lip, Open Approach          | 33                 | Other OR procedur         |
| 10                    | 0CC13ZZ              | Extirpation of Matter from Lower Lip, Percutaneous Approach  | 33                 | Other OR procedur         |
| 10                    | 0CC20ZZ              | Extirpation of Matter from Hard Palate, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CC23ZZ              | Extirpation of Matter from Hard Palate, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CC30ZZ              | Extirpation of Matter from Soft Palate, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CC33ZZ              | Extirpation of Matter from Soft Palate, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CC40ZZ              | Extirpation of Matter from Buccal Mucosa, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CC43ZZ              | Extirpation of Matter from Buccal Mucosa, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CC70ZZ              | Extirpation of Matter from Tongue, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CC73ZZ              | Extirpation of Matter from Tongue, Percutaneous Approach     | 33                 | Other OR procedur         |
| 10                    | 0CCM0ZZ              | Extirpation of Matter from Pharynx, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CCM3ZZ              | Extirpation of Matter from Pharynx, Percutaneous Approach    | 33                 | Other OR procedur         |
| 10                    | 0CCM4ZZ              | Extirpation of Matter from Pharynx, Perc Endo Approach       | 33                 | Other OR procedur         |
| 10                    | 0CCN0ZZ              | Extirpation of Matter from Uvula, Open Approach              | 33                 | Other OR procedur         |
| 10                    | 0CCN3ZZ              | Extirpation of Matter from Uvula, Percutaneous Approach      | 33                 | Other OR procedur         |
| 10                    | 0CCP0ZZ              | Extirpation of Matter from Tonsils, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CCP3ZZ              | Extirpation of Matter from Tonsils, Percutaneous Approach    | 33                 | Other OR procedur         |
| 10                    | 0CCQ0ZZ              | Extirpation of Matter from Adenoids, Open Approach           | 33                 | Other OR procedur         |
| 10                    | 0CCQ3ZZ              | Extirpation of Matter from Adenoids, Percutaneous Approach   | 33                 | Other OR procedur         |
| 10                    | 0CCR0ZZ              | Extirpation of Matter from Epiglottis, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CCR3ZZ              | Extirpation of Matter from Epiglottis, Percutaneous Approach | 33                 | Other OR procedur         |
| 10                    | 0CCR4ZZ              | Extirpation of Matter from Epiglottis, Perc Endo Approach    | 33                 | Other OR procedur         |
| 10                    | 0CCR7ZZ              | Extirpation of Matter from Epiglottis, Via Opening           | 33                 | Other OR procedur         |
| 10                    | 0CCR8ZZ              | Extirpation of Matter from Epiglottis, Endo                  | 33                 | Other OR procedur         |
| 10                    | 0CCS0ZZ              | Extirpation of Matter from Larynx, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CCS3ZZ              | Extirpation of Matter from Larynx, Percutaneous Approach     | 33                 | Other OR procedur         |
| 10                    | 0CCS4ZZ              | Extirpation of Matter from Larynx, Perc Endo Approach        | 33                 | Other OR procedur         |
| 10                    | 0CCT0ZZ              | Extirpation of Matter from Right Vocal Cord, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CCT3ZZ              | Extirpation of Matter from Right Vocal Cord, Perc Approach   | 33                 | Other OR procedur         |
| 10                    | 0CCT4ZZ              | Extirpation of Matter from R Vocal Cord, Perc Endo Approach  | 33                 | Other OR procedur         |
| 10                    | 0CCT7ZZ              | Extirpation of Matter from Right Vocal Cord, Via Opening     | 33                 | Other OR procedur         |
| 10                    | 0CCT8ZZ              | Extirpation of Matter from Right Vocal Cord, Endo            | 33                 | Other OR procedur         |
| 10                    | 0CCV0ZZ              | Extirpation of Matter from Left Vocal Cord, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0CCV3ZZ              | Extirpation of Matter from Left Vocal Cord, Perc Approach    | 33                 | Other OR procedur         |
| 10                    | 0CCV4ZZ              | Extirpation of Matter from L Vocal Cord, Perc Endo Approach  | 33                 | Other OR procedur         |
| 10                    | 0CCV7ZZ              | Extirpation of Matter from Left Vocal Cord, Via Opening      | 33                 | Other OR procedur         |
| 10                    | 0CCV8ZZ              | Extirpation of Matter from Left Vocal Cord, Endo             | 33                 | Other OR procedur         |
| 10                    | 0CDT0ZZ              | Extraction of Right Vocal Cord, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0CDT3ZZ              | Extraction of Right Vocal Cord, Percutaneous Approach        | 33                 | Other OR procedur         |
| 10                    | 0CDT4ZZ              | Extraction of Right Vocal Cord, Perc Endo Approach           | 33                 | Other OR procedur         |
| 10                    | 0CDT7ZZ              | Extraction of Right Vocal Cord, Via Opening                  | 33                 | Other OR procedur         |
| 10                    | 0CDT8ZZ              | Extraction of Right Vocal Cord, Endo                         | 33                 | Other OR procedur         |
| 10                    | 0CDV0ZZ              | Extraction of Left Vocal Cord, Open Approach                 | 33                 | Other OR procedur         |
| 10                    | 0CDV3ZZ              | Extraction of Left Vocal Cord, Percutaneous Approach         | 33                 | Other OR procedur         |
| 10                    | 0CDV4ZZ              | Extraction of Left Vocal Cord, Perc Endo Approach            | 33                 | Other OR procedur         |
| 10                    | 0CDV7ZZ              | Extraction of Left Vocal Cord, Via Opening                   | 33                 | Other OR procedur         |
| 10                    | 0CDV8ZZ              | Extraction of Left Vocal Cord, Endo                          | 33                 | Other OR procedur         |
| 10                    | 0CH701I              | Insertion of Radioactive Element into Tongue, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0CH731I              | Insertion of Radioactive Element into Tongue, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0CH7X1I              | Insertion of Radioact Elem into Tongue, Extern Approach      | 211                | Radiation therapy         |
| 10                    | 0CL80CZ              | Occlusion of R Parotid Duct with Extralum Dev, Open Appra    | 33                 | Other OR procedur         |
| 10                    | 0CL80DZ              | Occlusion of R Parotid Duct with Intralum Dev, Open Appra    | 33                 | Other OR procedur         |
| 10                    | 0CL80ZZ              | Occlusion of Right Parotid Duct, Open Approach               | 33                 | Other OR procedur         |
| 10                    | 0CL83CZ              | Occlusion of R Parotid Duct with Extralum Dev, Perc Appra    | 33                 | Other OR procedur         |
| 10                    | 0CL83DZ              | Occlusion of R Parotid Duct with Intralum Dev, Perc Appra    | 33                 | Other OR procedur         |
| 10                    | 0CL83ZZ              | Occlusion of Right Parotid Duct, Percutaneous Approach       | 33                 | Other OR procedur         |
| 10                    | 0CL84CZ              | Occlusion R Parotid Duct w Extralum Dev, Perc Endo           | 33                 | Other OR procedur         |
| 10                    | 0CL84DZ              | Occlusion R Parotid Duct w Intralum Dev, Perc Endo           | 33                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | OCLB4ZZ              | Occlusion of Right Parotid Duct, Perc Endo Approach        | 33                 | Other OR procedur          |
| 10                    | OCLB7DZ              | Occlusion of R Parotid Duct with Intralum Dev, Via Opening | 33                 | Other OR procedur          |
| 10                    | OCLB7ZZ              | Occlusion of Right Parotid Duct, Via Opening               | 33                 | Other OR procedur          |
| 10                    | OCLB8DZ              | Occlusion of Right Parotid Duct with Intralum Dev, Endo    | 33                 | Other OR procedur          |
| 10                    | OCLB8ZZ              | Occlusion of Right Parotid Duct, Endo                      | 33                 | Other OR procedur          |
| 10                    | OCLC0CZ              | Occlusion of L Parotid Duct with Extralum Dev, Open Appro  | 33                 | Other OR procedur          |
| 10                    | OCLC0DZ              | Occlusion of L Parotid Duct with Intralum Dev, Open Appro  | 33                 | Other OR procedur          |
| 10                    | OCLC0ZZ              | Occlusion of Left Parotid Duct, Open Approach              | 33                 | Other OR procedur          |
| 10                    | OCLC3CZ              | Occlusion of L Parotid Duct with Extralum Dev, Perc Appro  | 33                 | Other OR procedur          |
| 10                    | OCLC3DZ              | Occlusion of L Parotid Duct with Intralum Dev, Perc Appro  | 33                 | Other OR procedur          |
| 10                    | OCLC3ZZ              | Occlusion of Left Parotid Duct, Percutaneous Approach      | 33                 | Other OR procedur          |
| 10                    | OCLC4CZ              | Occlusion L Parotid Duct w Extralum Dev, Perc Endo         | 33                 | Other OR procedur          |
| 10                    | OCLC4DZ              | Occlusion L Parotid Duct w Intralum Dev, Perc Endo         | 33                 | Other OR procedur          |
| 10                    | OCLC4ZZ              | Occlusion of Left Parotid Duct, Perc Endo Approach         | 33                 | Other OR procedur          |
| 10                    | OCLC7DZ              | Occlusion of L Parotid Duct with Intralum Dev, Via Opening | 33                 | Other OR procedur          |
| 10                    | OCLC7ZZ              | Occlusion of Left Parotid Duct, Via Opening                | 33                 | Other OR procedur          |
| 10                    | OCLC8DZ              | Occlusion of Left Parotid Duct with Intralum Dev, Endo     | 33                 | Other OR procedur          |
| 10                    | OCLC8ZZ              | Occlusion of Left Parotid Duct, Endo                       | 33                 | Other OR procedur          |
| 10                    | OCM00ZZ              | Reattachment of Upper Lip, Open Approach                   | 33                 | Other OR procedur          |
| 10                    | OCM10ZZ              | Reattachment of Lower Lip, Open Approach                   | 33                 | Other OR procedur          |
| 10                    | OCM30ZZ              | Reattachment of Soft Palate, Open Approach                 | 33                 | Other OR procedur          |
| 10                    | OCM70ZZ              | Reattachment of Tongue, Open Approach                      | 33                 | Other OR procedur          |
| 10                    | OCMN0ZZ              | Reattachment of Uvula, Open Approach                       | 33                 | Other OR procedur          |
| 10                    | OCN20ZZ              | Release Hard Palate, Open Approach                         | 33                 | Other OR procedur          |
| 10                    | OCN23ZZ              | Release Hard Palate, Percutaneous Approach                 | 33                 | Other OR procedur          |
| 10                    | OCN2XZZ              | Release Hard Palate, External Approach                     | 33                 | Other OR procedur          |
| 10                    | OCN30ZZ              | Release Soft Palate, Open Approach                         | 33                 | Other OR procedur          |
| 10                    | OCN33ZZ              | Release Soft Palate, Percutaneous Approach                 | 33                 | Other OR procedur          |
| 10                    | OCN3XZZ              | Release Soft Palate, External Approach                     | 33                 | Other OR procedur          |
| 10                    | OCN40ZZ              | Release Buccal Mucosa, Open Approach                       | 33                 | Other OR procedur          |
| 10                    | OCN43ZZ              | Release Buccal Mucosa, Percutaneous Approach               | 33                 | Other OR procedur          |
| 10                    | OCN4XZZ              | Release Buccal Mucosa, External Approach                   | 33                 | Other OR procedur          |
| 10                    | OCN80ZZ              | Release Right Parotid Gland, Open Approach                 | 33                 | Other OR procedur          |
| 10                    | OCN83ZZ              | Release Right Parotid Gland, Percutaneous Approach         | 33                 | Other OR procedur          |
| 10                    | OCN90ZZ              | Release Left Parotid Gland, Open Approach                  | 33                 | Other OR procedur          |
| 10                    | OCN93ZZ              | Release Left Parotid Gland, Percutaneous Approach          | 33                 | Other OR procedur          |
| 10                    | OCN80ZZ              | Release Right Parotid Duct, Open Approach                  | 33                 | Other OR procedur          |
| 10                    | OCN83ZZ              | Release Right Parotid Duct, Percutaneous Approach          | 33                 | Other OR procedur          |
| 10                    | OCNC0ZZ              | Release Left Parotid Duct, Open Approach                   | 33                 | Other OR procedur          |
| 10                    | OCNC3ZZ              | Release Left Parotid Duct, Percutaneous Approach           | 33                 | Other OR procedur          |
| 10                    | OCND0ZZ              | Release Right Sublingual Gland, Open Approach              | 33                 | Other OR procedur          |
| 10                    | OCND3ZZ              | Release Right Sublingual Gland, Percutaneous Approach      | 33                 | Other OR procedur          |
| 10                    | OCNF0ZZ              | Release Left Sublingual Gland, Open Approach               | 33                 | Other OR procedur          |
| 10                    | OCNF3ZZ              | Release Left Sublingual Gland, Percutaneous Approach       | 33                 | Other OR procedur          |
| 10                    | OCNG0ZZ              | Release Right Submaxillary Gland, Open Approach            | 33                 | Other OR procedur          |
| 10                    | OCNG3ZZ              | Release Right Submaxillary Gland, Percutaneous Approach    | 33                 | Other OR procedur          |
| 10                    | OCNH0ZZ              | Release Left Submaxillary Gland, Open Approach             | 33                 | Other OR procedur          |
| 10                    | OCNH3ZZ              | Release Left Submaxillary Gland, Percutaneous Approach     | 33                 | Other OR procedur          |
| 10                    | OCNI0ZZ              | Release Minor Salivary Gland, Open Approach                | 33                 | Other OR procedur          |
| 10                    | OCNI3ZZ              | Release Minor Salivary Gland, Percutaneous Approach        | 33                 | Other OR procedur          |
| 10                    | OCNM0ZZ              | Release Pharynx, Open Approach                             | 33                 | Other OR procedur          |
| 10                    | OCNM3ZZ              | Release Pharynx, Percutaneous Approach                     | 33                 | Other OR procedur          |
| 10                    | OCNM4ZZ              | Release Pharynx, Percutaneous Endoscopic Approach          | 33                 | Other OR procedur          |
| 10                    | OCNM7ZZ              | Release Pharynx, Via Natural or Artificial Opening         | 33                 | Other OR procedur          |
| 10                    | OCNM8ZZ              | Release Pharynx, Endo                                      | 33                 | Other OR procedur          |
| 10                    | OCNN0ZZ              | Release Uvula, Open Approach                               | 33                 | Other OR procedur          |
| 10                    | OCNN3ZZ              | Release Uvula, Percutaneous Approach                       | 33                 | Other OR procedur          |
| 10                    | OCNNXZZ              | Release Uvula, External Approach                           | 33                 | Other OR procedur          |
| 10                    | OCNP0ZZ              | Release Tonsils, Open Approach                             | 33                 | Other OR procedur          |
| 10                    | OCNP3ZZ              | Release Tonsils, Percutaneous Approach                     | 33                 | Other OR procedur          |
| 10                    | OCNFXZZ              | Release Tonsils, External Approach                         | 33                 | Other OR procedur          |
| 10                    | OCNQ0ZZ              | Release Adenoids, Open Approach                            | 33                 | Other OR procedur          |
| 10                    | OCNQ3ZZ              | Release Adenoids, Percutaneous Approach                    | 33                 | Other OR procedur          |
| 10                    | OCNQXZZ              | Release Adenoids, External Approach                        | 33                 | Other OR procedur          |
| 10                    | OCNR0ZZ              | Release Epiglottis, Open Approach                          | 33                 | Other OR procedur          |
| 10                    | OCNR3ZZ              | Release Epiglottis, Percutaneous Approach                  | 33                 | Other OR procedur          |
| 10                    | OCNR4ZZ              | Release Epiglottis, Percutaneous Endoscopic Approach       | 33                 | Other OR procedur          |
| 10                    | OCNR7ZZ              | Release Epiglottis, Via Natural or Artificial Opening      | 33                 | Other OR procedur          |
| 10                    | OCNR8ZZ              | Release Epiglottis, Endo                                   | 33                 | Other OR procedur          |
| 10                    | OCNS0ZZ              | Release Larynx, Open Approach                              | 33                 | Other OR procedur          |
| 10                    | OCNS3ZZ              | Release Larynx, Percutaneous Approach                      | 33                 | Other OR procedur          |
| 10                    | OCNS4ZZ              | Release Larynx, Percutaneous Endoscopic Approach           | 33                 | Other OR procedur          |
| 10                    | OCNS7ZZ              | Release Larynx, Via Natural or Artificial Opening          | 33                 | Other OR procedur          |
| 10                    | OCNS8ZZ              | Release Larynx, Via Natural or Artificial Opening Endoscop | 33                 | Other OR procedur          |
| 10                    | OCNT0ZZ              | Release Right Vocal Cord, Open Approach                    | 33                 | Other OR procedur          |
| 10                    | OCNT3ZZ              | Release Right Vocal Cord, Percutaneous Approach            | 33                 | Other OR procedur          |
| 10                    | OCNT4ZZ              | Release Right Vocal Cord, Percutaneous Endoscopic Approach | 33                 | Other OR procedur          |
| 10                    | OCNT7ZZ              | Release Right Vocal Cord, Via Natural or Artificial Openin | 33                 | Other OR procedur          |
| 10                    | OCNT8ZZ              | Release Right Vocal Cord, Endo                             | 33                 | Other OR procedur          |
| 10                    | OCNV0ZZ              | Release Left Vocal Cord, Open Approach                     | 33                 | Other OR procedur          |
| 10                    | OCNV3ZZ              | Release Left Vocal Cord, Percutaneous Approach             | 33                 | Other OR procedur          |
| 10                    | OCNV4ZZ              | Release Left Vocal Cord, Percutaneous Endoscopic Approach  | 33                 | Other OR procedur          |
| 10                    | OCNV7ZZ              | Release Left Vocal Cord, Via Natural or Artificial Opening | 33                 | Other OR procedur          |
| 10                    | OCNV8ZZ              | Release Left Vocal Cord, Endo                              | 33                 | Other OR procedur          |
| 10                    | OCPS00Z              | Removal of Drainage Device from Larynx, Open Approach      | 33                 | Other OR procedur          |
| 10                    | OCPS07Z              | Removal of Autol Sub from Larynx, Open Approach            | 33                 | Other OR procedur          |
| 10                    | OCPS0DZ              | Removal of Intraluminal Device from Larynx, Open Approach  | 33                 | Other OR procedur          |
| 10                    | OCPS0JZ              | Removal of Synthetic Substitute from Larynx, Open Approach | 33                 | Other OR procedur          |
| 10                    | OCPS0KZ              | Removal of Nonaut Sub from Larynx, Open Approach           | 33                 | Other OR procedur          |
| 10                    | OCPS30Z              | Removal of Drainage Device from Larynx, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | OCPS37Z              | Removal of Autol Sub from Larynx, Perc Approach            | 33                 | Other OR procedur          |
| 10                    | OCPS3DZ              | Removal of Intraluminal Device from Larynx, Perc Approach  | 33                 | Other OR procedur          |
| 10                    | OCPS3JZ              | Removal of Synthetic Substitute from Larynx, Perc Approach | 33                 | Other OR procedur          |
| 10                    | OCPS3KZ              | Removal of Nonaut Sub from Larynx, Perc Approach           | 33                 | Other OR procedur          |
| 10                    | OCPS77Z              | Removal of Autol Sub from Larynx, Via Opening              | 33                 | Other OR procedur          |
| 10                    | OCPS7JZ              | Removal of Synthetic Substitute from Larynx, Via Opening   | 33                 | Other OR procedur          |
| 10                    | OCPS7KZ              | Removal of Nonaut Sub from Larynx, Via Opening             | 33                 | Other OR procedur          |
| 10                    | OCPS87Z              | Removal of Autologous Tissue Substitute from Larynx, Endo  | 33                 | Other OR procedur          |
| 10                    | OCPS8JZ              | Removal of Synthetic Substitute from Larynx, Endo          | 33                 | Other OR procedur          |
| 10                    | OCPS8KZ              | Removal of Nonautologous Tissue Substitute from Larynx, En | 33                 | Other OR procedur          |
| 10                    | OCPY00Z              | Removal of Drainage Device from Mouth/Throat, Open Approa  | 33                 | Other OR procedur          |
| 10                    | OCPY01Z              | Removal of Radioact Elem from Mouth/Throat, Open Approach  | 33                 | Other OR procedur          |
| 10                    | OCPY07Z              | Removal of Autol Sub from Mouth/Throat, Open Approach      | 33                 | Other OR procedur          |
| 10                    | OCPY0DZ              | Removal of Intralum Dev from Mouth/Throat, Open Approach   | 33                 | Other OR procedur          |
| 10                    | OCPY0JZ              | Removal of Synth Sub from Mouth/Throat, Open Approach      | 33                 | Other OR procedur          |
| 10                    | OCPY0KZ              | Removal of Nonaut Sub from Mouth/Throat, Open Approach     | 33                 | Other OR procedur          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0CPY30Z              | Removal of Drainage Device from Mouth/Throat, Perc Approach | 33                 | Other OR procedur          |
| 10                    | 0CPY31Z              | Removal of Radioact Elem from Mouth/Throat, Perc Approach   | 33                 | Other OR procedur          |
| 10                    | 0CPY37Z              | Removal of Autol Sub from Mouth/Throat, Perc Approach       | 33                 | Other OR procedur          |
| 10                    | 0CPY3DZ              | Removal of Intralum Dev from Mouth/Throat, Perc Approach    | 33                 | Other OR procedur          |
| 10                    | 0CPY3JZ              | Removal of Synth Sub from Mouth/Throat, Perc Approach       | 33                 | Other OR procedur          |
| 10                    | 0CPY3KZ              | Removal of Nonaut Sub from Mouth/Throat, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | 0CPY71Z              | Removal of Radioact Elem from Mouth/Throat, Via Opening     | 33                 | Other OR procedur          |
| 10                    | 0CPY77Z              | Removal of Autol Sub from Mouth/Throat, Via Opening         | 33                 | Other OR procedur          |
| 10                    | 0CPY7JZ              | Removal of Synth Sub from Mouth/Throat, Via Opening         | 33                 | Other OR procedur          |
| 10                    | 0CPY7KZ              | Removal of Nonaut Sub from Mouth/Throat, Via Opening        | 33                 | Other OR procedur          |
| 10                    | 0CPY81Z              | Removal of Radioactive Element from Mouth and Throat, Endo  | 33                 | Other OR procedur          |
| 10                    | 0CPY87Z              | Removal of Autol Sub from Mouth/Throat, Endo                | 33                 | Other OR procedur          |
| 10                    | 0CPY8JZ              | Removal of Synthetic Substitute from Mouth and Throat, End  | 33                 | Other OR procedur          |
| 10                    | 0CPY8KZ              | Removal of Nonaut Sub from Mouth/Throat, Endo               | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Upper Lip, Open Approach                             | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Upper Lip, Percutaneous Approach                     | 33                 | Other OR procedur          |
| 10                    | 0CQ10Z               | Repair Lower Lip, Open Approach                             | 33                 | Other OR procedur          |
| 10                    | 0CQ13Z               | Repair Lower Lip, Percutaneous Approach                     | 33                 | Other OR procedur          |
| 10                    | 0CQ20Z               | Repair Hard Palate, Open Approach                           | 33                 | Other OR procedur          |
| 10                    | 0CQ23Z               | Repair Hard Palate, Percutaneous Approach                   | 33                 | Other OR procedur          |
| 10                    | 0CQ2XZ               | Repair Hard Palate, External Approach                       | 33                 | Other OR procedur          |
| 10                    | 0CQ30Z               | Repair Soft Palate, Open Approach                           | 33                 | Other OR procedur          |
| 10                    | 0CQ33Z               | Repair Soft Palate, Percutaneous Approach                   | 33                 | Other OR procedur          |
| 10                    | 0CQ3XZ               | Repair Soft Palate, External Approach                       | 33                 | Other OR procedur          |
| 10                    | 0CQ40Z               | Repair Buccal Mucosa, Open Approach                         | 33                 | Other OR procedur          |
| 10                    | 0CQ43Z               | Repair Buccal Mucosa, Percutaneous Approach                 | 33                 | Other OR procedur          |
| 10                    | 0CQ4XZ               | Repair Buccal Mucosa, External Approach                     | 33                 | Other OR procedur          |
| 10                    | 0CQ70Z               | Repair Tongue, Open Approach                                | 33                 | Other OR procedur          |
| 10                    | 0CQ73Z               | Repair Tongue, Percutaneous Approach                        | 33                 | Other OR procedur          |
| 10                    | 0CQ7XZ               | Repair Tongue, External Approach                            | 33                 | Other OR procedur          |
| 10                    | 0CQ80Z               | Repair Right Parotid Gland, Open Approach                   | 33                 | Other OR procedur          |
| 10                    | 0CQ83Z               | Repair Right Parotid Gland, Percutaneous Approach           | 33                 | Other OR procedur          |
| 10                    | 0CQ90Z               | Repair Left Parotid Gland, Open Approach                    | 33                 | Other OR procedur          |
| 10                    | 0CQ93Z               | Repair Left Parotid Gland, Percutaneous Approach            | 33                 | Other OR procedur          |
| 10                    | 0CQ80Z               | Repair Right Parotid Duct, Open Approach                    | 33                 | Other OR procedur          |
| 10                    | 0CQ83Z               | Repair Right Parotid Duct, Percutaneous Approach            | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Left Parotid Duct, Open Approach                     | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Left Parotid Duct, Percutaneous Approach             | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Right Sublingual Gland, Open Approach                | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Right Sublingual Gland, Percutaneous Approach        | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Left Sublingual Gland, Open Approach                 | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Left Sublingual Gland, Percutaneous Approach         | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Right Submaxillary Gland, Open Approach              | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Right Submaxillary Gland, Percutaneous Approach      | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Left Submaxillary Gland, Open Approach               | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Left Submaxillary Gland, Percutaneous Approach       | 33                 | Other OR procedur          |
| 10                    | 0CQ00Z               | Repair Minor Salivary Gland, Open Approach                  | 33                 | Other OR procedur          |
| 10                    | 0CQ03Z               | Repair Minor Salivary Gland, Percutaneous Approach          | 33                 | Other OR procedur          |
| 10                    | 0CQM0Z               | Repair Pharynx, Open Approach                               | 33                 | Other OR procedur          |
| 10                    | 0CQM3Z               | Repair Pharynx, Percutaneous Approach                       | 33                 | Other OR procedur          |
| 10                    | 0CQM4Z               | Repair Pharynx, Percutaneous Endoscopic Approach            | 33                 | Other OR procedur          |
| 10                    | 0CQM7Z               | Repair Pharynx, Via Natural or Artificial Opening           | 33                 | Other OR procedur          |
| 10                    | 0CQM8Z               | Repair Pharynx, Via Natural or Artificial Opening Endosco   | 33                 | Other OR procedur          |
| 10                    | 0CQN0Z               | Repair Uvula, Open Approach                                 | 33                 | Other OR procedur          |
| 10                    | 0CQN3Z               | Repair Uvula, Percutaneous Approach                         | 33                 | Other OR procedur          |
| 10                    | 0CQN0Z               | Repair Uvula, External Approach                             | 33                 | Other OR procedur          |
| 10                    | 0CQP0Z               | Repair Tonsils, Open Approach                               | 33                 | Other OR procedur          |
| 10                    | 0CQP3Z               | Repair Tonsils, Percutaneous Approach                       | 33                 | Other OR procedur          |
| 10                    | 0CQPXZ               | Repair Tonsils, External Approach                           | 33                 | Other OR procedur          |
| 10                    | 0CQQ0Z               | Repair Adenoids, Open Approach                              | 33                 | Other OR procedur          |
| 10                    | 0CQQ3Z               | Repair Adenoids, Percutaneous Approach                      | 33                 | Other OR procedur          |
| 10                    | 0CQQXZ               | Repair Adenoids, External Approach                          | 33                 | Other OR procedur          |
| 10                    | 0CQR0Z               | Repair Epiglottis, Open Approach                            | 33                 | Other OR procedur          |
| 10                    | 0CQR3Z               | Repair Epiglottis, Percutaneous Approach                    | 33                 | Other OR procedur          |
| 10                    | 0CQR4Z               | Repair Epiglottis, Percutaneous Endoscopic Approach         | 33                 | Other OR procedur          |
| 10                    | 0CQR7Z               | Repair Epiglottis, Via Natural or Artificial Opening        | 33                 | Other OR procedur          |
| 10                    | 0CQR8Z               | Repair Epiglottis, Endo                                     | 33                 | Other OR procedur          |
| 10                    | 0CQS0Z               | Repair Larynx, Open Approach                                | 33                 | Other OR procedur          |
| 10                    | 0CQS3Z               | Repair Larynx, Percutaneous Approach                        | 33                 | Other OR procedur          |
| 10                    | 0CQS4Z               | Repair Larynx, Percutaneous Endoscopic Approach             | 33                 | Other OR procedur          |
| 10                    | 0CQS7Z               | Repair Larynx, Via Natural or Artificial Opening            | 33                 | Other OR procedur          |
| 10                    | 0CQS8Z               | Repair Larynx, Via Natural or Artificial Opening Endosco    | 33                 | Other OR procedur          |
| 10                    | 0CQT0Z               | Repair Right Vocal Cord, Open Approach                      | 33                 | Other OR procedur          |
| 10                    | 0CQT3Z               | Repair Right Vocal Cord, Percutaneous Approach              | 33                 | Other OR procedur          |
| 10                    | 0CQT4Z               | Repair Right Vocal Cord, Percutaneous Endoscopic Approach   | 33                 | Other OR procedur          |
| 10                    | 0CQT7Z               | Repair Right Vocal Cord, Via Natural or Artificial Opening  | 33                 | Other OR procedur          |
| 10                    | 0CQT8Z               | Repair Right Vocal Cord, Endo                               | 33                 | Other OR procedur          |
| 10                    | 0CQV0Z               | Repair Left Vocal Cord, Open Approach                       | 33                 | Other OR procedur          |
| 10                    | 0CQV3Z               | Repair Left Vocal Cord, Percutaneous Approach               | 33                 | Other OR procedur          |
| 10                    | 0CQV4Z               | Repair Left Vocal Cord, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur          |
| 10                    | 0CQV7Z               | Repair Left Vocal Cord, Via Natural or Artificial Opening   | 33                 | Other OR procedur          |
| 10                    | 0CQV8Z               | Repair Left Vocal Cord, Endo                                | 33                 | Other OR procedur          |
| 10                    | 0CR00Z               | Replacement of Upper Lip with Autol Sub, Open Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR00Z               | Replacement of Upper Lip with Synth Sub, Open Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR00Z               | Replacement of Upper Lip with Nonaut Sub, Open Approach     | 33                 | Other OR procedur          |
| 10                    | 0CR03Z               | Replacement of Upper Lip with Autol Sub, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR03Z               | Replacement of Upper Lip with Synth Sub, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR03Z               | Replacement of Upper Lip with Nonaut Sub, Perc Approach     | 33                 | Other OR procedur          |
| 10                    | 0CR0XZ               | Replacement of Upper Lip with Autol Sub, Extern Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR0XZ               | Replacement of Upper Lip with Synth Sub, Extern Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR0XZ               | Replacement of Upper Lip with Nonaut Sub, Extern Approach   | 33                 | Other OR procedur          |
| 10                    | 0CR10Z               | Replacement of Lower Lip with Autol Sub, Open Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR10Z               | Replacement of Lower Lip with Synth Sub, Open Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR10Z               | Replacement of Lower Lip with Nonaut Sub, Open Approach     | 33                 | Other OR procedur          |
| 10                    | 0CR13Z               | Replacement of Lower Lip with Autol Sub, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR13Z               | Replacement of Lower Lip with Synth Sub, Perc Approach      | 33                 | Other OR procedur          |
| 10                    | 0CR13Z               | Replacement of Lower Lip with Nonaut Sub, Perc Approach     | 33                 | Other OR procedur          |
| 10                    | 0CR1XZ               | Replacement of Lower Lip with Autol Sub, Extern Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR1XZ               | Replacement of Lower Lip with Synth Sub, Extern Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR1XZ               | Replacement of Lower Lip with Nonaut Sub, Extern Approach   | 33                 | Other OR procedur          |
| 10                    | 0CR20Z               | Replacement of Hard Palate with Autol Sub, Open Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR20Z               | Replacement of Hard Palate with Synth Sub, Open Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR20Z               | Replacement of Hard Palate with Nonaut Sub, Open Approach   | 33                 | Other OR procedur          |
| 10                    | 0CR23Z               | Replacement of Hard Palate with Autol Sub, Perc Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR23Z               | Replacement of Hard Palate with Synth Sub, Perc Approach    | 33                 | Other OR procedur          |
| 10                    | 0CR23Z               | Replacement of Hard Palate with Nonaut Sub, Perc Approach   | 33                 | Other OR procedur          |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0CRV0JZ              | Replacement of Left Vocal Cord with Synth Sub, Open Approa | 33                 | Other OR procedur         |
| 10                    | 0CRV0KZ              | Replacement of L Vocal Cord with Nonaut Sub, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0CRV77Z              | Replacement of Left Vocal Cord with Autol Sub, Via Opening | 33                 | Other OR procedur         |
| 10                    | 0CRV7JZ              | Replacement of Left Vocal Cord with Synth Sub, Via Opening | 33                 | Other OR procedur         |
| 10                    | 0CRV7KZ              | Replacement of Left Vocal Cord with Nonaut Sub, Via Openin | 33                 | Other OR procedur         |
| 10                    | 0CRV87Z              | Replacement of Left Vocal Cord with Autol Sub, Endo        | 33                 | Other OR procedur         |
| 10                    | 0CRV8JZ              | Replacement of Left Vocal Cord with Synth Sub, Endo        | 33                 | Other OR procedur         |
| 10                    | 0CRV8KZ              | Replacement of Left Vocal Cord with Nonaut Sub, Endo       | 33                 | Other OR procedur         |
| 10                    | 0CS00ZZ              | Reposition Upper Lip, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CS0XZZ              | Reposition Upper Lip, External Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CS10ZZ              | Reposition Lower Lip, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CS1XZZ              | Reposition Lower Lip, External Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CS20ZZ              | Reposition Hard Palate, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CS2XZZ              | Reposition Hard Palate, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CS30ZZ              | Reposition Soft Palate, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CS3XZZ              | Reposition Soft Palate, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CS70ZZ              | Reposition Tongue, Open Approach                           | 33                 | Other OR procedur         |
| 10                    | 0CS7XZZ              | Reposition Tongue, External Approach                       | 33                 | Other OR procedur         |
| 10                    | 0CS80ZZ              | Reposition Right Parotid Duct, Open Approach               | 33                 | Other OR procedur         |
| 10                    | 0CS83ZZ              | Reposition Right Parotid Duct, Percutaneous Approach       | 33                 | Other OR procedur         |
| 10                    | 0CS00ZZ              | Reposition Left Parotid Duct, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0CS03ZZ              | Reposition Left Parotid Duct, Percutaneous Approach        | 33                 | Other OR procedur         |
| 10                    | 0CSN0ZZ              | Reposition Uvula, Open Approach                            | 33                 | Other OR procedur         |
| 10                    | 0CSNXZZ              | Reposition Uvula, External Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CSR0ZZ              | Reposition Epiglottis, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0CSR7ZZ              | Reposition Epiglottis, Via Natural or Artificial Opening   | 33                 | Other OR procedur         |
| 10                    | 0CSR8ZZ              | Reposition Epiglottis, Endo                                | 33                 | Other OR procedur         |
| 10                    | 0CST0ZZ              | Reposition Right Vocal Cord, Open Approach                 | 33                 | Other OR procedur         |
| 10                    | 0CST7ZZ              | Reposition Right Vocal Cord, Via Opening                   | 33                 | Other OR procedur         |
| 10                    | 0CST8ZZ              | Reposition Right Vocal Cord, Endo                          | 33                 | Other OR procedur         |
| 10                    | 0CSV0ZZ              | Reposition Left Vocal Cord, Open Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CSV7ZZ              | Reposition Left Vocal Cord, Via Opening                    | 33                 | Other OR procedur         |
| 10                    | 0CSV8ZZ              | Reposition Left Vocal Cord, Endo                           | 33                 | Other OR procedur         |
| 10                    | 0CT00ZZ              | Resection of Upper Lip, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CT0XZZ              | Resection of Upper Lip, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CT10ZZ              | Resection of Lower Lip, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CT1XZZ              | Resection of Lower Lip, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CT20ZZ              | Resection of Hard Palate, Open Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CT2XZZ              | Resection of Hard Palate, External Approach                | 33                 | Other OR procedur         |
| 10                    | 0CT30ZZ              | Resection of Soft Palate, Open Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CT3XZZ              | Resection of Soft Palate, External Approach                | 33                 | Other OR procedur         |
| 10                    | 0CT70ZZ              | Resection of Tongue, Open Approach                         | 33                 | Other OR procedur         |
| 10                    | 0CT7XZZ              | Resection of Tongue, External Approach                     | 33                 | Other OR procedur         |
| 10                    | 0CT80ZZ              | Resection of Right Parotid Gland, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CT90ZZ              | Resection of Left Parotid Gland, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CT80ZZ              | Resection of Right Parotid Duct, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CT00ZZ              | Resection of Left Parotid Duct, Open Approach              | 33                 | Other OR procedur         |
| 10                    | 0CTD0ZZ              | Resection of Right Sublingual Gland, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CTF0ZZ              | Resection of Left Sublingual Gland, Open Approach          | 33                 | Other OR procedur         |
| 10                    | 0CTG0ZZ              | Resection of Right Submaxillary Gland, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CTH0ZZ              | Resection of Left Submaxillary Gland, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CTJ0ZZ              | Resection of Minor Salivary Gland, Open Approach           | 33                 | Other OR procedur         |
| 10                    | 0CTM0ZZ              | Resection of Pharynx, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CTM4ZZ              | Resection of Pharynx, Percutaneous Endoscopic Approach     | 33                 | Other OR procedur         |
| 10                    | 0CTM7ZZ              | Resection of Pharynx, Via Natural or Artificial Opening    | 33                 | Other OR procedur         |
| 10                    | 0CTM8ZZ              | Resection of Pharynx, Endo                                 | 33                 | Other OR procedur         |
| 10                    | 0CTN0ZZ              | Resection of Uvula, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0CTNXZZ              | Resection of Uvula, External Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CTR0ZZ              | Resection of Epiglottis, Open Approach                     | 33                 | Other OR procedur         |
| 10                    | 0CTR4ZZ              | Resection of Epiglottis, Percutaneous Endoscopic Approach  | 33                 | Other OR procedur         |
| 10                    | 0CTR7ZZ              | Resection of Epiglottis, Via Natural or Artificial Opening | 33                 | Other OR procedur         |
| 10                    | 0CTR8ZZ              | Resection of Epiglottis, Endo                              | 33                 | Other OR procedur         |
| 10                    | 0CTS0ZZ              | Resection of Larynx, Open Approach                         | 33                 | Other OR procedur         |
| 10                    | 0CTS0ZZ              | Resection of Larynx, Open Approach                         | 33                 | Other OR procedur         |
| 10                    | 0CTS4ZZ              | Resection of Larynx, Percutaneous Endoscopic Approach      | 33                 | Other OR procedur         |
| 10                    | 0CTS4ZZ              | Resection of Larynx, Percutaneous Endoscopic Approach      | 33                 | Other OR procedur         |
| 10                    | 0CTS7ZZ              | Resection of Larynx, Via Natural or Artificial Opening     | 33                 | Other OR procedur         |
| 10                    | 0CTS7ZZ              | Resection of Larynx, Via Natural or Artificial Opening     | 33                 | Other OR procedur         |
| 10                    | 0CTS8ZZ              | Resection of Larynx, Endo                                  | 33                 | Other OR procedur         |
| 10                    | 0CTS8ZZ              | Resection of Larynx, Endo                                  | 33                 | Other OR procedur         |
| 10                    | 0CTT0ZZ              | Resection of Right Vocal Cord, Open Approach               | 33                 | Other OR procedur         |
| 10                    | 0CTT4ZZ              | Resection of Right Vocal Cord, Perc Endo Approach          | 33                 | Other OR procedur         |
| 10                    | 0CTT7ZZ              | Resection of Right Vocal Cord, Via Opening                 | 33                 | Other OR procedur         |
| 10                    | 0CTT8ZZ              | Resection of Right Vocal Cord, Endo                        | 33                 | Other OR procedur         |
| 10                    | 0CTV0ZZ              | Resection of Left Vocal Cord, Open Approach                | 33                 | Other OR procedur         |
| 10                    | 0CTV4ZZ              | Resection of Left Vocal Cord, Perc Endo Approach           | 33                 | Other OR procedur         |
| 10                    | 0CTV7ZZ              | Resection of Left Vocal Cord, Via Opening                  | 33                 | Other OR procedur         |
| 10                    | 0CTV8ZZ              | Resection of Left Vocal Cord, Endo                         | 33                 | Other OR procedur         |
| 10                    | 0CU007Z              | Supplement Upper Lip with Autol Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU00JZ              | Supplement Upper Lip with Synth Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU00KZ              | Supplement Upper Lip with Nonaut Sub, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU037Z              | Supplement Upper Lip with Autol Sub, Perc Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU03JZ              | Supplement Upper Lip with Synth Sub, Perc Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU03KZ              | Supplement Upper Lip with Nonaut Sub, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU0X7Z              | Supplement Upper Lip with Autol Sub, Extern Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU0XJZ              | Supplement Upper Lip with Synth Sub, Extern Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU0XKZ              | Supplement Upper Lip with Nonaut Sub, Extern Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU107Z              | Supplement Lower Lip with Autol Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU10JZ              | Supplement Lower Lip with Synth Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU10KZ              | Supplement Lower Lip with Nonaut Sub, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU137Z              | Supplement Lower Lip with Autol Sub, Perc Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU13JZ              | Supplement Lower Lip with Synth Sub, Perc Approach         | 33                 | Other OR procedur         |
| 10                    | 0CU13KZ              | Supplement Lower Lip with Nonaut Sub, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU1X7Z              | Supplement Lower Lip with Autol Sub, Extern Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU1XJZ              | Supplement Lower Lip with Synth Sub, Extern Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU1XKZ              | Supplement Lower Lip with Nonaut Sub, Extern Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU207Z              | Supplement Hard Palate with Autol Sub, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU20KZ              | Supplement Hard Palate with Nonaut Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU237Z              | Supplement Hard Palate with Autol Sub, Perc Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU23KZ              | Supplement Hard Palate with Nonaut Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU2X7Z              | Supplement Hard Palate with Autol Sub, Extern Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU2XJZ              | Supplement Hard Palate with Synth Sub, Extern Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU2XKZ              | Supplement Hard Palate with Nonaut Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU307Z              | Supplement Soft Palate with Autol Sub, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU30JZ              | Supplement Soft Palate with Synth Sub, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU30KZ              | Supplement Soft Palate with Nonaut Sub, Open Approach      | 33                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0CU337Z              | Supplement Soft Palate with Autol Sub, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU33JZ              | Supplement Soft Palate with Synth Sub, Perc Approach        | 33                 | Other OR procedur         |
| 10                    | 0CU33KZ              | Supplement Soft Palate with Nonaut Sub, Perc Approach       | 33                 | Other OR procedur         |
| 10                    | 0CU3X7Z              | Supplement Soft Palate with Autol Sub, Extern Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU3XJZ              | Supplement Soft Palate with Synth Sub, Extern Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU3XKZ              | Supplement Soft Palate with Nonaut Sub, Extern Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU407Z              | Supplement Buccal Mucosa with Autol Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU40JZ              | Supplement Buccal Mucosa with Synth Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU40KZ              | Supplement Buccal Mucosa with Nonaut Sub, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU437Z              | Supplement Buccal Mucosa with Autol Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU43JZ              | Supplement Buccal Mucosa with Synth Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU43KZ              | Supplement Buccal Mucosa with Nonaut Sub, Perc Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU4X7Z              | Supplement Buccal Mucosa with Autol Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU4XJZ              | Supplement Buccal Mucosa with Synth Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU4XKZ              | Supplement Buccal Mucosa with Nonaut Sub, Extern Approach   | 33                 | Other OR procedur         |
| 10                    | 0CU507Z              | Supplement Upper Gingiva with Autol Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU50JZ              | Supplement Upper Gingiva with Synth Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU50KZ              | Supplement Upper Gingiva with Nonaut Sub, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU537Z              | Supplement Upper Gingiva with Autol Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU53JZ              | Supplement Upper Gingiva with Synth Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU53KZ              | Supplement Upper Gingiva with Nonaut Sub, Perc Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU5X7Z              | Supplement Upper Gingiva with Autol Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU5XJZ              | Supplement Upper Gingiva with Synth Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU5XKZ              | Supplement Upper Gingiva with Nonaut Sub, Extern Approach   | 33                 | Other OR procedur         |
| 10                    | 0CU607Z              | Supplement Lower Gingiva with Autol Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU60JZ              | Supplement Lower Gingiva with Synth Sub, Open Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU60KZ              | Supplement Lower Gingiva with Nonaut Sub, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU637Z              | Supplement Lower Gingiva with Autol Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU63JZ              | Supplement Lower Gingiva with Synth Sub, Perc Approach      | 33                 | Other OR procedur         |
| 10                    | 0CU63KZ              | Supplement Lower Gingiva with Nonaut Sub, Perc Approach     | 33                 | Other OR procedur         |
| 10                    | 0CU6X7Z              | Supplement Lower Gingiva with Autol Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU6XJZ              | Supplement Lower Gingiva with Synth Sub, Extern Approach    | 33                 | Other OR procedur         |
| 10                    | 0CU6XKZ              | Supplement Lower Gingiva with Nonaut Sub, Extern Approach   | 33                 | Other OR procedur         |
| 10                    | 0CU707Z              | Supplement Tongue with Autol Sub, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CU70JZ              | Supplement Tongue with Synthetic Substitute, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0CU70KZ              | Supplement Tongue with Nonaut Sub, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CU737Z              | Supplement Tongue with Autol Sub, Perc Approach             | 33                 | Other OR procedur         |
| 10                    | 0CU73JZ              | Supplement Tongue with Synthetic Substitute, Perc Approach  | 33                 | Other OR procedur         |
| 10                    | 0CU73KZ              | Supplement Tongue with Nonaut Sub, Perc Approach            | 33                 | Other OR procedur         |
| 10                    | 0CU7X7Z              | Supplement Tongue with Autol Sub, Extern Approach           | 33                 | Other OR procedur         |
| 10                    | 0CU7XJZ              | Supplement Tongue with Synthetic Substitute, Extern Approa  | 33                 | Other OR procedur         |
| 10                    | 0CU7XKZ              | Supplement Tongue with Nonaut Sub, Extern Approach          | 33                 | Other OR procedur         |
| 10                    | 0CUM07Z              | Supplement Pharynx with Autol Sub, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CUM0JZ              | Supplement Pharynx with Synthetic Substitute, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0CUM0KZ              | Supplement Pharynx with Nonaut Sub, Open Approach           | 33                 | Other OR procedur         |
| 10                    | 0CUM77Z              | Supplement Pharynx with Autol Sub, Via Opening              | 33                 | Other OR procedur         |
| 10                    | 0CUM7JZ              | Supplement Pharynx with Synthetic Substitute, Via Opening   | 33                 | Other OR procedur         |
| 10                    | 0CUM7KZ              | Supplement Pharynx with Nonaut Sub, Via Opening             | 33                 | Other OR procedur         |
| 10                    | 0CUM87Z              | Supplement Pharynx with Autologous Tissue Substitute, Endo  | 33                 | Other OR procedur         |
| 10                    | 0CUM8JZ              | Supplement Pharynx with Synthetic Substitute, Endo          | 33                 | Other OR procedur         |
| 10                    | 0CUM8KZ              | Supplement Pharynx with Nonaut Sub, Endo                    | 33                 | Other OR procedur         |
| 10                    | 0CUN07Z              | Supplement Uvula with Autol Sub, Open Approach              | 33                 | Other OR procedur         |
| 10                    | 0CUN0JZ              | Supplement Uvula with Synthetic Substitute, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CUN0KZ              | Supplement Uvula with Nonaut Sub, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CUN37Z              | Supplement Uvula with Autol Sub, Perc Approach              | 33                 | Other OR procedur         |
| 10                    | 0CUN3JZ              | Supplement Uvula with Synthetic Substitute, Perc Approach   | 33                 | Other OR procedur         |
| 10                    | 0CUN3KZ              | Supplement Uvula with Nonaut Sub, Perc Approach             | 33                 | Other OR procedur         |
| 10                    | 0CUNX7Z              | Supplement Uvula with Autol Sub, Extern Approach            | 33                 | Other OR procedur         |
| 10                    | 0CUNXJZ              | Supplement Uvula with Synthetic Substitute, Extern Approach | 33                 | Other OR procedur         |
| 10                    | 0CUNXKZ              | Supplement Uvula with Nonaut Sub, Extern Approach           | 33                 | Other OR procedur         |
| 10                    | 0CUR07Z              | Supplement Epiglottis with Autol Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CUR0JZ              | Supplement Epiglottis with Synth Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | 0CUR0KZ              | Supplement Epiglottis with Nonaut Sub, Open Approach        | 33                 | Other OR procedur         |
| 10                    | 0CUR77Z              | Supplement Epiglottis with Autol Sub, Via Opening           | 33                 | Other OR procedur         |
| 10                    | 0CUR7JZ              | Supplement Epiglottis with Synthetic Substitute, Via Openi  | 33                 | Other OR procedur         |
| 10                    | 0CUR7KZ              | Supplement Epiglottis with Nonaut Sub, Via Opening          | 33                 | Other OR procedur         |
| 10                    | 0CUR87Z              | Supplement Epiglottis with Autol Sub, Endo                  | 33                 | Other OR procedur         |
| 10                    | 0CUR8JZ              | Supplement Epiglottis with Synthetic Substitute, Endo       | 33                 | Other OR procedur         |
| 10                    | 0CUR8KZ              | Supplement Epiglottis with Nonaut Sub, Endo                 | 33                 | Other OR procedur         |
| 10                    | 0CUS07Z              | Supplement Larynx with Autol Sub, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CUS0JZ              | Supplement Larynx with Synthetic Substitute, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0CUS0KZ              | Supplement Larynx with Nonaut Sub, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CUS77Z              | Supplement Larynx with Autol Sub, Via Opening               | 33                 | Other OR procedur         |
| 10                    | 0CUS7JZ              | Supplement Larynx with Synthetic Substitute, Via Opening    | 33                 | Other OR procedur         |
| 10                    | 0CUS7KZ              | Supplement Larynx with Nonaut Sub, Via Opening              | 33                 | Other OR procedur         |
| 10                    | 0CUS87Z              | Supplement Larynx with Autologous Tissue Substitute, Endo   | 33                 | Other OR procedur         |
| 10                    | 0CUS8JZ              | Supplement Larynx with Synthetic Substitute, Endo           | 33                 | Other OR procedur         |
| 10                    | 0CUS8KZ              | Supplement Larynx with Nonautologous Tissue Substitute, En  | 33                 | Other OR procedur         |
| 10                    | 0CUT07Z              | Supplement Right Vocal Cord with Autol Sub, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CUT0JZ              | Supplement Right Vocal Cord with Synth Sub, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CUT0KZ              | Supplement Right Vocal Cord with Nonaut Sub, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0CUT77Z              | Supplement Right Vocal Cord with Autol Sub, Via Opening     | 33                 | Other OR procedur         |
| 10                    | 0CUT7JZ              | Supplement Right Vocal Cord with Synth Sub, Via Opening     | 33                 | Other OR procedur         |
| 10                    | 0CUT7KZ              | Supplement Right Vocal Cord with Nonaut Sub, Via Opening    | 33                 | Other OR procedur         |
| 10                    | 0CUT87Z              | Supplement Right Vocal Cord with Autol Sub, Endo            | 33                 | Other OR procedur         |
| 10                    | 0CUT8JZ              | Supplement Right Vocal Cord with Synthetic Substitute, End  | 33                 | Other OR procedur         |
| 10                    | 0CUT8KZ              | Supplement Right Vocal Cord with Nonaut Sub, Endo           | 33                 | Other OR procedur         |
| 10                    | 0CUV07Z              | Supplement Left Vocal Cord with Autol Sub, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0CUV0JZ              | Supplement Left Vocal Cord with Synth Sub, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0CUV0KZ              | Supplement Left Vocal Cord with Nonaut Sub, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CUV77Z              | Supplement Left Vocal Cord with Autol Sub, Via Opening      | 33                 | Other OR procedur         |
| 10                    | 0CUV7JZ              | Supplement Left Vocal Cord with Synth Sub, Via Opening      | 33                 | Other OR procedur         |
| 10                    | 0CUV7KZ              | Supplement Left Vocal Cord with Nonaut Sub, Via Opening     | 33                 | Other OR procedur         |
| 10                    | 0CUV87Z              | Supplement Left Vocal Cord with Autol Sub, Endo             | 33                 | Other OR procedur         |
| 10                    | 0CUV8JZ              | Supplement Left Vocal Cord with Synthetic Substitute, Endo  | 33                 | Other OR procedur         |
| 10                    | 0CUV8KZ              | Supplement Left Vocal Cord with Nonaut Sub, Endo            | 33                 | Other OR procedur         |
| 10                    | 0CVB0CZ              | Restrict of R Parotid Duct with Extralum Dev, Open Approac  | 33                 | Other OR procedur         |
| 10                    | 0CVB0DZ              | Restrict of R Parotid Duct with Intralum Dev, Open Approac  | 33                 | Other OR procedur         |
| 10                    | 0CVB0ZZ              | Restriction of Right Parotid Duct, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CVB3CZ              | Restrict of R Parotid Duct with Extralum Dev, Perc Approac  | 33                 | Other OR procedur         |
| 10                    | 0CVB3DZ              | Restrict of R Parotid Duct with Intralum Dev, Perc Approac  | 33                 | Other OR procedur         |
| 10                    | 0CVB3ZZ              | Restriction of Right Parotid Duct, Percutaneous Approach    | 33                 | Other OR procedur         |
| 10                    | 0CVB7DZ              | Restriction of R Parotid Duct with Intralum Dev, Via Openi  | 33                 | Other OR procedur         |
| 10                    | 0CVB7ZZ              | Restriction of Right Parotid Duct, Via Opening              | 33                 | Other OR procedur         |
| 10                    | 0CVB8DZ              | Restriction of Right Parotid Duct with Intralum Dev, Endo   | 33                 | Other OR procedur         |
| 10                    | 0CVB8ZZ              | Restriction of Right Parotid Duct, Endo                     | 33                 | Other OR procedur         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0CVC0CZ              | Restrict of L Parotid Duct with Extralum Dev, Open Approac | 33                 | Other OR procedur         |
| 10                    | 0CVC0DZ              | Restrict of L Parotid Duct with Intralum Dev, Open Approac | 33                 | Other OR procedur         |
| 10                    | 0CVC0ZZ              | Restriction of Left Parotid Duct, Open Approach            | 33                 | Other OR procedur         |
| 10                    | 0CVC3CZ              | Restrict of L Parotid Duct with Extralum Dev, Perc Approac | 33                 | Other OR procedur         |
| 10                    | 0CVC3DZ              | Restrict of L Parotid Duct with Intralum Dev, Perc Approac | 33                 | Other OR procedur         |
| 10                    | 0CVC3ZZ              | Restriction of Left Parotid Duct, Percutaneous Approach    | 33                 | Other OR procedur         |
| 10                    | 0CVC7DZ              | Restriction of L Parotid Duct with Intralum Dev, Via Openi | 33                 | Other OR procedur         |
| 10                    | 0CVC7ZZ              | Restriction of Left Parotid Duct, Via Opening              | 33                 | Other OR procedur         |
| 10                    | 0CVC8DZ              | Restriction of Left Parotid Duct with Intralum Dev, Endo   | 33                 | Other OR procedur         |
| 10                    | 0CVC8ZZ              | Restriction of Left Parotid Duct, Endo                     | 33                 | Other OR procedur         |
| 10                    | 0CWS00Z              | Revision of Drainage Device in Larynx, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CWS07Z              | Revision of Autol Sub in Larynx, Open Approach             | 33                 | Other OR procedur         |
| 10                    | 0CWS0DZ              | Revision of Intraluminal Device in Larynx, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CWS0JZ              | Revision of Synthetic Substitute in Larynx, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0CWS0KZ              | Revision of Nonaout Sub in Larynx, Open Approach           | 33                 | Other OR procedur         |
| 10                    | 0CWS30Z              | Revision of Drainage Device in Larynx, Percutaneous Approa | 33                 | Other OR procedur         |
| 10                    | 0CWS37Z              | Revision of Autol Sub in Larynx, Perc Approach             | 33                 | Other OR procedur         |
| 10                    | 0CWS3DZ              | Revision of Intraluminal Device in Larynx, Perc Approach   | 33                 | Other OR procedur         |
| 10                    | 0CWS3JZ              | Revision of Synthetic Substitute in Larynx, Perc Approach  | 33                 | Other OR procedur         |
| 10                    | 0CWS3KZ              | Revision of Nonaout Sub in Larynx, Perc Approach           | 33                 | Other OR procedur         |
| 10                    | 0CWS70Z              | Revision of Drainage Device in Larynx, Via Opening         | 33                 | Other OR procedur         |
| 10                    | 0CWS77Z              | Revision of Autol Sub in Larynx, Via Opening               | 33                 | Other OR procedur         |
| 10                    | 0CWS7DZ              | Revision of Intraluminal Device in Larynx, Via Opening     | 33                 | Other OR procedur         |
| 10                    | 0CWS7JZ              | Revision of Synthetic Substitute in Larynx, Via Opening    | 33                 | Other OR procedur         |
| 10                    | 0CWS7KZ              | Revision of Nonaout Sub in Larynx, Via Opening             | 33                 | Other OR procedur         |
| 10                    | 0CWS80Z              | Revision of Drainage Device in Larynx, Endo                | 33                 | Other OR procedur         |
| 10                    | 0CWS87Z              | Revision of Autologous Tissue Substitute in Larynx, Endo   | 33                 | Other OR procedur         |
| 10                    | 0CWS8DZ              | Revision of Intraluminal Device in Larynx, Endo            | 33                 | Other OR procedur         |
| 10                    | 0CWS8JZ              | Revision of Synthetic Substitute in Larynx, Endo           | 33                 | Other OR procedur         |
| 10                    | 0CWS8KZ              | Revision of Nonaotologous Tissue Substitute in Larynx, End | 33                 | Other OR procedur         |
| 10                    | 0CWY00Z              | Revision of Drainage Device in Mouth/Throat, Open Approach | 33                 | Other OR procedur         |
| 10                    | 0CWY01Z              | Revision of Radioact Elem in Mouth/Throat, Open Approach   | 33                 | Other OR procedur         |
| 10                    | 0CWY0DZ              | Revision of Intralum Dev in Mouth/Throat, Open Approach    | 33                 | Other OR procedur         |
| 10                    | 0CWY0JZ              | Revision of Synth Sub in Mouth/Throat, Open Approach       | 33                 | Other OR procedur         |
| 10                    | 0CWY0KZ              | Revision of Nonaout Sub in Mouth/Throat, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0CWY30Z              | Revision of Drainage Device in Mouth/Throat, Perc Approach | 33                 | Other OR procedur         |
| 10                    | 0CWY31Z              | Revision of Radioact Elem in Mouth/Throat, Perc Approach   | 33                 | Other OR procedur         |
| 10                    | 0CWY37Z              | Revision of Autol Sub in Mouth/Throat, Perc Approach       | 33                 | Other OR procedur         |
| 10                    | 0CWY3DZ              | Revision of Intralum Dev in Mouth/Throat, Perc Approach    | 33                 | Other OR procedur         |
| 10                    | 0CWY3JZ              | Revision of Synth Sub in Mouth/Throat, Perc Approach       | 33                 | Other OR procedur         |
| 10                    | 0CWY3KZ              | Revision of Nonaout Sub in Mouth/Throat, Perc Approach     | 33                 | Other OR procedur         |
| 10                    | 0CWY70Z              | Revision of Drainage Device in Mouth and Throat, Via Openi | 33                 | Other OR procedur         |
| 10                    | 0CWY71Z              | Revision of Radioactive Element in Mouth/Throat, Via Openi | 33                 | Other OR procedur         |
| 10                    | 0CWY77Z              | Revision of Autol Sub in Mouth/Throat, Via Opening         | 33                 | Other OR procedur         |
| 10                    | 0CWY7DZ              | Revision of Intraluminal Device in Mouth/Throat, Via Openi | 33                 | Other OR procedur         |
| 10                    | 0CWY7JZ              | Revision of Synth Sub in Mouth/Throat, Via Opening         | 33                 | Other OR procedur         |
| 10                    | 0CWY7KZ              | Revision of Nonaout Sub in Mouth/Throat, Via Opening       | 33                 | Other OR procedur         |
| 10                    | 0CWY80Z              | Revision of Drainage Device in Mouth and Throat, Endo      | 33                 | Other OR procedur         |
| 10                    | 0CWY81Z              | Revision of Radioactive Element in Mouth and Throat, Endo  | 33                 | Other OR procedur         |
| 10                    | 0CWY87Z              | Revision of Autol Sub in Mouth/Throat, Endo                | 33                 | Other OR procedur         |
| 10                    | 0CWY8DZ              | Revision of Intraluminal Device in Mouth and Throat, Endo  | 33                 | Other OR procedur         |
| 10                    | 0CWY8JZ              | Revision of Synthetic Substitute in Mouth and Throat, Endo | 33                 | Other OR procedur         |
| 10                    | 0CWY8KZ              | Revision of Nonaout Sub in Mouth/Throat, Endo              | 33                 | Other OR procedur         |
| 10                    | 0CX00ZZ              | Transfer Upper Lip, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0CX0XZZ              | Transfer Upper Lip, External Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CX10ZZ              | Transfer Lower Lip, Open Approach                          | 33                 | Other OR procedur         |
| 10                    | 0CX1XZZ              | Transfer Lower Lip, External Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CX30ZZ              | Transfer Soft Palate, Open Approach                        | 33                 | Other OR procedur         |
| 10                    | 0CX3XZZ              | Transfer Soft Palate, External Approach                    | 33                 | Other OR procedur         |
| 10                    | 0CX40ZZ              | Transfer Buccal Mucosa, Open Approach                      | 33                 | Other OR procedur         |
| 10                    | 0CX4XZZ              | Transfer Buccal Mucosa, External Approach                  | 33                 | Other OR procedur         |
| 10                    | 0CX70ZZ              | Transfer Tongue, Open Approach                             | 33                 | Other OR procedur         |
| 10                    | 0CX7XZZ              | Transfer Tongue, External Approach                         | 33                 | Other OR procedur         |
| 10                    | 0D550ZZ              | Destruction of Greater Omentum, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0D553ZZ              | Destruction of Greater Omentum, Percutaneous Approach      | 99                 | Other OR gastroin         |
| 10                    | 0D554ZZ              | Destruction of Greater Omentum, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0D5T0ZZ              | Destruction of Lesser Omentum, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0D5T3ZZ              | Destruction of Lesser Omentum, Percutaneous Approach       | 99                 | Other OR gastroin         |
| 10                    | 0D5T4ZZ              | Destruction of Lesser Omentum, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0D5V0ZZ              | Destruction of Mesentery, Open Approach                    | 99                 | Other OR gastroin         |
| 10                    | 0D5V3ZZ              | Destruction of Mesentery, Percutaneous Approach            | 99                 | Other OR gastroin         |
| 10                    | 0D5V4ZZ              | Destruction of Mesentery, Percutaneous Endoscopic Approach | 99                 | Other OR gastroin         |
| 10                    | 0D5W0ZZ              | Destruction of Peritoneum, Open Approach                   | 99                 | Other OR gastroin         |
| 10                    | 0D5W3ZZ              | Destruction of Peritoneum, Percutaneous Approach           | 99                 | Other OR gastroin         |
| 10                    | 0D5W4ZZ              | Destruction of Peritoneum, Percutaneous Endoscopic Approac | 99                 | Other OR gastroin         |
| 10                    | 0D9500Z              | Drainage of Greater Omentum with Drain Dev, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0D950ZZ              | Drainage of Greater Omentum, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0D9T00Z              | Drainage of Lesser Omentum with Drain Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0D9T0ZZ              | Drainage of Lesser Omentum, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0D9V00Z              | Drainage of Mesentery with Drainage Device, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0D9V0ZZ              | Drainage of Mesentery, Open Approach                       | 99                 | Other OR gastroin         |
| 10                    | 0D9W00Z              | Drainage of Peritoneum with Drainage Device, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0D9W0ZZ              | Drainage of Peritoneum, Open Approach                      | 99                 | Other OR gastroin         |
| 10                    | 0DB6023              | Excision of Stomach, Open Approach, Vertical               | 74                 | Gastrectomy; part         |
| 10                    | 0DB60ZZ              | Excision of Stomach, Open Approach                         | 74                 | Gastrectomy; part         |
| 10                    | 0DB6323              | Excision of Stomach, Percutaneous Approach, Vertical       | 74                 | Gastrectomy; part         |
| 10                    | 0DB63ZZ              | Excision of Stomach, Percutaneous Approach                 | 74                 | Gastrectomy; part         |
| 10                    | 0DB6423              | Excision of Stomach, Percutaneous Endoscopic Approach, Ver | 74                 | Gastrectomy; part         |
| 10                    | 0DB64ZZ              | Excision of Stomach, Percutaneous Endoscopic Approach      | 74                 | Gastrectomy; part         |
| 10                    | 0DB6723              | Excision of Stomach, Via Natural or Artificial Opening, Ve | 74                 | Gastrectomy; part         |
| 10                    | 0DB67ZZ              | Excision of Stomach, Via Natural or Artificial Opening     | 74                 | Gastrectomy; part         |
| 10                    | 0DB6823              | Excision of Stomach, Endo, Vert                            | 74                 | Gastrectomy; part         |
| 10                    | 0DB68ZZ              | Excision of Stomach, Endo                                  | 74                 | Gastrectomy; part         |
| 10                    | 0DB70ZZ              | Excision of Stomach, Pylorus, Open Approach                | 74                 | Gastrectomy; part         |
| 10                    | 0DB73ZZ              | Excision of Stomach, Pylorus, Percutaneous Approach        | 74                 | Gastrectomy; part         |
| 10                    | 0DB74ZZ              | Excision of Stomach, Pylorus, Perc Endo Approach           | 74                 | Gastrectomy; part         |
| 10                    | 0DB77ZZ              | Excision of Stomach, Pylorus, Via Opening                  | 74                 | Gastrectomy; part         |
| 10                    | 0DB78ZZ              | Excision of Stomach, Pylorus, Endo                         | 74                 | Gastrectomy; part         |
| 10                    | 0DBE0ZZ              | Excision of Large Intestine, Open Approach                 | 79                 | Excision (partial         |
| 10                    | 0DBE3ZZ              | Excision of Large Intestine, Percutaneous Approach         | 79                 | Excision (partial         |
| 10                    | 0DBF0ZZ              | Excision of Right Large Intestine, Open Approach           | 79                 | Excision (partial         |
| 10                    | 0DBF3ZZ              | Excision of Right Large Intestine, Percutaneous Approach   | 79                 | Excision (partial         |
| 10                    | 0DBG0ZZ              | Excision of Left Large Intestine, Open Approach            | 79                 | Excision (partial         |
| 10                    | 0DBG3ZZ              | Excision of Left Large Intestine, Percutaneous Approach    | 79                 | Excision (partial         |
| 10                    | 0DBH0ZZ              | Excision of Cecum, Open Approach                           | 79                 | Excision (partial         |
| 10                    | 0DBH3ZZ              | Excision of Cecum, Percutaneous Approach                   | 79                 | Excision (partial         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0DBK0ZZ              | Excision of Ascending Colon, Open Approach                   | 79                 | Excision (partial          |
| 10                    | 0DBL0ZZ              | Excision of Transverse Colon, Open Approach                  | 79                 | Excision (partial          |
| 10                    | 0DBL3ZZ              | Excision of Transverse Colon, Percutaneous Approach          | 79                 | Excision (partial          |
| 10                    | 0DBM0ZZ              | Excision of Descending Colon, Open Approach                  | 79                 | Excision (partial          |
| 10                    | 0DBN0ZZ              | Excision of Sigmoid Colon, Open Approach                     | 79                 | Excision (partial          |
| 10                    | 0DBS0ZZ              | Excision of Greater Omentum, Open Approach                   | 99                 | Other OR gastroin          |
| 10                    | 0DBS3ZZ              | Excision of Greater Omentum, Percutaneous Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DBS4ZZ              | Excision of Greater Omentum, Perc Endo Approach              | 99                 | Other OR gastroin          |
| 10                    | 0DBT0ZZ              | Excision of Lesser Omentum, Open Approach                    | 99                 | Other OR gastroin          |
| 10                    | 0DBT3ZZ              | Excision of Lesser Omentum, Percutaneous Approach            | 99                 | Other OR gastroin          |
| 10                    | 0DBT4ZZ              | Excision of Lesser Omentum, Percutaneous Endoscopic Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DBV0ZZ              | Excision of Mesentery, Open Approach                         | 99                 | Other OR gastroin          |
| 10                    | 0DBV3ZZ              | Excision of Mesentery, Percutaneous Approach                 | 99                 | Other OR gastroin          |
| 10                    | 0DBV4ZZ              | Excision of Mesentery, Percutaneous Endoscopic Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DBW0ZZ              | Excision of Peritoneum, Open Approach                        | 99                 | Other OR gastroin          |
| 10                    | 0DBW3ZZ              | Excision of Peritoneum, Percutaneous Approach                | 99                 | Other OR gastroin          |
| 10                    | 0DBW4ZZ              | Excision of Peritoneum, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DCS0ZZ              | Extirpation of Matter from Greater Omentum, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DCS3ZZ              | Extirpation of Matter from Greater Omentum, Perc Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DCS4ZZ              | Extirpation of Matter from Great Omentum, Perc Endo Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DCT0ZZ              | Extirpation of Matter from Lesser Omentum, Open Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DCT3ZZ              | Extirpation of Matter from Lesser Omentum, Perc Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DCT4ZZ              | Extirpation of Matter from Less Omentum, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DCV0ZZ              | Extirpation of Matter from Mesentery, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DCV3ZZ              | Extirpation of Matter from Mesentery, Percutaneous Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DCV4ZZ              | Extirpation of Matter from Mesentery, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DCW0ZZ              | Extirpation of Matter from Peritoneum, Open Approach         | 99                 | Other OR gastroin          |
| 10                    | 0DCW3ZZ              | Extirpation of Matter from Peritoneum, Percutaneous Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DCW4ZZ              | Extirpation of Matter from Peritoneum, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DH501Z              | Insertion of Radioactive Element into Esophag, Open Approa   | 211                | Radiation therapy          |
| 10                    | 0DH531Z              | Insertion of Radioactive Element into Esophag, Perc Approa   | 211                | Radiation therapy          |
| 10                    | 0DH541Z              | Insertion of Radioact Elem into Esophag, Perc Endo Approach  | 211                | Radiation therapy          |
| 10                    | 0DH571Z              | Insertion of Radioactive Element into Esophagus, Via Openi   | 211                | Radiation therapy          |
| 10                    | 0DH581Z              | Insertion of Radioactive Element into Esophagus, Endo        | 211                | Radiation therapy          |
| 10                    | 0DHP01Z              | Insertion of Radioactive Element into Rectum, Open Approach  | 211                | Radiation therapy          |
| 10                    | 0DHP31Z              | Insertion of Radioactive Element into Rectum, Perc Approach  | 211                | Radiation therapy          |
| 10                    | 0DHP41Z              | Insertion of Radioact Elem into Rectum, Perc Endo Approach   | 211                | Radiation therapy          |
| 10                    | 0DHP71Z              | Insertion of Radioactive Element into Rectum, Via Opening    | 211                | Radiation therapy          |
| 10                    | 0DHP81Z              | Insertion of Radioactive Element into Rectum, Endo           | 211                | Radiation therapy          |
| 10                    | 0DPU00Z              | Removal of Drainage Device from Omentum, Open Approach       | 99                 | Other OR gastroin          |
| 10                    | 0DPU01Z              | Removal of Radioactive Element from Omentum, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0DPU07Z              | Removal of Autol Sub from Omentum, Open Approach             | 99                 | Other OR gastroin          |
| 10                    | 0DPU0JZ              | Removal of Synthetic Substitute from Omentum, Open Approac   | 99                 | Other OR gastroin          |
| 10                    | 0DPU0KZ              | Removal of Nonaut Sub from Omentum, Open Approach            | 99                 | Other OR gastroin          |
| 10                    | 0DPU30Z              | Removal of Drainage Device from Omentum, Perc Approach       | 99                 | Other OR gastroin          |
| 10                    | 0DPU31Z              | Removal of Radioactive Element from Omentum, Perc Approach   | 99                 | Other OR gastroin          |
| 10                    | 0DPU37Z              | Removal of Autol Sub from Omentum, Perc Approach             | 99                 | Other OR gastroin          |
| 10                    | 0DPU3JZ              | Removal of Synthetic Substitute from Omentum, Perc Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DPU3KZ              | Removal of Nonaut Sub from Omentum, Perc Approach            | 99                 | Other OR gastroin          |
| 10                    | 0DPU40Z              | Removal of Drainage Device from Omentum, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DPU41Z              | Removal of Radioact Elem from Omentum, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DPU47Z              | Removal of Autol Sub from Omentum, Perc Endo Approach        | 99                 | Other OR gastroin          |
| 10                    | 0DPU4JZ              | Removal of Synth Sub from Omentum, Perc Endo Approach        | 99                 | Other OR gastroin          |
| 10                    | 0DPU4KZ              | Removal of Nonaut Sub from Omentum, Perc Endo Approach       | 99                 | Other OR gastroin          |
| 10                    | 0DPV00Z              | Removal of Drainage Device from Mesentery, Open Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPV01Z              | Removal of Radioactive Element from Mesentery, Open Appro    | 99                 | Other OR gastroin          |
| 10                    | 0DPV07Z              | Removal of Autol Sub from Mesentery, Open Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DPV0JZ              | Removal of Synth Sub from Mesentery, Open Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DPV0KZ              | Removal of Nonaut Sub from Mesentery, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPV30Z              | Removal of Drainage Device from Mesentery, Perc Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPV31Z              | Removal of Radioactive Element from Mesentery, Perc Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DPV37Z              | Removal of Autol Sub from Mesentery, Perc Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DPV3JZ              | Removal of Synth Sub from Mesentery, Perc Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DPV3KZ              | Removal of Nonaut Sub from Mesentery, Perc Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPV40Z              | Removal of Drain Dev from Mesentery, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DPV41Z              | Removal of Radioact Elem from Mesentery, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DPV47Z              | Removal of Autol Sub from Mesentery, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DPV4JZ              | Removal of Synth Sub from Mesentery, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DPV4KZ              | Removal of Nonaut Sub from Mesentery, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPW00Z              | Removal of Drainage Device from Peritoneum, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DPW01Z              | Removal of Radioact Elem from Peritoneum, Open Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DPW07Z              | Removal of Autol Sub from Peritoneum, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPW0JZ              | Removal of Synth Sub from Peritoneum, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPW0KZ              | Removal of Nonaut Sub from Peritoneum, Open Approach         | 99                 | Other OR gastroin          |
| 10                    | 0DPW30Z              | Removal of Drainage Device from Peritoneum, Perc Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DPW31Z              | Removal of Radioact Elem from Peritoneum, Perc Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DPW37Z              | Removal of Autol Sub from Peritoneum, Perc Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPW3JZ              | Removal of Synth Sub from Peritoneum, Perc Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DPW3KZ              | Removal of Nonaut Sub from Peritoneum, Perc Approach         | 99                 | Other OR gastroin          |
| 10                    | 0DPW40Z              | Removal of Drain Dev from Peritoneum, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPW41Z              | Removal of Radioact Elem from Peritoneum, Perc Endo Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DPW47Z              | Removal of Autol Sub from Peritoneum, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPW4JZ              | Removal of Synth Sub from Peritoneum, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DPW4KZ              | Removal of Nonaut Sub from Peritoneum, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0DQS0ZZ              | Repair Greater Omentum, Open Approach                        | 99                 | Other OR gastroin          |
| 10                    | 0DQS3ZZ              | Repair Greater Omentum, Percutaneous Approach                | 99                 | Other OR gastroin          |
| 10                    | 0DQS4ZZ              | Repair Greater Omentum, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin          |
| 10                    | 0DQT0ZZ              | Repair Lesser Omentum, Open Approach                         | 99                 | Other OR gastroin          |
| 10                    | 0DQT3ZZ              | Repair Lesser Omentum, Percutaneous Approach                 | 99                 | Other OR gastroin          |
| 10                    | 0DQT4ZZ              | Repair Lesser Omentum, Percutaneous Endoscopic Approach      | 99                 | Other OR gastroin          |
| 10                    | 0DQV0ZZ              | Repair Mesentery, Open Approach                              | 99                 | Other OR gastroin          |
| 10                    | 0DQV3ZZ              | Repair Mesentery, Percutaneous Approach                      | 99                 | Other OR gastroin          |
| 10                    | 0DQV4ZZ              | Repair Mesentery, Percutaneous Endoscopic Approach           | 99                 | Other OR gastroin          |
| 10                    | 0DQW0ZZ              | Repair Peritoneum, Open Approach                             | 99                 | Other OR gastroin          |
| 10                    | 0DQW3ZZ              | Repair Peritoneum, Percutaneous Approach                     | 99                 | Other OR gastroin          |
| 10                    | 0DQW4ZZ              | Repair Peritoneum, Percutaneous Endoscopic Approach          | 99                 | Other OR gastroin          |
| 10                    | 0DRS07Z              | Replacement of Greater Omentum with Autol Sub, Open Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DRS0JZ              | Replacement of Greater Omentum with Synth Sub, Open Approa   | 99                 | Other OR gastroin          |
| 10                    | 0DRS0KZ              | Replacement of Great Omentum with Nonaut Sub, Open Approac   | 99                 | Other OR gastroin          |
| 10                    | 0DRS47Z              | Replace of Great Omentum with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DRS4JZ              | Replace of Great Omentum with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DRS4KZ              | Replace of Great Omentum with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin          |
| 10                    | 0DRT07Z              | Replacement of Lesser Omentum with Autol Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DRT0JZ              | Replacement of Lesser Omentum with Synth Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0DRT0KZ              | Replacement of Lesser Omentum with Nonaut Sub, Open Approach | 99                 | Other OR gastroin          |
| 10                    | 0DRT47Z              | Replace of Less Omentum with Autol Sub, Perc Endo Approach   | 99                 | Other OR gastroin          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | ODRT4JZ              | Replace of Less Omentum with Synth Sub, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | ODRT4KZ              | Replace of Less Omentum with Nonaut Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODRV07Z              | Replacement of Mesentery with Autol Sub, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | ODRV0JZ              | Replacement of Mesentery with Synth Sub, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | ODRV0KZ              | Replacement of Mesentery with Nonaut Sub, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | ODRV47Z              | Replacement of Mesentery with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODRV4JZ              | Replacement of Mesentery with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODRV4KZ              | Replacement of Mesentery with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODRW07Z              | Replacement of Peritoneum with Autol Sub, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | ODRW0JZ              | Replacement of Peritoneum with Synth Sub, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | ODRW0KZ              | Replacement of Peritoneum with Nonaut Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | ODRW47Z              | Replacement of Peritoneum with Autol Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODRW4JZ              | Replacement of Peritoneum with Synth Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODRW4KZ              | Replace of Peritoneum with Nonaut Sub, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | ODT40ZZ              | Resection of Esophagogastric Junction, Open Approach         | 74                 | Gastroctomy; part         |
| 10                    | ODT44ZZ              | Resection of Esophagogastric Junction, Perc Endo Approach    | 74                 | Gastroctomy; part         |
| 10                    | ODT47ZZ              | Resection of Esophagogastric Junction, Via Opening           | 74                 | Gastroctomy; part         |
| 10                    | ODT48ZZ              | Resection of Esophagogastric Junction, Endo                  | 74                 | Gastroctomy; part         |
| 10                    | ODT60ZZ              | Resection of Stomach, Open Approach                          | 74                 | Gastroctomy; part         |
| 10                    | ODT64ZZ              | Resection of Stomach, Percutaneous Endoscopic Approach       | 74                 | Gastroctomy; part         |
| 10                    | ODT67ZZ              | Resection of Stomach, Via Natural or Artificial Opening      | 74                 | Gastroctomy; part         |
| 10                    | ODT68ZZ              | Resection of Stomach, Endo                                   | 74                 | Gastroctomy; part         |
| 10                    | ODT70ZZ              | Resection of Stomach, Pylorus, Open Approach                 | 74                 | Gastroctomy; part         |
| 10                    | ODT74ZZ              | Resection of Stomach, Pylorus, Perc Endo Approach            | 74                 | Gastroctomy; part         |
| 10                    | ODT77ZZ              | Resection of Stomach, Pylorus, Via Opening                   | 74                 | Gastroctomy; part         |
| 10                    | ODT78ZZ              | Resection of Stomach, Pylorus, Endo                          | 74                 | Gastroctomy; part         |
| 10                    | ODTE0ZZ              | Resection of Large Intestine, Open Approach                  | 78                 | Colorectal resect         |
| 10                    | ODTE4ZZ              | Resection of Large Intestine, Perc Endo Approach             | 78                 | Colorectal resect         |
| 10                    | ODTE7ZZ              | Resection of Large Intestine, Via Opening                    | 78                 | Colorectal resect         |
| 10                    | ODTE8ZZ              | Resection of Large Intestine, Endo                           | 78                 | Colorectal resect         |
| 10                    | ODTF0ZZ              | Resection of Right Large Intestine, Open Approach            | 78                 | Colorectal resect         |
| 10                    | ODTF4ZZ              | Resection of Right Large Intestine, Perc Endo Approach       | 78                 | Colorectal resect         |
| 10                    | ODTF7ZZ              | Resection of Right Large Intestine, Via Opening              | 78                 | Colorectal resect         |
| 10                    | ODTF8ZZ              | Resection of Right Large Intestine, Endo                     | 78                 | Colorectal resect         |
| 10                    | ODTG0ZZ              | Resection of Left Large Intestine, Open Approach             | 78                 | Colorectal resect         |
| 10                    | ODTG4ZZ              | Resection of Left Large Intestine, Perc Endo Approach        | 78                 | Colorectal resect         |
| 10                    | ODTG7ZZ              | Resection of Left Large Intestine, Via Opening               | 78                 | Colorectal resect         |
| 10                    | ODTG8ZZ              | Resection of Left Large Intestine, Endo                      | 78                 | Colorectal resect         |
| 10                    | ODTH0ZZ              | Resection of Cecum, Open Approach                            | 78                 | Colorectal resect         |
| 10                    | ODTH4ZZ              | Resection of Cecum, Percutaneous Endoscopic Approach         | 78                 | Colorectal resect         |
| 10                    | ODTH7ZZ              | Resection of Cecum, Via Natural or Artificial Opening        | 78                 | Colorectal resect         |
| 10                    | ODTH8ZZ              | Resection of Cecum, Endo                                     | 78                 | Colorectal resect         |
| 10                    | ODTK0ZZ              | Resection of Ascending Colon, Open Approach                  | 78                 | Colorectal resect         |
| 10                    | ODTK4ZZ              | Resection of Ascending Colon, Perc Endo Approach             | 78                 | Colorectal resect         |
| 10                    | ODTK7ZZ              | Resection of Ascending Colon, Via Opening                    | 78                 | Colorectal resect         |
| 10                    | ODTK8ZZ              | Resection of Ascending Colon, Endo                           | 78                 | Colorectal resect         |
| 10                    | ODTL0ZZ              | Resection of Transverse Colon, Open Approach                 | 78                 | Colorectal resect         |
| 10                    | ODTL4ZZ              | Resection of Transverse Colon, Perc Endo Approach            | 78                 | Colorectal resect         |
| 10                    | ODTL7ZZ              | Resection of Transverse Colon, Via Opening                   | 78                 | Colorectal resect         |
| 10                    | ODTL8ZZ              | Resection of Transverse Colon, Endo                          | 78                 | Colorectal resect         |
| 10                    | ODTM0ZZ              | Resection of Descending Colon, Open Approach                 | 78                 | Colorectal resect         |
| 10                    | ODTM4ZZ              | Resection of Descending Colon, Perc Endo Approach            | 78                 | Colorectal resect         |
| 10                    | ODTM7ZZ              | Resection of Descending Colon, Via Opening                   | 78                 | Colorectal resect         |
| 10                    | ODTM8ZZ              | Resection of Descending Colon, Endo                          | 78                 | Colorectal resect         |
| 10                    | ODTN0ZZ              | Resection of Sigmoid Colon, Open Approach                    | 78                 | Colorectal resect         |
| 10                    | ODTN4ZZ              | Resection of Sigmoid Colon, Percutaneous Endoscopic Approach | 78                 | Colorectal resect         |
| 10                    | ODTN7ZZ              | Resection of Sigmoid Colon, Via Opening                      | 78                 | Colorectal resect         |
| 10                    | ODTN8ZZ              | Resection of Sigmoid Colon, Endo                             | 78                 | Colorectal resect         |
| 10                    | ODTP0ZZ              | Resection of Rectum, Open Approach                           | 78                 | Colorectal resect         |
| 10                    | ODTP4ZZ              | Resection of Rectum, Percutaneous Endoscopic Approach        | 78                 | Colorectal resect         |
| 10                    | ODTP7ZZ              | Resection of Rectum, Via Natural or Artificial Opening       | 78                 | Colorectal resect         |
| 10                    | ODTP8ZZ              | Resection of Rectum, Endo                                    | 78                 | Colorectal resect         |
| 10                    | ODTS0ZZ              | Resection of Greater Omentum, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | ODTS4ZZ              | Resection of Greater Omentum, Perc Endo Approach             | 99                 | Other OR gastroin         |
| 10                    | ODTT0ZZ              | Resection of Lesser Omentum, Open Approach                   | 99                 | Other OR gastroin         |
| 10                    | ODTT4ZZ              | Resection of Lesser Omentum, Perc Endo Approach              | 99                 | Other OR gastroin         |
| 10                    | ODUS07Z              | Supplement Greater Omentum with Autol Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUS0JZ              | Supplement Greater Omentum with Synth Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUS0KZ              | Supplement Greater Omentum with Nonaut Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | ODUS47Z              | Supplement Great Omentum with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODUS4JZ              | Supplement Great Omentum with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODUS4KZ              | Supplement Great Omentum with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODUT07Z              | Supplement Lesser Omentum with Autol Sub, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | ODUT0JZ              | Supplement Lesser Omentum with Synth Sub, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | ODUT0KZ              | Supplement Lesser Omentum with Nonaut Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUT47Z              | Supplement Lesser Omentum with Autol Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODUT4JZ              | Supplement Lesser Omentum with Synth Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | ODUT4KZ              | Supplement Less Omentum with Nonaut Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | ODUV07Z              | Supplement Mesentery with Autol Sub, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | ODUV0JZ              | Supplement Mesentery with Synth Sub, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | ODUV0KZ              | Supplement Mesentery with Nonaut Sub, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | ODUV47Z              | Supplement Mesentery with Autol Sub, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | ODUV4JZ              | Supplement Mesentery with Synth Sub, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | ODUV4KZ              | Supplement Mesentery with Nonaut Sub, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUW07Z              | Supplement Peritoneum with Autol Sub, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | ODUW0JZ              | Supplement Peritoneum with Synth Sub, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | ODUW0KZ              | Supplement Peritoneum with Nonaut Sub, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | ODUW47Z              | Supplement Peritoneum with Autol Sub, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUW4JZ              | Supplement Peritoneum with Synth Sub, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | ODUW4KZ              | Supplement Peritoneum with Nonaut Sub, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | ODWU07Z              | Revision of Autol Sub in Omentum, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | ODWU0JZ              | Revision of Synthetic Substitute in Omentum, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | ODWU0KZ              | Revision of Nonaut Sub in Omentum, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | ODWU37Z              | Revision of Autol Sub in Omentum, Perc Approach              | 99                 | Other OR gastroin         |
| 10                    | ODWU3JZ              | Revision of Synthetic Substitute in Omentum, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | ODWU3KZ              | Revision of Nonaut Sub in Omentum, Perc Approach             | 99                 | Other OR gastroin         |
| 10                    | ODWU47Z              | Revision of Autol Sub in Omentum, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | ODWU4JZ              | Revision of Synth Sub in Omentum, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | ODWU4KZ              | Revision of Nonaut Sub in Omentum, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | ODWV07Z              | Revision of Autol Sub in Mesentery, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | ODWV0JZ              | Revision of Synthetic Substitute in Mesentery, Open Approach | 99                 | Other OR gastroin         |
| 10                    | ODWV0KZ              | Revision of Nonaut Sub in Mesentery, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | ODWV37Z              | Revision of Autol Sub in Mesentery, Perc Approach            | 99                 | Other OR gastroin         |
| 10                    | ODWV3JZ              | Revision of Synthetic Substitute in Mesentery, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | ODWV3KZ              | Revision of Nonaut Sub in Mesentery, Perc Approach           | 99                 | Other OR gastroin         |
| 10                    | ODWV47Z              | Revision of Autol Sub in Mesentery, Perc Endo Approach       | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0DWV4JZ              | Revision of Synth Sub in Mesentery, Perc Endo Approach       | 99                 | Other OR gastroin         |
| 10                    | 0DWV4KZ              | Revision of Nonaub Sub in Mesentery, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0DWV07Z              | Revision of Autol Sub in Peritoneum, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0DWV0JZ              | Revision of Synth Sub in Peritoneum, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0DWV0KZ              | Revision of Nonaub Sub in Peritoneum, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0DWV37Z              | Revision of Autol Sub in Peritoneum, Perc Approach           | 99                 | Other OR gastroin         |
| 10                    | 0DWV3JZ              | Revision of Synth Sub in Peritoneum, Perc Approach           | 99                 | Other OR gastroin         |
| 10                    | 0DWV3KZ              | Revision of Nonaub Sub in Peritoneum, Perc Approach          | 99                 | Other OR gastroin         |
| 10                    | 0DWV47Z              | Revision of Autol Sub in Peritoneum, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0DWV4JZ              | Revision of Synth Sub in Peritoneum, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0DWV4KZ              | Revision of Nonaub Sub in Peritoneum, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0DX60Z5              | Transfer Stomach to Esophagus, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0DX64Z5              | Transfer Stomach to Esophagus, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0DX80Z5              | Transfer Small Intestine to Esophagus, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0DX84Z5              | Transfer Small Intestine to Esophagus, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0DXE0Z5              | Transfer Large Intestine to Esophagus, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0DXE4Z5              | Transfer Large Intestine to Esophagus, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0DY50Z0              | Transplantation of Esophagus, Allogeneic, Open Approach      | 176                | Organ transplanta         |
| 10                    | 0DY50Z1              | Transplantation of Esophagus, Syngeneic, Open Approach       | 176                | Organ transplanta         |
| 10                    | 0DY50Z2              | Transplantation of Esophagus, Zooplastic, Open Approach      | 176                | Organ transplanta         |
| 10                    | 0DY60Z0              | Transplantation of Stomach, Allogeneic, Open Approach        | 176                | Organ transplanta         |
| 10                    | 0DY60Z1              | Transplantation of Stomach, Syngeneic, Open Approach         | 176                | Organ transplanta         |
| 10                    | 0DY60Z2              | Transplantation of Stomach, Zooplastic, Open Approach        | 176                | Organ transplanta         |
| 10                    | 0DY80Z0              | Transplantation of Small Intestine, Allogen, Open Approach   | 176                | Organ transplanta         |
| 10                    | 0DY80Z1              | Transplantation of Small Intestine, Syngeneic, Open Approa   | 176                | Organ transplanta         |
| 10                    | 0DY80Z2              | Transplantation of Small Intestine, Zooplast, Open Approach  | 176                | Organ transplanta         |
| 10                    | 0DYE0Z0              | Transplantation of Large Intestine, Allogen, Open Approach   | 176                | Organ transplanta         |
| 10                    | 0DYE0Z1              | Transplantation of Large Intestine, Syngeneic, Open Approach | 176                | Organ transplanta         |
| 10                    | 0DYE0Z2              | Transplantation of Large Intestine, Zooplast, Open Approach  | 176                | Organ transplanta         |
| 10                    | 0F140D3              | Bypass Gallbladder to Duoden w Intralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | 0F140D4              | Bypass Gallbladder to Stomach w Intralum Dev, Open           | 99                 | Other OR gastroin         |
| 10                    | 0F140D5              | Bypass Gallbladder to R Hep Duc w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F140D6              | Bypass Gallbladder to L Hep Duc w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F140D7              | Bypass Gallbladder to Caud Duct w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F140D8              | Bypass Gallbladder to Cyst Duct w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F140D9              | Bypass Gallbladder to CBD with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F140DB              | Bypass Gallbladder to Sm Int w Intralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | 0F140Z3              | Bypass Gallbladder to Duodenum, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F140Z4              | Bypass Gallbladder to Stomach, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F140Z5              | Bypass Gallbladder to Right Hepatic Duct, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F140Z6              | Bypass Gallbladder to Left Hepatic Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0F140Z7              | Bypass Gallbladder to Caudate Hepatic Duct, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F140Z8              | Bypass Gallbladder to Cystic Duct, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F140Z9              | Bypass Gallbladder to Common Bile Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F140ZB              | Bypass Gallbladder to Small Intestine, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F144D3              | Bypass Gallbladder to Duoden w Intralum Dev, Perc Endo       | 99                 | Other OR gastroin         |
| 10                    | 0F144D4              | Bypass Gallbladder to Stomach w Intralum Dev, Perc Endo      | 99                 | Other OR gastroin         |
| 10                    | 0F144D5              | Bypass Gallbladder to R Hep Duc w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F144D6              | Bypass Gallbladder to L Hep Duc w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F144D7              | Bypass Gallbladder to Caud Duct w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F144D8              | Bypass Gallbladder to Cyst Duct w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F144D9              | Bypass Gallbladder to CBD w Intralum Dev, Perc Endo          | 99                 | Other OR gastroin         |
| 10                    | 0F144DB              | Bypass Gallbladder to Sm Int w Intralum Dev, Perc Endo       | 99                 | Other OR gastroin         |
| 10                    | 0F144Z3              | Bypass Gallbladder to Duodenum, Perc Endo Approach           | 99                 | Other OR gastroin         |
| 10                    | 0F144Z4              | Bypass Gallbladder to Stomach, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0F144Z5              | Bypass Gallbladder to Right Hepatic Duct, Perc Endo Approa   | 99                 | Other OR gastroin         |
| 10                    | 0F144Z6              | Bypass Gallbladder to Left Hepatic Duct, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F144Z7              | Bypass Gallbladder to Caud Duct, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F144Z8              | Bypass Gallbladder to Cystic Duct, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F144Z9              | Bypass Gallbladder to Common Bile Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F144ZB              | Bypass Gallbladder to Small Intestine, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F150D3              | Bypass R Hepatic Duct to Duoden w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F150D4              | Bypass R Hepatic Duct to Stomach w Intralum Dev, Open        | 99                 | Other OR gastroin         |
| 10                    | 0F150D5              | Bypass R Hepatic Duct to R Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F150D6              | Bypass R Hepatic Duct to L Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F150D7              | Bypass R Hepatic Duct to Caud Duct w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F150D8              | Bypass R Hepatic Duct to Cyst Duct w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F150D9              | Bypass R Hepatic Duct to CBD w Intralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | 0F150DB              | Bypass R Hepatic Duct to Sm Int w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F150Z3              | Bypass Right Hepatic Duct to Duodenum, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F150Z4              | Bypass Right Hepatic Duct to Stomach, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F150Z5              | Bypass Right Hepatic Duct to R Hep Duc, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F150Z6              | Bypass Right Hepatic Duct to L Hep Duc, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F150Z7              | Bypass Right Hepatic Duct to Caud Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F150Z8              | Bypass Right Hepatic Duct to Cystic Duct, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F150Z9              | Bypass Right Hepatic Duct to Common Bile Duct, Open Approa   | 99                 | Other OR gastroin         |
| 10                    | 0F150ZB              | Bypass Right Hepatic Duct to Small Intestine, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F154D3              | Bypass R Hepatic Duct to Duoden w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F154D4              | Bypass R Hepatic Duct to Stomach w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin         |
| 10                    | 0F154D5              | Bypass R Hepatic Duct to R Hep Duc w Intralum Dev, Perc En   | 99                 | Other OR gastroin         |
| 10                    | 0F154D6              | Bypass R Hepatic Duct to L Hep Duc w Intralum Dev, Perc En   | 99                 | Other OR gastroin         |
| 10                    | 0F154D7              | Bypass R Hepatic Duct to Caud Duct w Intralum Dev, Perc En   | 99                 | Other OR gastroin         |
| 10                    | 0F154D8              | Bypass R Hepatic Duct to Cyst Duct w Intralum Dev, Perc En   | 99                 | Other OR gastroin         |
| 10                    | 0F154D9              | Bypass R Hepatic Duct to CBD w Intralum Dev, Perc Endo       | 99                 | Other OR gastroin         |
| 10                    | 0F154DB              | Bypass R Hepatic Duct to Sm Int w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin         |
| 10                    | 0F154Z3              | Bypass Right Hepatic Duct to Duodenum, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F154Z4              | Bypass Right Hepatic Duct to Stomach, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F154Z5              | Bypass Right Hepatic Duct to R Hep Duc, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F154Z6              | Bypass Right Hepatic Duct to L Hep Duc, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F154Z7              | Bypass Right Hepatic Duct to Caud Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F154Z8              | Bypass Right Hepatic Duct to Cystic Duct, Perc Endo Approa   | 99                 | Other OR gastroin         |
| 10                    | 0F154Z9              | Bypass Right Hepatic Duct to CBD, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F154ZB              | Bypass Right Hepatic Duct to Sm Int, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F160D3              | Bypass L Hepatic Duct to Duoden w Intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F160D4              | Bypass L Hepatic Duct to Stomach w Intralum Dev, Open        | 99                 | Other OR gastroin         |
| 10                    | 0F160D5              | Bypass L Hepatic Duct to R Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F160D6              | Bypass L Hepatic Duct to L Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F160D7              | Bypass L Hepatic Duct to Caud Duct w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F160D8              | Bypass L Hepatic Duct to Cyst Duct w Intralum Dev, Open      | 99                 | Other OR gastroin         |
| 10                    | 0F160D9              | Bypass L Hepatic Duct to CBD w Intralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | 0F160DB              | Bypass L Hepatic Duct to Sm Int w intralum Dev, Open         | 99                 | Other OR gastroin         |
| 10                    | 0F160Z3              | Bypass Left Hepatic Duct to Duodenum, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F160Z4              | Bypass Left Hepatic Duct to Stomach, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0F160Z5              | Bypass Left Hepatic Duct to R Hep Duc, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F160Z6              | Bypass Left Hepatic Duct to Left Hepatic Duct, Open Approa   | 99                 | Other OR gastroin         |
| 10                    | 0F160Z7              | Bypass Left Hepatic Duct to Caud Duct, Open Approach         | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0F16028              | Bypass Left Hepatic Duct to Cystic Duct, Open Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F16029              | Bypass Left Hepatic Duct to Common Bile Duct, Open Approach | 99                 | Other OR gastroin          |
| 10                    | 0F16028              | Bypass Left Hepatic Duct to Small Intestine, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0F164D3              | Bypass L Hepatic Duct to Duoden w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F164D4              | Bypass L Hepatic Duct to Stomach w Intralum Dev, Perc Endo  | 99                 | Other OR gastroin          |
| 10                    | 0F164D5              | Bypass L Hepatic Duct to R Hep Duc w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F164D6              | Bypass L Hepatic Duct to L Hep Duc w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F164D7              | Bypass L Hepatic Duct to Caud Duct w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F164D8              | Bypass L Hepatic Duct to Cyst Duct w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F164D9              | Bypass L Hepatic Duct to CBD w Intralum Dev, Perc Endo      | 99                 | Other OR gastroin          |
| 10                    | 0F164DB              | Bypass L Hepatic Duct to Sm Int w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F164Z3              | Bypass Left Hepatic Duct to Duodenum, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F164Z4              | Bypass Left Hepatic Duct to Stomach, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0F164Z5              | Bypass Left Hepatic Duct to R Hep Duc, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F164Z6              | Bypass Left Hepatic Duct to L Hep Duc, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F164Z7              | Bypass Left Hepatic Duct to Caud Duct, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F164Z8              | Bypass Left Hepatic Duct to Cystic Duct, Perc Endo Approach | 99                 | Other OR gastroin          |
| 10                    | 0F164Z9              | Bypass Left Hepatic Duct to CBD, Perc Endo Approach         | 99                 | Other OR gastroin          |
| 10                    | 0F164ZB              | Bypass Left Hepatic Duct to Sm Int, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F180D3              | Bypass Cystic Duct to Duoden w Intralum Dev, Open           | 99                 | Other OR gastroin          |
| 10                    | 0F180D4              | Bypass Cystic Duct to Stomach w Intralum Dev, Open          | 99                 | Other OR gastroin          |
| 10                    | 0F180D5              | Bypass Cystic Duct to R Hep Duc w Intralum Dev, Open        | 99                 | Other OR gastroin          |
| 10                    | 0F180D6              | Bypass Cystic Duct to L Hep Duc w Intralum Dev, Open        | 99                 | Other OR gastroin          |
| 10                    | 0F180D7              | Bypass Cystic Duct to Caud Duct w Intralum Dev, Open        | 99                 | Other OR gastroin          |
| 10                    | 0F180D8              | Bypass Cystic Duct to Cyst Duct w Intralum Dev, Open        | 99                 | Other OR gastroin          |
| 10                    | 0F180D9              | Bypass Cystic Duct to CBD with Intralum Dev, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0F180DB              | Bypass Cystic Duct to Sm Int w Intralum Dev, Open           | 99                 | Other OR gastroin          |
| 10                    | 0F180Z3              | Bypass Cystic Duct to Duodenum, Open Approach               | 99                 | Other OR gastroin          |
| 10                    | 0F180Z4              | Bypass Cystic Duct to Stomach, Open Approach                | 99                 | Other OR gastroin          |
| 10                    | 0F180Z5              | Bypass Cystic Duct to Right Hepatic Duct, Open Approach     | 99                 | Other OR gastroin          |
| 10                    | 0F180Z6              | Bypass Cystic Duct to Left Hepatic Duct, Open Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F180Z7              | Bypass Cystic Duct to Caudate Hepatic Duct, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F180Z8              | Bypass Cystic Duct to Cystic Duct, Open Approach            | 99                 | Other OR gastroin          |
| 10                    | 0F180Z9              | Bypass Cystic Duct to Common Bile Duct, Open Approach       | 99                 | Other OR gastroin          |
| 10                    | 0F180ZB              | Bypass Cystic Duct to Small Intestine, Open Approach        | 99                 | Other OR gastroin          |
| 10                    | 0F184D3              | Bypass Cystic Duct to Duoden w Intralum Dev, Perc Endo      | 99                 | Other OR gastroin          |
| 10                    | 0F184D4              | Bypass Cystic Duct to Stomach w Intralum Dev, Perc Endo     | 99                 | Other OR gastroin          |
| 10                    | 0F184D5              | Bypass Cystic Duct to R Hep Duc w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F184D6              | Bypass Cystic Duct to L Hep Duc w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F184D7              | Bypass Cystic Duct to Caud Duct w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F184D8              | Bypass Cystic Duct to Cyst Duct w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F184D9              | Bypass Cystic Duct to CBD w Intralum Dev, Perc Endo         | 99                 | Other OR gastroin          |
| 10                    | 0F184DB              | Bypass Cystic Duct to Sm Int w Intralum Dev, Perc Endo      | 99                 | Other OR gastroin          |
| 10                    | 0F184Z3              | Bypass Cystic Duct to Duodenum, Perc Endo Approach          | 99                 | Other OR gastroin          |
| 10                    | 0F184Z4              | Bypass Cystic Duct to Stomach, Perc Endo Approach           | 99                 | Other OR gastroin          |
| 10                    | 0F184Z5              | Bypass Cystic Duct to Right Hepatic Duct, Perc Endo Appoa   | 99                 | Other OR gastroin          |
| 10                    | 0F184Z6              | Bypass Cystic Duct to Left Hepatic Duct, Perc Endo Approach | 99                 | Other OR gastroin          |
| 10                    | 0F184Z7              | Bypass Cystic Duct to Caud Duct, Perc Endo Approach         | 99                 | Other OR gastroin          |
| 10                    | 0F184Z8              | Bypass Cystic Duct to Cystic Duct, Perc Endo Approach       | 99                 | Other OR gastroin          |
| 10                    | 0F184Z9              | Bypass Cystic Duct to Common Bile Duct, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0F184ZB              | Bypass Cystic Duct to Small Intestine, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F190D3              | Bypass Com Bile Duct to Duoden w Intralum Dev, Open         | 99                 | Other OR gastroin          |
| 10                    | 0F190D4              | Bypass Com Bile Duct to Stomach w Intralum Dev, Open        | 99                 | Other OR gastroin          |
| 10                    | 0F190D5              | Bypass Com Bile Duct to R Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin          |
| 10                    | 0F190D6              | Bypass Com Bile Duct to L Hep Duc w Intralum Dev, Open      | 99                 | Other OR gastroin          |
| 10                    | 0F190D7              | Bypass Com Bile Duct to Caud Duct w Intralum Dev, Open      | 99                 | Other OR gastroin          |
| 10                    | 0F190D8              | Bypass Com Bile Duct to Cyst Duct w Intralum Dev, Open      | 99                 | Other OR gastroin          |
| 10                    | 0F190D9              | Bypass Com Bile Duct to CBD with Intralum Dev, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0F190DB              | Bypass Com Bile Duct to Sm Int w Intralum Dev, Open         | 99                 | Other OR gastroin          |
| 10                    | 0F190Z3              | Bypass Common Bile Duct to Duodenum, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0F190Z4              | Bypass Common Bile Duct to Stomach, Open Approach           | 99                 | Other OR gastroin          |
| 10                    | 0F190Z5              | Bypass Common Bile Duct to Right Hepatic Duct, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0F190Z6              | Bypass Common Bile Duct to Left Hepatic Duct, Open Approach | 99                 | Other OR gastroin          |
| 10                    | 0F190Z7              | Bypass Common Bile Duct to Caud Duct, Open Approach         | 99                 | Other OR gastroin          |
| 10                    | 0F190Z8              | Bypass Common Bile Duct to Cystic Duct, Open Approach       | 99                 | Other OR gastroin          |
| 10                    | 0F190Z9              | Bypass Common Bile Duct to Common Bile Duct, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0F190ZB              | Bypass Common Bile Duct to Small Intestine, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F194D3              | Bypass Com Bile Duct to Duoden w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin          |
| 10                    | 0F194D4              | Bypass Com Bile Duct to Stomach w Intralum Dev, Perc Endo   | 99                 | Other OR gastroin          |
| 10                    | 0F194D5              | Bypass Com Bile Duct to R Hep Duc w Intralum Dev, Perc End  | 99                 | Other OR gastroin          |
| 10                    | 0F194D6              | Bypass Com Bile Duct to L Hep Duc w Intralum Dev, Perc End  | 99                 | Other OR gastroin          |
| 10                    | 0F194D7              | Bypass Com Bile Duct to Caud Duct w Intralum Dev, Perc End  | 99                 | Other OR gastroin          |
| 10                    | 0F194D8              | Bypass Com Bile Duct to Cyst Duct w Intralum Dev, Perc End  | 99                 | Other OR gastroin          |
| 10                    | 0F194D9              | Bypass Com Bile Duct to CBD w Intralum Dev, Perc Endo       | 99                 | Other OR gastroin          |
| 10                    | 0F194DB              | Bypass Com Bile Duct to Sm Int w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin          |
| 10                    | 0F194Z3              | Bypass Common Bile Duct to Duodenum, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0F194Z4              | Bypass Common Bile Duct to Stomach, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F194Z5              | Bypass Common Bile Duct to R Hep Duc, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F194Z6              | Bypass Common Bile Duct to L Hep Duc, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F194Z7              | Bypass Common Bile Duct to Caud Duct, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F194Z8              | Bypass Common Bile Duct to Cystic Duct, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0F194Z9              | Bypass Common Bile Duct to CBD, Perc Endo Approach          | 99                 | Other OR gastroin          |
| 10                    | 0F194ZB              | Bypass Common Bile Duct to Sm Int, Perc Endo Approach       | 99                 | Other OR gastroin          |
| 10                    | 0F1D0D3              | Bypass Pancreat Duct to Duoden w Intralum Dev, Open         | 99                 | Other OR gastroin          |
| 10                    | 0F1D0DB              | Bypass Pancreat Duct to Sm Int w Intralum Dev, Open         | 99                 | Other OR gastroin          |
| 10                    | 0F1D0DC              | Bypass Pancreat Duct to Lg Int w Intralum Dev, Open         | 99                 | Other OR gastroin          |
| 10                    | 0F1D0Z3              | Bypass Pancreatic Duct to Duodenum, Open Approach           | 99                 | Other OR gastroin          |
| 10                    | 0F1D0ZB              | Bypass Pancreatic Duct to Small Intestine, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F1D0ZC              | Bypass Pancreatic Duct to Large Intestine, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0F1D4D3              | Bypass Pancreat Duct to Duoden w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin          |
| 10                    | 0F1D4DB              | Bypass Pancreat Duct to Sm Int w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin          |
| 10                    | 0F1D4DC              | Bypass Pancreat Duct to Lg Int w Intralum Dev, Perc Endo    | 99                 | Other OR gastroin          |
| 10                    | 0F1D4Z3              | Bypass Pancreatic Duct to Duodenum, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F1D4ZB              | Bypass Pancreatic Duct to Sm Int, Perc Endo Approach        | 99                 | Other OR gastroin          |
| 10                    | 0F1D4ZC              | Bypass Pancreatic Duct to Lg Int, Perc Endo Approach        | 99                 | Other OR gastroin          |
| 10                    | 0F1F0D3              | Bypass Access Pancr Duct to Duoden w Intralum Dev, Open     | 99                 | Other OR gastroin          |
| 10                    | 0F1F0DB              | Bypass Access Pancr Duct to Sm Int w Intralum Dev, Open     | 99                 | Other OR gastroin          |
| 10                    | 0F1F0DC              | Bypass Access Pancr Duct to Lg Int w Intralum Dev, Open     | 99                 | Other OR gastroin          |
| 10                    | 0F1F0Z3              | Bypass Accessory Pancreatic Duct to Duodenum, Open Approach | 99                 | Other OR gastroin          |
| 10                    | 0F1F0ZB              | Bypass Accessory Pancreatic Duct to Sm Int, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F1F0ZC              | Bypass Accessory Pancreatic Duct to Lg Int, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0F1F4D3              | Bypass Access Pancr Duct to Duoden w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F1F4DB              | Bypass Access Pancr Duct to Sm Int w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F1F4DC              | Bypass Access Pancr Duct to Lg Int w Intralum Dev, Perc En  | 99                 | Other OR gastroin          |
| 10                    | 0F1F4Z3              | Bypass Access Pancr Duct to Duoden, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0F1F4ZB              | Bypass Access Pancr Duct to Sm Int, Perc Endo Approach      | 99                 | Other OR gastroin          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0F1F4ZC              | Bypass Access Pancr Duct to Lg Int, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F1G0D3              | Bypass Pancreas to Duodenum with Intralum Dev, Open Approa | 99                 | Other OR gastroin         |
| 10                    | 0F1G0DB              | Bypass Pancreas to Sm Int with Intralum Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F1G0DC              | Bypass Pancreas to Lg Int with Intralum Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F1G0Z3              | Bypass Pancreas to Duodenum, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F1G0ZB              | Bypass Pancreas to Small Intestine, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F1G0ZC              | Bypass Pancreas to Large Intestine, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F1G4D3              | Bypass Pancreas to Duoden w Intralum Dev, Perc Endo        | 99                 | Other OR gastroin         |
| 10                    | 0F1G4DB              | Bypass Pancreas to Sm Int w Intralum Dev, Perc Endo        | 99                 | Other OR gastroin         |
| 10                    | 0F1G4DC              | Bypass Pancreas to Lg Int w Intralum Dev, Perc Endo        | 99                 | Other OR gastroin         |
| 10                    | 0F1G4Z3              | Bypass Pancreas to Duodenum, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0F1G4ZB              | Bypass Pancreas to Small Intestine, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F1G4ZC              | Bypass Pancreas to Large Intestine, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F500ZZ              | Destruction of Liver, Open Approach                        | 99                 | Other OR gastroin         |
| 10                    | 0F503ZZ              | Destruction of Liver, Percutaneous Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F504ZZ              | Destruction of Liver, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F510ZZ              | Destruction of Right Lobe Liver, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F513ZZ              | Destruction of Right Lobe Liver, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F514ZZ              | Destruction of Right Lobe Liver, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F520ZZ              | Destruction of Left Lobe Liver, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0F523ZZ              | Destruction of Left Lobe Liver, Percutaneous Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F524ZZ              | Destruction of Left Lobe Liver, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F540ZZ              | Destruction of Gallbladder, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0F543ZZ              | Destruction of Gallbladder, Percutaneous Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F544ZZ              | Destruction of Gallbladder, Percutaneous Endoscopic Approa | 99                 | Other OR gastroin         |
| 10                    | 0F550ZZ              | Destruction of Right Hepatic Duct, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0F553ZZ              | Destruction of Right Hepatic Duct, Percutaneous Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F557ZZ              | Destruction of Right Hepatic Duct, Via Opening             | 99                 | Other OR gastroin         |
| 10                    | 0F560ZZ              | Destruction of Left Hepatic Duct, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | 0F563ZZ              | Destruction of Left Hepatic Duct, Percutaneous Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F567ZZ              | Destruction of Left Hepatic Duct, Via Opening              | 99                 | Other OR gastroin         |
| 10                    | 0F580ZZ              | Destruction of Cystic Duct, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0F583ZZ              | Destruction of Cystic Duct, Percutaneous Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F587ZZ              | Destruction of Cystic Duct, Via Opening                    | 99                 | Other OR gastroin         |
| 10                    | 0F590ZZ              | Destruction of Common Bile Duct, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F593ZZ              | Destruction of Common Bile Duct, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F597ZZ              | Destruction of Common Bile Duct, Via Opening               | 99                 | Other OR gastroin         |
| 10                    | 0F5C0ZZ              | Destruction of Ampulla of Vater, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F5C3ZZ              | Destruction of Ampulla of Vater, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F5C7ZZ              | Destruction of Ampulla of Vater, Via Opening               | 99                 | Other OR gastroin         |
| 10                    | 0F5D0ZZ              | Destruction of Pancreatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0F5D3ZZ              | Destruction of Pancreatic Duct, Percutaneous Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F5D7ZZ              | Destruction of Pancreatic Duct, Via Opening                | 99                 | Other OR gastroin         |
| 10                    | 0F5F0ZZ              | Destruction of Accessory Pancreatic Duct, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F5F3ZZ              | Destruction of Accessory Pancreatic Duct, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F5F7ZZ              | Destruction of Accessory Pancreatic Duct, Via Opening      | 99                 | Other OR gastroin         |
| 10                    | 0F5G0ZZ              | Destruction of Pancreas, Open Approach                     | 99                 | Other OR gastroin         |
| 10                    | 0F5G3ZZ              | Destruction of Pancreas, Percutaneous Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F750DZ              | Dilation of R Hepatic Duct with Intralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | 0F750ZZ              | Dilation of Right Hepatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0F757ZZ              | Dilation of Right Hepatic Duct, Via Opening                | 99                 | Other OR gastroin         |
| 10                    | 0F760DZ              | Dilation of L Hepatic Duct with Intralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | 0F760ZZ              | Dilation of Left Hepatic Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0F767ZZ              | Dilation of Left Hepatic Duct, Via Opening                 | 99                 | Other OR gastroin         |
| 10                    | 0F780DZ              | Dilation of Cystic Duct with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F780ZZ              | Dilation of Cystic Duct, Open Approach                     | 99                 | Other OR gastroin         |
| 10                    | 0F787ZZ              | Dilation of Cystic Duct, Via Natural or Artificial Opening | 99                 | Other OR gastroin         |
| 10                    | 0F790DZ              | Dilation of Com Bile Duct with Intralum Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F790ZZ              | Dilation of Common Bile Duct, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F797ZZ              | Dilation of Common Bile Duct, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | 0F7C0DZ              | Dilation of Ampulla Vater with Intralum Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F7C0ZZ              | Dilation of Ampulla of Vater, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F7C3DZ              | Dilation of Ampulla Vater with Intralum Dev, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0F7C3ZZ              | Dilation of Ampulla of Vater, Percutaneous Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F7C4DZ              | Dilate Ampulla Vater w Intralum Dev, Perc Endo             | 99                 | Other OR gastroin         |
| 10                    | 0F7C4ZZ              | Dilation of Ampulla of Vater, Perc Endo Approach           | 99                 | Other OR gastroin         |
| 10                    | 0F7C7DZ              | Dilation of Ampulla of Vater with Intralum Dev, Via Openin | 99                 | Other OR gastroin         |
| 10                    | 0F7C7ZZ              | Dilation of Ampulla of Vater, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | 0F7D0DZ              | Dilation of Pancreatic Duct with Intralum Dev, Open Approa | 99                 | Other OR gastroin         |
| 10                    | 0F7D0ZZ              | Dilation of Pancreatic Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F7D3DZ              | Dilation of Pancreatic Duct with Intralum Dev, Perc Approa | 99                 | Other OR gastroin         |
| 10                    | 0F7D3ZZ              | Dilation of Pancreatic Duct, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F7D7ZZ              | Dilation of Pancreatic Duct, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0F7F0DZ              | Dilate of Access Pancr Duct with Intralum Dev, Open Approa | 99                 | Other OR gastroin         |
| 10                    | 0F7F0ZZ              | Dilation of Accessory Pancreatic Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0F7F3DZ              | Dilate of Access Pancr Duct with Intralum Dev, Perc Approa | 99                 | Other OR gastroin         |
| 10                    | 0F7F3ZZ              | Dilation of Accessory Pancreatic Duct, Percutaneous Approa | 99                 | Other OR gastroin         |
| 10                    | 0F7F7DZ              | Dilation of Access Pancr Duct with Intralum Dev, Via Openi | 99                 | Other OR gastroin         |
| 10                    | 0F7F7ZZ              | Dilation of Accessory Pancreatic Duct, Via Opening         | 99                 | Other OR gastroin         |
| 10                    | 0F8G0ZZ              | Division of Pancreas, Open Approach                        | 99                 | Other OR gastroin         |
| 10                    | 0F8G3ZZ              | Division of Pancreas, Percutaneous Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F8G4ZZ              | Division of Pancreas, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F9000Z              | Drainage of Liver with Drainage Device, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F900ZZ              | Drainage of Liver, Open Approach                           | 99                 | Other OR gastroin         |
| 10                    | 0F9100Z              | Drainage of Right Lobe Liver with Drain Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F910ZZ              | Drainage of Right Lobe Liver, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F9200Z              | Drainage of Left Lobe Liver with Drain Dev, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F920ZZ              | Drainage of Left Lobe Liver, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F9400Z              | Drainage of Gallbladder with Drainage Device, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | 0F940ZZ              | Drainage of Gallbladder, Open Approach                     | 99                 | Other OR gastroin         |
| 10                    | 0F9500Z              | Drainage of Right Hepatic Duct with Drain Dev, Open Approa | 99                 | Other OR gastroin         |
| 10                    | 0F950ZZ              | Drainage of Right Hepatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0F9540Z              | Drain of R Hepatic Duct with Drain Dev, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0F954ZZ              | Drainage of Right Hepatic Duct, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F9570Z              | Drainage of Right Hepatic Duct with Drain Dev, Via Opening | 99                 | Other OR gastroin         |
| 10                    | 0F957ZZ              | Drainage of Right Hepatic Duct, Via Opening                | 99                 | Other OR gastroin         |
| 10                    | 0F9580Z              | Drainage of Right Hepatic Duct with Drainage Device, Endo  | 99                 | Other OR gastroin         |
| 10                    | 0F958ZZ              | Drainage of Right Hepatic Duct, Endo                       | 99                 | Other OR gastroin         |
| 10                    | 0F9600Z              | Drainage of Left Hepatic Duct with Drain Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | 0F960ZZ              | Drainage of Left Hepatic Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0F9640Z              | Drain of L Hepatic Duct with Drain Dev, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0F964ZZ              | Drainage of Left Hepatic Duct, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F9670Z              | Drainage of Left Hepatic Duct with Drain Dev, Via Opening  | 99                 | Other OR gastroin         |
| 10                    | 0F967ZZ              | Drainage of Left Hepatic Duct, Via Opening                 | 99                 | Other OR gastroin         |
| 10                    | 0F9680Z              | Drainage of Left Hepatic Duct with Drainage Device, Endo   | 99                 | Other OR gastroin         |
| 10                    | 0F968ZZ              | Drainage of Left Hepatic Duct, Endo                        | 99                 | Other OR gastroin         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0F9800Z              | Drainage of Cystic Duct with Drainage Device, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F9802Z              | Drainage of Cystic Duct, Open Approach                      | 99                 | Other OR gastroin         |
| 10                    | 0F9840Z              | Drainage of Cystic Duct with Drain Dev, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F9842Z              | Drainage of Cystic Duct, Percutaneous Endoscopic Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F9870Z              | Drainage of Cystic Duct with Drainage Device, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | 0F9872Z              | Drainage of Cystic Duct, Via Natural or Artificial Opening  | 99                 | Other OR gastroin         |
| 10                    | 0F9880Z              | Drainage of Cystic Duct with Drainage Device, Endo          | 99                 | Other OR gastroin         |
| 10                    | 0F9882Z              | Drainage of Cystic Duct, Endo                               | 99                 | Other OR gastroin         |
| 10                    | 0F9900Z              | Drainage of Common Bile Duct with Drain Dev, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F9902Z              | Drainage of Common Bile Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F9940Z              | Drainage of Com Bile Duct with Drain Dev, Perc Endo Appoa   | 99                 | Other OR gastroin         |
| 10                    | 0F9970Z              | Drainage of Common Bile Duct with Drain Dev, Via Opening    | 99                 | Other OR gastroin         |
| 10                    | 0F9C00Z              | Drainage of Ampulla of Vater with Drain Dev, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0F9C02Z              | Drainage of Ampulla of Vater, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F9C70Z              | Drainage of Ampulla of Vater with Drain Dev, Via Opening    | 99                 | Other OR gastroin         |
| 10                    | 0F9C72Z              | Drainage of Ampulla of Vater, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0F9D00Z              | Drainage of Pancreatic Duct with Drain Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F9D02Z              | Drainage of Pancreatic Duct, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0F9D40Z              | Drainage of Pancreat Duct with Drain Dev, Perc Endo Appoa   | 99                 | Other OR gastroin         |
| 10                    | 0F9D42Z              | Drainage of Pancreatic Duct, Perc Endo Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F9D70Z              | Drainage of Pancreatic Duct with Drain Dev, Via Opening     | 99                 | Other OR gastroin         |
| 10                    | 0F9D72Z              | Drainage of Pancreatic Duct, Via Opening                    | 99                 | Other OR gastroin         |
| 10                    | 0F9D82Z              | Drainage of Pancreatic Duct, Endo                           | 99                 | Other OR gastroin         |
| 10                    | 0F9F00Z              | Drainage of Access Pancr Duct with Drain Dev, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0F9F02Z              | Drainage of Accessory Pancreatic Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F9F40Z              | Drain Access Pancr Duct w Drain Dev, Perc Endo              | 99                 | Other OR gastroin         |
| 10                    | 0F9F42Z              | Drainage of Accessory Pancreatic Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0F9F70Z              | Drainage of Access Pancr Duct with Drain Dev, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | 0F9F72Z              | Drainage of Accessory Pancreatic Duct, Via Opening          | 99                 | Other OR gastroin         |
| 10                    | 0F9F82Z              | Drainage of Accessory Pancreatic Duct, Endo                 | 99                 | Other OR gastroin         |
| 10                    | 0F9G00Z              | Drainage of Pancreas with Drainage Device, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0F9G02Z              | Drainage of Pancreas, Open Approach                         | 99                 | Other OR gastroin         |
| 10                    | 0F9G40Z              | Drainage of Pancreas with Drain Dev, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0F9G42Z              | Drainage of Pancreas, Percutaneous Endoscopic Approach      | 99                 | Other OR gastroin         |
| 10                    | 0F8002Z              | Excision of Liver, Open Approach                            | 99                 | Other OR gastroin         |
| 10                    | 0F8032Z              | Excision of Liver, Percutaneous Approach                    | 99                 | Other OR gastroin         |
| 10                    | 0F8042Z              | Excision of Liver, Percutaneous Endoscopic Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F8102Z              | Excision of Right Lobe Liver, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F8132Z              | Excision of Right Lobe Liver, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F8142Z              | Excision of Right Lobe Liver, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0F8202Z              | Excision of Left Lobe Liver, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0F8232Z              | Excision of Left Lobe Liver, Percutaneous Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F8242Z              | Excision of Left Lobe Liver, Perc Endo Approach             | 99                 | Other OR gastroin         |
| 10                    | 0F8402Z              | Excision of Gallbladder, Open Approach                      | 84                 | Cholecystectomy a         |
| 10                    | 0F8432Z              | Excision of Gallbladder, Percutaneous Approach              | 84                 | Cholecystectomy a         |
| 10                    | 0F8442Z              | Excision of Gallbladder, Percutaneous Endoscopic Approach   | 84                 | Cholecystectomy a         |
| 10                    | 0F8502Z              | Excision of Right Hepatic Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0F8532Z              | Excision of Right Hepatic Duct, Percutaneous Approach       | 99                 | Other OR gastroin         |
| 10                    | 0F8572Z              | Excision of Right Hepatic Duct, Via Opening                 | 99                 | Other OR gastroin         |
| 10                    | 0F8602Z              | Excision of Left Hepatic Duct, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0F8632Z              | Excision of Left Hepatic Duct, Percutaneous Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F8672Z              | Excision of Left Hepatic Duct, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | 0F8802Z              | Excision of Cystic Duct, Open Approach                      | 99                 | Other OR gastroin         |
| 10                    | 0F8832Z              | Excision of Cystic Duct, Percutaneous Approach              | 99                 | Other OR gastroin         |
| 10                    | 0F8872Z              | Excision of Cystic Duct, Via Natural or Artificial Opening  | 99                 | Other OR gastroin         |
| 10                    | 0F8902Z              | Excision of Common Bile Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F8932Z              | Excision of Common Bile Duct, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F8972Z              | Excision of Common Bile Duct, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0F8C02Z              | Excision of Ampulla of Vater, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F8C32Z              | Excision of Ampulla of Vater, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0F8C72Z              | Excision of Ampulla of Vater, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0F8D02Z              | Excision of Pancreatic Duct, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0F8D32Z              | Excision of Pancreatic Duct, Percutaneous Approach          | 99                 | Other OR gastroin         |
| 10                    | 0F8D72Z              | Excision of Pancreatic Duct, Via Opening                    | 99                 | Other OR gastroin         |
| 10                    | 0F8F02Z              | Excision of Accessory Pancreatic Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0F8F32Z              | Excision of Accessory Pancreatic Duct, Percutaneous Appoa   | 99                 | Other OR gastroin         |
| 10                    | 0F8F72Z              | Excision of Accessory Pancreatic Duct, Via Opening          | 99                 | Other OR gastroin         |
| 10                    | 0F8G02Z              | Excision of Pancreas, Open Approach                         | 99                 | Other OR gastroin         |
| 10                    | 0F8G32Z              | Excision of Pancreas, Percutaneous Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0F8G42Z              | Excision of Pancreas, Percutaneous Endoscopic Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FC002Z              | Extirpation of Matter from Liver, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0FC032Z              | Extirpation of Matter from Liver, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FC042Z              | Extirpation of Matter from Liver, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FC102Z              | Extirpation of Matter from Right Lobe Liver, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FC132Z              | Extirpation of Matter from Right Lobe Liver, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FC142Z              | Extirpation of Matter from R Lobe Liver, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FC202Z              | Extirpation of Matter from Left Lobe Liver, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FC232Z              | Extirpation of Matter from Left Lobe Liver, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FC242Z              | Extirpation of Matter from L Lobe Liver, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FC402Z              | Extirpation of Matter from Gallbladder, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FC432Z              | Extirpation of Matter from Gallbladder, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FC442Z              | Extirpation of Matter from Gallbladder, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FC502Z              | Extirpation of Matter from Right Hepatic Duct, Open Appoa   | 99                 | Other OR gastroin         |
| 10                    | 0FC602Z              | Extirpation of Matter from Left Hepatic Duct, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0FC802Z              | Extirpation of Matter from Cystic Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FC902Z              | Extirpation of Matter from Common Bile Duct, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FCC02Z              | Extirpation of Matter from Ampulla of Vater, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FCC32Z              | Extirpation of Matter from Ampulla of Vater, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FCC72Z              | Extirpation of Matter from Ampulla of Vater, Via Opening    | 99                 | Other OR gastroin         |
| 10                    | 0FCD02Z              | Extirpation of Matter from Pancreatic Duct, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FCD72Z              | Extirpation of Matter from Pancreatic Duct, Via Opening     | 99                 | Other OR gastroin         |
| 10                    | 0FCF02Z              | Extirpation of Matter from Access Pancr Duct, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0FCF72Z              | Extirpation of Matter from Access Pancr Duct, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | 0FCG02Z              | Extirpation of Matter from Pancreas, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FCG32Z              | Extirpation of Matter from Pancreas, Percutaneous Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FCG42Z              | Extirpation of Matter from Pancreas, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FF402Z              | Fragmentation in Gallbladder, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0FF432Z              | Fragmentation in Gallbladder, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FF442Z              | Fragmentation in Gallbladder, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0FF472Z              | Fragmentation in Gallbladder, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0FF502Z              | Fragmentation in Right Hepatic Duct, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FF532Z              | Fragmentation in Right Hepatic Duct, Percutaneous Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FF542Z              | Fragmentation in Right Hepatic Duct, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FF572Z              | Fragmentation in Right Hepatic Duct, Via Opening            | 99                 | Other OR gastroin         |
| 10                    | 0FF602Z              | Fragmentation in Left Hepatic Duct, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0FF632Z              | Fragmentation in Left Hepatic Duct, Percutaneous Approach   | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | OFF64ZZ              | Fragmentation in Left Hepatic Duct, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | OFF67ZZ              | Fragmentation in Left Hepatic Duct, Via Opening             | 99                 | Other OR gastroin         |
| 10                    | OFF80ZZ              | Fragmentation in Cystic Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | OFF83ZZ              | Fragmentation in Cystic Duct, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | OFF84ZZ              | Fragmentation in Cystic Duct, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | OFF87ZZ              | Fragmentation in Cystic Duct, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | OFF90ZZ              | Fragmentation in Common Bile Duct, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | OFF93ZZ              | Fragmentation in Common Bile Duct, Percutaneous Approach    | 99                 | Other OR gastroin         |
| 10                    | OFF94ZZ              | Fragmentation in Common Bile Duct, Perc Endo Approach       | 99                 | Other OR gastroin         |
| 10                    | OFF97ZZ              | Fragmentation in Common Bile Duct, Via Opening              | 99                 | Other OR gastroin         |
| 10                    | OFFC0ZZ              | Fragmentation in Ampulla of Vater, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | OFFC3ZZ              | Fragmentation in Ampulla of Vater, Percutaneous Approach    | 99                 | Other OR gastroin         |
| 10                    | OFFC4ZZ              | Fragmentation in Ampulla of Vater, Perc Endo Approach       | 99                 | Other OR gastroin         |
| 10                    | OFFC7ZZ              | Fragmentation in Ampulla of Vater, Via Opening              | 99                 | Other OR gastroin         |
| 10                    | OFFD0ZZ              | Fragmentation in Pancreatic Duct, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | OFFD3ZZ              | Fragmentation in Pancreatic Duct, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | OFFD4ZZ              | Fragmentation in Pancreatic Duct, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | OFFD7ZZ              | Fragmentation in Pancreatic Duct, Via Opening               | 99                 | Other OR gastroin         |
| 10                    | OFFD8ZZ              | Fragmentation in Pancreatic Duct, Endo                      | 99                 | Other OR gastroin         |
| 10                    | OFFF0ZZ              | Fragmentation in Accessory Pancreatic Duct, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | OFFF3ZZ              | Fragmentation in Accessory Pancreatic Duct, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | OFFF4ZZ              | Fragmentation in Access Pancr Duct, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | OFFF7ZZ              | Fragmentation in Accessory Pancreatic Duct, Via Opening     | 99                 | Other OR gastroin         |
| 10                    | OFFF8ZZ              | Fragmentation in Accessory Pancreatic Duct, Endo            | 99                 | Other OR gastroin         |
| 10                    | OFHB01Z              | Insert of Radioact Elem into Hepatobil Duct, Open Approach  | 211                | Radiation therapy         |
| 10                    | OFHB0DZ              | Insertion of Intralum Dev into Hepatobil Duct, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OFHB31Z              | Insert of Radioact Elem into Hepatobil Duct, Perc Approach  | 211                | Radiation therapy         |
| 10                    | OFHB3DZ              | Insertion of Intralum Dev into Hepatobil Duct, Perc Approa  | 99                 | Other OR gastroin         |
| 10                    | OFHB41Z              | Insert Radioact Elem in Hepatobil Duct, Perc Endo           | 211                | Radiation therapy         |
| 10                    | OFHB71Z              | Insertion of Radioact Elem into Hepatobil Duct, Via Openin  | 211                | Radiation therapy         |
| 10                    | OFHB7DZ              | Insertion of Intralum Dev into Hepatobil Duct, Via Opening  | 99                 | Other OR gastroin         |
| 10                    | OFHB81Z              | Insertion of Radioactive Element into Hepatobil Duct, Endo  | 211                | Radiation therapy         |
| 10                    | OFHD01Z              | Insertion of Radioact Elem into Pancreat Duct, Open Approa  | 211                | Radiation therapy         |
| 10                    | OFHD0DZ              | Insertion of Intralum Dev into Pancreat Duct, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFHD31Z              | Insertion of Radioact Elem into Pancreat Duct, Perc Approa  | 211                | Radiation therapy         |
| 10                    | OFHD3DZ              | Insertion of Intralum Dev into Pancreat Duct, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OFHD41Z              | Insert Radioact Elem in Pancreat Duct, Perc Endo            | 211                | Radiation therapy         |
| 10                    | OFHD71Z              | Insertion of Radioact Elem into Pancreat Duct, Via Opening  | 211                | Radiation therapy         |
| 10                    | OFHD7DZ              | Insertion of Intralum Dev into Pancreat Duct, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | OFHD81Z              | Insertion of Radioactive Element into Pancreatic Duct, End  | 211                | Radiation therapy         |
| 10                    | OFL50CZ              | Occlusion of R Hepatic Duct with Extralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OFL50DZ              | Occlusion of R Hepatic Duct with Intralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OFL50ZZ              | Occlusion of Right Hepatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | OFL60CZ              | Occlusion of L Hepatic Duct with Extralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OFL60DZ              | Occlusion of L Hepatic Duct with Intralum Dev, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OFL60ZZ              | Occlusion of Left Hepatic Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | OFL80CZ              | Occlusion of Cystic Duct with Extralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | OFL80DZ              | Occlusion of Cystic Duct with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | OFL80ZZ              | Occlusion of Cystic Duct, Open Approach                     | 99                 | Other OR gastroin         |
| 10                    | OFL90CZ              | Occlusion of Com Bile Duct with Extralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFL90DZ              | Occlusion of Com Bile Duct with Intralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFL90ZZ              | Occlusion of Common Bile Duct, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | OFLC0CZ              | Occlusion of Ampulla Vater with Extralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFLC0DZ              | Occlusion of Ampulla Vater with Intralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFLC0ZZ              | Occlusion of Ampulla of Vater, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | OFLC3CZ              | Occlusion of Ampulla Vater with Extralum Dev, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OFLC3DZ              | Occlusion of Ampulla Vater with Intralum Dev, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OFLC3ZZ              | Occlusion of Ampulla of Vater, Percutaneous Approach        | 99                 | Other OR gastroin         |
| 10                    | OFLC4CZ              | Occlusion Ampulla Vater w Extralum Dev, Perc Endo           | 99                 | Other OR gastroin         |
| 10                    | OFLC4DZ              | Occlusion Ampulla Vater w Intralum Dev, Perc Endo           | 99                 | Other OR gastroin         |
| 10                    | OFLC4ZZ              | Occlusion of Ampulla of Vater, Perc Endo Approach           | 99                 | Other OR gastroin         |
| 10                    | OFLC7DZ              | Occlusion of Ampulla of Vater with Intralum Dev, Via Openi  | 99                 | Other OR gastroin         |
| 10                    | OFLC7ZZ              | Occlusion of Ampulla of Vater, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | OFLC8DZ              | Occlusion of Ampulla of Vater with Intraluminal Device, En  | 99                 | Other OR gastroin         |
| 10                    | OFLC8ZZ              | Occlusion of Ampulla of Vater, Endo                         | 99                 | Other OR gastroin         |
| 10                    | OFLD0CZ              | Occlusion of Pancreat Duct with Extralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFLD0DZ              | Occlusion of Pancreat Duct with Intralum Dev, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OFLD0ZZ              | Occlusion of Pancreatic Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | OFLD3CZ              | Occlusion of Pancreat Duct with Extralum Dev, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OFLD3DZ              | Occlusion of Pancreat Duct with Intralum Dev, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OFLD3ZZ              | Occlusion of Pancreatic Duct, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | OFLD4CZ              | Occlusion Pancreat Duct w Extralum Dev, Perc Endo           | 99                 | Other OR gastroin         |
| 10                    | OFLD4DZ              | Occlusion Pancreat Duct w Intralum Dev, Perc Endo           | 99                 | Other OR gastroin         |
| 10                    | OFLD4ZZ              | Occlusion of Pancreatic Duct, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | OFLD7DZ              | Occlusion of Pancreatic Duct with Intralum Dev, Via Openin  | 99                 | Other OR gastroin         |
| 10                    | OFLD7ZZ              | Occlusion of Pancreatic Duct, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | OFLD8DZ              | Occlusion of Pancreatic Duct with Intraluminal Device, End  | 99                 | Other OR gastroin         |
| 10                    | OFLD8ZZ              | Occlusion of Pancreatic Duct, Endo                          | 99                 | Other OR gastroin         |
| 10                    | OFLF0CZ              | Occlusion Access Pancr Duct w Extralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | OFLF0DZ              | Occlusion Access Pancr Duct w Intralum Dev, Open            | 99                 | Other OR gastroin         |
| 10                    | OFLF0ZZ              | Occlusion of Accessory Pancreatic Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | OFLF3CZ              | Occlusion Access Pancr Duct w Extralum Dev, Perc            | 99                 | Other OR gastroin         |
| 10                    | OFLF3DZ              | Occlusion Access Pancr Duct w Intralum Dev, Perc            | 99                 | Other OR gastroin         |
| 10                    | OFLF3ZZ              | Occlusion of Accessory Pancreatic Duct, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | OFLF4CZ              | Occlusion Access Pancr Duct w Extralum Dev, Perc Endo       | 99                 | Other OR gastroin         |
| 10                    | OFLF4DZ              | Occlusion Access Pancr Duct w Intralum Dev, Perc Endo       | 99                 | Other OR gastroin         |
| 10                    | OFLF4ZZ              | Occlusion of Accessory Pancreatic Duct, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | OFLF7DZ              | Occlusion Access Pancr Duct w Intralum Dev, Via Opening     | 99                 | Other OR gastroin         |
| 10                    | OFLF7ZZ              | Occlusion of Accessory Pancreatic Duct, Via Opening         | 99                 | Other OR gastroin         |
| 10                    | OFLF8DZ              | Occlusion of Access Pancr Duct with Intralum Dev, Endo      | 99                 | Other OR gastroin         |
| 10                    | OFLF8ZZ              | Occlusion of Accessory Pancreatic Duct, Endo                | 99                 | Other OR gastroin         |
| 10                    | OFM00ZZ              | Reattachment of Liver, Open Approach                        | 99                 | Other OR gastroin         |
| 10                    | OFM04ZZ              | Reattachment of Liver, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin         |
| 10                    | OFM10ZZ              | Reattachment of Right Lobe Liver, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | OFM14ZZ              | Reattachment of Right Lobe Liver, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | OFM20ZZ              | Reattachment of Left Lobe Liver, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | OFM24ZZ              | Reattachment of Left Lobe Liver, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | OFM40ZZ              | Reattachment of Gallbladder, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | OFM50ZZ              | Reattachment of Right Hepatic Duct, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | OFM60ZZ              | Reattachment of Left Hepatic Duct, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | OFM80ZZ              | Reattachment of Cystic Duct, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | OFM90ZZ              | Reattachment of Common Bile Duct, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | OFMC0ZZ              | Reattachment of Ampulla of Vater, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | OFMC4ZZ              | Reattachment of Ampulla of Vater, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | OFMD0ZZ              | Reattachment of Pancreatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | OFMD4ZZ              | Reattachment of Pancreatic Duct, Perc Endo Approach         | 99                 | Other OR gastroin         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0FFG3DZ              | Removal of Intraluminal Device from Pancreas, Perc Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FFG40Z              | Removal of Drainage Device from Pancreas, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FFG42Z              | Removal of Monitor Dev from Pancreas, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FFG43Z              | Removal of Infusion Device from Pancreas, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FFG4DZ              | Removal of Intralum Dev from Pancreas, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FFGX0Z              | Removal of Intralum Dev from Pancreas, Extern Approach      | 99                 | Other OR gastroin          |
| 10                    | 0FQ00ZZ              | Repair Liver, Open Approach                                 | 99                 | Other OR gastroin          |
| 10                    | 0FQ03ZZ              | Repair Liver, Percutaneous Approach                         | 99                 | Other OR gastroin          |
| 10                    | 0FQ04ZZ              | Repair Liver, Percutaneous Endoscopic Approach              | 99                 | Other OR gastroin          |
| 10                    | 0FQ10ZZ              | Repair Right Lobe Liver, Open Approach                      | 99                 | Other OR gastroin          |
| 10                    | 0FQ13ZZ              | Repair Right Lobe Liver, Percutaneous Approach              | 99                 | Other OR gastroin          |
| 10                    | 0FQ14ZZ              | Repair Right Lobe Liver, Percutaneous Endoscopic Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FQ20ZZ              | Repair Left Lobe Liver, Open Approach                       | 99                 | Other OR gastroin          |
| 10                    | 0FQ23ZZ              | Repair Left Lobe Liver, Percutaneous Approach               | 99                 | Other OR gastroin          |
| 10                    | 0FQ24ZZ              | Repair Left Lobe Liver, Percutaneous Endoscopic Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FQ40ZZ              | Repair Gallbladder, Open Approach                           | 99                 | Other OR gastroin          |
| 10                    | 0FQ43ZZ              | Repair Gallbladder, Percutaneous Approach                   | 99                 | Other OR gastroin          |
| 10                    | 0FQ44ZZ              | Repair Gallbladder, Percutaneous Endoscopic Approach        | 99                 | Other OR gastroin          |
| 10                    | 0FQ50ZZ              | Repair Right Hepatic Duct, Open Approach                    | 99                 | Other OR gastroin          |
| 10                    | 0FQ53ZZ              | Repair Right Hepatic Duct, Percutaneous Approach            | 99                 | Other OR gastroin          |
| 10                    | 0FQ54ZZ              | Repair Right Hepatic Duct, Percutaneous Endoscopic Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FQ57ZZ              | Repair Right Hepatic Duct, Via Natural or Artificial Openi  | 99                 | Other OR gastroin          |
| 10                    | 0FQ58ZZ              | Repair Right Hepatic Duct, Endo                             | 99                 | Other OR gastroin          |
| 10                    | 0FQ60ZZ              | Repair Left Hepatic Duct, Open Approach                     | 99                 | Other OR gastroin          |
| 10                    | 0FQ63ZZ              | Repair Left Hepatic Duct, Percutaneous Approach             | 99                 | Other OR gastroin          |
| 10                    | 0FQ64ZZ              | Repair Left Hepatic Duct, Percutaneous Endoscopic Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FQ67ZZ              | Repair Left Hepatic Duct, Via Natural or Artificial Opening | 99                 | Other OR gastroin          |
| 10                    | 0FQ68ZZ              | Repair Left Hepatic Duct, Endo                              | 99                 | Other OR gastroin          |
| 10                    | 0FQ80ZZ              | Repair Cystic Duct, Open Approach                           | 99                 | Other OR gastroin          |
| 10                    | 0FQ83ZZ              | Repair Cystic Duct, Percutaneous Approach                   | 99                 | Other OR gastroin          |
| 10                    | 0FQ84ZZ              | Repair Cystic Duct, Percutaneous Endoscopic Approach        | 99                 | Other OR gastroin          |
| 10                    | 0FQ87ZZ              | Repair Cystic Duct, Via Natural or Artificial Opening       | 99                 | Other OR gastroin          |
| 10                    | 0FQ88ZZ              | Repair Cystic Duct, Endo                                    | 99                 | Other OR gastroin          |
| 10                    | 0FQ90ZZ              | Repair Common Bile Duct, Open Approach                      | 99                 | Other OR gastroin          |
| 10                    | 0FQ93ZZ              | Repair Common Bile Duct, Percutaneous Approach              | 99                 | Other OR gastroin          |
| 10                    | 0FQ94ZZ              | Repair Common Bile Duct, Percutaneous Endoscopic Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FQ97ZZ              | Repair Common Bile Duct, Via Natural or Artificial Opening  | 99                 | Other OR gastroin          |
| 10                    | 0FQ98ZZ              | Repair Common Bile Duct, Endo                               | 99                 | Other OR gastroin          |
| 10                    | 0FQC0ZZ              | Repair Ampulla of Vater, Open Approach                      | 99                 | Other OR gastroin          |
| 10                    | 0FQC3ZZ              | Repair Ampulla of Vater, Percutaneous Approach              | 99                 | Other OR gastroin          |
| 10                    | 0FQC4ZZ              | Repair Ampulla of Vater, Percutaneous Endoscopic Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FQC7ZZ              | Repair Ampulla of Vater, Via Natural or Artificial Opening  | 99                 | Other OR gastroin          |
| 10                    | 0FQC8ZZ              | Repair Ampulla of Vater, Endo                               | 99                 | Other OR gastroin          |
| 10                    | 0FQD0ZZ              | Repair Pancreatic Duct, Open Approach                       | 99                 | Other OR gastroin          |
| 10                    | 0FQD3ZZ              | Repair Pancreatic Duct, Percutaneous Approach               | 99                 | Other OR gastroin          |
| 10                    | 0FQD4ZZ              | Repair Pancreatic Duct, Percutaneous Endoscopic Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FQD7ZZ              | Repair Pancreatic Duct, Via Natural or Artificial Opening   | 99                 | Other OR gastroin          |
| 10                    | 0FQD8ZZ              | Repair Pancreatic Duct, Endo                                | 99                 | Other OR gastroin          |
| 10                    | 0FQF0ZZ              | Repair Accessory Pancreatic Duct, Open Approach             | 99                 | Other OR gastroin          |
| 10                    | 0FQF3ZZ              | Repair Accessory Pancreatic Duct, Percutaneous Approach     | 99                 | Other OR gastroin          |
| 10                    | 0FQF4ZZ              | Repair Accessory Pancreatic Duct, Perc Endo Approach        | 99                 | Other OR gastroin          |
| 10                    | 0FQF7ZZ              | Repair Accessory Pancreatic Duct, Via Opening               | 99                 | Other OR gastroin          |
| 10                    | 0FQF8ZZ              | Repair Accessory Pancreatic Duct, Endo                      | 99                 | Other OR gastroin          |
| 10                    | 0FQG0ZZ              | Repair Pancreas, Open Approach                              | 99                 | Other OR gastroin          |
| 10                    | 0FQG3ZZ              | Repair Pancreas, Percutaneous Approach                      | 99                 | Other OR gastroin          |
| 10                    | 0FQG4ZZ              | Repair Pancreas, Percutaneous Endoscopic Approach           | 99                 | Other OR gastroin          |
| 10                    | 0FR507Z              | Replacement of R Hepatic Duct with Autol Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR50JZ              | Replacement of R Hepatic Duct with Synth Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR50KZ              | Replacement of R Hepatic Duct with Nonaut Sub, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR547Z              | Replace of R Hepatic Duct with Autol Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR54JZ              | Replace of R Hepatic Duct with Synth Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR54KZ              | Replace R Hepatic Duct w Nonaut Sub, Perc Endo              | 99                 | Other OR gastroin          |
| 10                    | 0FR607Z              | Replacement of L Hepatic Duct with Autol Sub, Open Approach | 99                 | Other OR gastroin          |
| 10                    | 0FR60JZ              | Replacement of L Hepatic Duct with Synth Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR60KZ              | Replacement of L Hepatic Duct with Nonaut Sub, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR647Z              | Replace of L Hepatic Duct with Autol Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR64JZ              | Replace of L Hepatic Duct with Synth Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FR64KZ              | Replace L Hepatic Duct w Nonaut Sub, Perc Endo              | 99                 | Other OR gastroin          |
| 10                    | 0FR807Z              | Replacement of Cystic Duct with Autol Sub, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FR80JZ              | Replacement of Cystic Duct with Synth Sub, Open Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FR80KZ              | Replacement of Cystic Duct with Nonaut Sub, Open Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FR847Z              | Replace of Cystic Duct with Autol Sub, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FR84JZ              | Replace of Cystic Duct with Synth Sub, Perc Endo Approach   | 99                 | Other OR gastroin          |
| 10                    | 0FR84KZ              | Replace of Cystic Duct with Nonaut Sub, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FR907Z              | Replacement of Com Bile Duct with Autol Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FR90JZ              | Replacement of Com Bile Duct with Synth Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FR90KZ              | Replacement of Com Bile Duct with Nonaut Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR947Z              | Replace of Com Bile Duct with Autol Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR94JZ              | Replace of Com Bile Duct with Synth Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FR94KZ              | Replace of Com Bile Duct with Nonaut Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FRC07Z              | Replacement of Ampulla Vater with Autol Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FRC0JZ              | Replacement of Ampulla Vater with Synth Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FRC0KZ              | Replacement of Ampulla Vater with Nonaut Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRC47Z              | Replace of Ampulla Vater with Autol Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRC4JZ              | Replace of Ampulla Vater with Synth Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRC4KZ              | Replace of Ampulla Vater with Nonaut Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FRD07Z              | Replacement of Pancreatic Duct with Autol Sub, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FRD0JZ              | Replacement of Pancreatic Duct with Synth Sub, Open Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FRD0KZ              | Replacement of Pancreat Duct with Nonaut Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRD47Z              | Replace of Pancreat Duct with Autol Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRD4JZ              | Replace of Pancreat Duct with Synth Sub, Perc Endo Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRD4KZ              | Replace of Pancreat Duct with Nonaut Sub, Perc Endo Approa  | 99                 | Other OR gastroin          |
| 10                    | 0FRF07Z              | Replace of Access Pancr Duct with Autol Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FRF0JZ              | Replace of Access Pancr Duct with Synth Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0FRF0KZ              | Replace of Access Pancr Duct with Nonaut Sub, Open Approac  | 99                 | Other OR gastroin          |
| 10                    | 0FRF47Z              | Replace Access Pancr Duct w Autol Sub, Perc Endo            | 99                 | Other OR gastroin          |
| 10                    | 0FRF4JZ              | Replace Access Pancr Duct w Synth Sub, Perc Endo            | 99                 | Other OR gastroin          |
| 10                    | 0FRF4KZ              | Replace Access Pancr Duct w Nonaut Sub, Perc Endo           | 99                 | Other OR gastroin          |
| 10                    | 0FS00ZZ              | Reposition Liver, Open Approach                             | 99                 | Other OR gastroin          |
| 10                    | 0FS04ZZ              | Reposition Liver, Percutaneous Endoscopic Approach          | 99                 | Other OR gastroin          |
| 10                    | 0FS40ZZ              | Reposition Gallbladder, Open Approach                       | 99                 | Other OR gastroin          |
| 10                    | 0FS44ZZ              | Reposition Gallbladder, Percutaneous Endoscopic Approach    | 99                 | Other OR gastroin          |
| 10                    | 0FS50ZZ              | Reposition Right Hepatic Duct, Open Approach                | 99                 | Other OR gastroin          |
| 10                    | 0FS54ZZ              | Reposition Right Hepatic Duct, Perc Endo Approach           | 99                 | Other OR gastroin          |
| 10                    | 0FS60ZZ              | Reposition Left Hepatic Duct, Open Approach                 | 99                 | Other OR gastroin          |
| 10                    | 0FS64ZZ              | Reposition Left Hepatic Duct, Perc Endo Approach            | 99                 | Other OR gastroin          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0FS80ZZ              | Reposition Cystic Duct, Open Approach                        | 99                 | Other OR gastroin         |
| 10                    | 0FS84ZZ              | Reposition Cystic Duct, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FS90ZZ              | Reposition Common Bile Duct, Open Approach                   | 99                 | Other OR gastroin         |
| 10                    | 0FS94ZZ              | Reposition Common Bile Duct, Perc Endo Approach              | 99                 | Other OR gastroin         |
| 10                    | 0FSC0ZZ              | Reposition Ampulla of Vater, Open Approach                   | 99                 | Other OR gastroin         |
| 10                    | 0FSC4ZZ              | Reposition Ampulla of Vater, Perc Endo Approach              | 99                 | Other OR gastroin         |
| 10                    | 0FSD0ZZ              | Reposition Pancreatic Duct, Open Approach                    | 99                 | Other OR gastroin         |
| 10                    | 0FSD4ZZ              | Reposition Pancreatic Duct, Percutaneous Endoscopic Approach | 99                 | Other OR gastroin         |
| 10                    | 0FSF0ZZ              | Reposition Accessory Pancreatic Duct, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FSF4ZZ              | Reposition Accessory Pancreatic Duct, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FSG0ZZ              | Reposition Pancreas, Open Approach                           | 99                 | Other OR gastroin         |
| 10                    | 0FSG4ZZ              | Reposition Pancreas, Percutaneous Endoscopic Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FT00ZZ              | Resection of Liver, Open Approach                            | 99                 | Other OR gastroin         |
| 10                    | 0FT04ZZ              | Resection of Liver, Percutaneous Endoscopic Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FT10ZZ              | Resection of Right Lobe Liver, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0FT14ZZ              | Resection of Right Lobe Liver, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0FT20ZZ              | Resection of Left Lobe Liver, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0FT24ZZ              | Resection of Left Lobe Liver, Perc Endo Approach             | 99                 | Other OR gastroin         |
| 10                    | 0FT40ZZ              | Resection of Gallbladder, Open Approach                      | 84                 | Cholecystectomy a         |
| 10                    | 0FT44ZZ              | Resection of Gallbladder, Percutaneous Endoscopic Approach   | 84                 | Cholecystectomy a         |
| 10                    | 0FT50ZZ              | Resection of Right Hepatic Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0FT54ZZ              | Resection of Right Hepatic Duct, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FT57ZZ              | Resection of Right Hepatic Duct, Via Opening                 | 99                 | Other OR gastroin         |
| 10                    | 0FT58ZZ              | Resection of Right Hepatic Duct, Endo                        | 99                 | Other OR gastroin         |
| 10                    | 0FT60ZZ              | Resection of Left Hepatic Duct, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0FT64ZZ              | Resection of Left Hepatic Duct, Perc Endo Approach           | 99                 | Other OR gastroin         |
| 10                    | 0FT67ZZ              | Resection of Left Hepatic Duct, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | 0FT68ZZ              | Resection of Left Hepatic Duct, Endo                         | 99                 | Other OR gastroin         |
| 10                    | 0FT80ZZ              | Resection of Cystic Duct, Open Approach                      | 99                 | Other OR gastroin         |
| 10                    | 0FT84ZZ              | Resection of Cystic Duct, Percutaneous Endoscopic Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FT87ZZ              | Resection of Cystic Duct, Via Natural or Artificial Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FT88ZZ              | Resection of Cystic Duct, Endo                               | 99                 | Other OR gastroin         |
| 10                    | 0FT90ZZ              | Resection of Common Bile Duct, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0FT94ZZ              | Resection of Common Bile Duct, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0FT97ZZ              | Resection of Common Bile Duct, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0FT98ZZ              | Resection of Common Bile Duct, Endo                          | 99                 | Other OR gastroin         |
| 10                    | 0FTC0ZZ              | Resection of Ampulla of Vater, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0FTC4ZZ              | Resection of Ampulla of Vater, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0FTC7ZZ              | Resection of Ampulla of Vater, Via Opening                   | 99                 | Other OR gastroin         |
| 10                    | 0FTC8ZZ              | Resection of Ampulla of Vater, Endo                          | 99                 | Other OR gastroin         |
| 10                    | 0FTD0ZZ              | Resection of Pancreatic Duct, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0FTD7ZZ              | Resection of Pancreatic Duct, Via Opening                    | 99                 | Other OR gastroin         |
| 10                    | 0FTF0ZZ              | Resection of Accessory Pancreatic Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FTF7ZZ              | Resection of Accessory Pancreatic Duct, Via Opening          | 99                 | Other OR gastroin         |
| 10                    | 0FTG0ZZ              | Resection of Pancreas, Open Approach                         | 99                 | Other OR gastroin         |
| 10                    | 0FTG4ZZ              | Resection of Pancreas, Percutaneous Endoscopic Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FU507Z              | Supplement Right Hepatic Duct with Autol Sub, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU50I2              | Supplement Right Hepatic Duct with Synth Sub, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU50K2              | Supplement Right Hepatic Duct with Nonaut Sub, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU537Z              | Supplement Right Hepatic Duct with Autol Sub, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU53J2              | Supplement Right Hepatic Duct with Synth Sub, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU53K2              | Supplement Right Hepatic Duct with Nonaut Sub, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU547Z              | Supplement R Hepatic Duct with Autol Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU54J2              | Supplement R Hepatic Duct with Synth Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU54K2              | Supplement R Hepatic Duct w Nonaut Sub, Perc Endo            | 99                 | Other OR gastroin         |
| 10                    | 0FU607Z              | Supplement Left Hepatic Duct with Autol Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU60I2              | Supplement Left Hepatic Duct with Synth Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU60K2              | Supplement Left Hepatic Duct with Nonaut Sub, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU637Z              | Supplement Left Hepatic Duct with Autol Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU63J2              | Supplement Left Hepatic Duct with Synth Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU63K2              | Supplement Left Hepatic Duct with Nonaut Sub, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU647Z              | Supplement L Hepatic Duct with Autol Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU64I2              | Supplement L Hepatic Duct with Synth Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FU64K2              | Supplement L Hepatic Duct w Nonaut Sub, Perc Endo            | 99                 | Other OR gastroin         |
| 10                    | 0FU807Z              | Supplement Cystic Duct with Autol Sub, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FU80J2              | Supplement Cystic Duct with Synth Sub, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FU80K2              | Supplement Cystic Duct with Nonaut Sub, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FU837Z              | Supplement Cystic Duct with Autol Sub, Perc Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FU83I2              | Supplement Cystic Duct with Synth Sub, Perc Approach         | 99                 | Other OR gastroin         |
| 10                    | 0FU83K2              | Supplement Cystic Duct with Nonaut Sub, Perc Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FU847Z              | Supplement Cystic Duct with Autol Sub, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU84I2              | Supplement Cystic Duct with Synth Sub, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU84K2              | Supplement Cystic Duct with Nonaut Sub, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU907Z              | Supplement Common Bile Duct with Autol Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU90I2              | Supplement Common Bile Duct with Synth Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU90K2              | Supplement Common Bile Duct with Nonaut Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU937Z              | Supplement Common Bile Duct with Autol Sub, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU93I2              | Supplement Common Bile Duct with Synth Sub, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FU93K2              | Supplement Common Bile Duct with Nonaut Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FU947Z              | Supplement Com Bile Duct with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU94I2              | Supplement Com Bile Duct with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FU94K2              | Supplement Com Bile Duct with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FUC07Z              | Supplement Ampulla of Vater with Autol Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUC0I2              | Supplement Ampulla of Vater with Synth Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUC0K2              | Supplement Ampulla of Vater with Nonaut Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUC37Z              | Supplement Ampulla of Vater with Autol Sub, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUC3I2              | Supplement Ampulla of Vater with Synth Sub, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUC3K2              | Supplement Ampulla of Vater with Nonaut Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUC47Z              | Supplement Ampulla Vater with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FUC4I2              | Supplement Ampulla Vater with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FUC4K2              | Supplement Ampulla Vater with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FUD07Z              | Supplement Pancreatic Duct with Autol Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FUD0I2              | Supplement Pancreatic Duct with Synth Sub, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FUD0K2              | Supplement Pancreatic Duct with Nonaut Sub, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUD37Z              | Supplement Pancreatic Duct with Autol Sub, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FUD3I2              | Supplement Pancreatic Duct with Synth Sub, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FUD3K2              | Supplement Pancreatic Duct with Nonaut Sub, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FUD47Z              | Supplement Pancreat Duct with Autol Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FUD4I2              | Supplement Pancreat Duct with Synth Sub, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FUD4K2              | Supplement Pancreat Duct with Nonaut Sub, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0FUF07Z              | Supplement Access Pancr Duct with Autol Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUF0I2              | Supplement Access Pancr Duct with Synth Sub, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUF0K2              | Supplement Access Pancr Duct with Nonaut Sub, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0FUF37Z              | Supplement Access Pancr Duct with Autol Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUF3I2              | Supplement Access Pancr Duct with Synth Sub, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FUF3K2              | Supplement Access Pancr Duct with Nonaut Sub, Perc Approach  | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0FUF47Z              | Supplement Access Pancr Duct w Autol Sub, Perc Endo          | 99                 | Other OR gastroin         |
| 10                    | 0FUF4JZ              | Supplement Access Pancr Duct w Synth Sub, Perc Endo          | 99                 | Other OR gastroin         |
| 10                    | 0FUF4KZ              | Supplement Access Pancr Duct w Nonaut Sub, Perc Endo         | 99                 | Other OR gastroin         |
| 10                    | 0FV50CZ              | Restrict of R Hepatic Duct with Extralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV50DZ              | Restrict of R Hepatic Duct with Intralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV50ZZ              | Restriction of Right Hepatic Duct, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0FV60CZ              | Restrict of L Hepatic Duct with Extralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV60DZ              | Restrict of L Hepatic Duct with Intralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV60ZZ              | Restriction of Left Hepatic Duct, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0FV80CZ              | Restriction of Cystic Duct with Extralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV80DZ              | Restriction of Cystic Duct with Intralum Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FV80ZZ              | Restriction of Cystic Duct, Open Approach                    | 99                 | Other OR gastroin         |
| 10                    | 0FV90CZ              | Restrict of Com Bile Duct with Extralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FV90DZ              | Restrict of Com Bile Duct with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FV90ZZ              | Restriction of Common Bile Duct, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0FVCOZZ              | Restrict of Ampulla Vater with Extralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVCDZZ              | Restrict of Ampulla Vater with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVCOZZ              | Restriction of Ampulla of Vater, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0FVC3CZ              | Restrict of Ampulla Vater with Extralum Dev, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVC3DZ              | Restrict of Ampulla Vater with Intralum Dev, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVC3ZZ              | Restriction of Ampulla of Vater, Percutaneous Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FVC4CZ              | Restrict Ampulla Vater w Extralum Dev, Perc Endo             | 99                 | Other OR gastroin         |
| 10                    | 0FVC4DZ              | Restrict Ampulla Vater w Intralum Dev, Perc Endo             | 99                 | Other OR gastroin         |
| 10                    | 0FVC4ZZ              | Restriction of Ampulla of Vater, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FVC7DZ              | Restriction of Ampulla Vater with Intralum Dev, Via Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FVC7ZZ              | Restriction of Ampulla of Vater, Via Opening                 | 99                 | Other OR gastroin         |
| 10                    | 0FVC8DZ              | Restriction of Ampulla of Vater with Intralum Dev, Endo      | 99                 | Other OR gastroin         |
| 10                    | 0FVC8ZZ              | Restriction of Ampulla of Vater, Endo                        | 99                 | Other OR gastroin         |
| 10                    | 0FVD0CZ              | Restrict of Pancreat Duct with Extralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVD0DZ              | Restrict of Pancreat Duct with Intralum Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVD0ZZ              | Restriction of Pancreatic Duct, Open Approach                | 99                 | Other OR gastroin         |
| 10                    | 0FVD3CZ              | Restrict of Pancreat Duct with Extralum Dev, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVD3DZ              | Restrict of Pancreat Duct with Intralum Dev, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FVD3ZZ              | Restriction of Pancreatic Duct, Percutaneous Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FVD4CZ              | Restrict Pancreat Duct w Extralum Dev, Perc Endo             | 99                 | Other OR gastroin         |
| 10                    | 0FVD4DZ              | Restrict Pancreat Duct w Intralum Dev, Perc Endo             | 99                 | Other OR gastroin         |
| 10                    | 0FVD4ZZ              | Restriction of Pancreatic Duct, Perc Endo Approach           | 99                 | Other OR gastroin         |
| 10                    | 0FVD7DZ              | Restriction of Pancreat Duct with Intralum Dev, Via Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FVD7ZZ              | Restriction of Pancreatic Duct, Via Opening                  | 99                 | Other OR gastroin         |
| 10                    | 0FVD8DZ              | Restriction of Pancreatic Duct with Intralum Dev, Endo       | 99                 | Other OR gastroin         |
| 10                    | 0FVD8ZZ              | Restriction of Pancreatic Duct, Endo                         | 99                 | Other OR gastroin         |
| 10                    | 0FVF0CZ              | Restrict Access Pancr Duct w Extralum Dev, Open              | 99                 | Other OR gastroin         |
| 10                    | 0FVF0DZ              | Restrict Access Pancr Duct w Intralum Dev, Open              | 99                 | Other OR gastroin         |
| 10                    | 0FVF0ZZ              | Restriction of Accessory Pancreatic Duct, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FVF3CZ              | Restrict Access Pancr Duct w Extralum Dev, Perc              | 99                 | Other OR gastroin         |
| 10                    | 0FVF3DZ              | Restrict Access Pancr Duct w Intralum Dev, Perc              | 99                 | Other OR gastroin         |
| 10                    | 0FVF3ZZ              | Restriction of Accessory Pancreatic Duct, Perc Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FVF4CZ              | Restrict Access Pancr Duct w Extralum Dev, Perc Endo         | 99                 | Other OR gastroin         |
| 10                    | 0FVF4DZ              | Restrict Access Pancr Duct w Intralum Dev, Perc Endo         | 99                 | Other OR gastroin         |
| 10                    | 0FVF4ZZ              | Restriction of Accessory Pancreatic Duct, Perc Endo Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FVF7DZ              | Restrict of Access Pancr Duct with Intralum Dev, Via Openi   | 99                 | Other OR gastroin         |
| 10                    | 0FVF7ZZ              | Restriction of Accessory Pancreatic Duct, Via Opening        | 99                 | Other OR gastroin         |
| 10                    | 0FVF8DZ              | Restriction of Access Pancr Duct with Intralum Dev, Endo     | 99                 | Other OR gastroin         |
| 10                    | 0FVF8ZZ              | Restriction of Accessory Pancreatic Duct, Endo               | 99                 | Other OR gastroin         |
| 10                    | 0FW000Z              | Revision of Drainage Device in Liver, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FW002Z              | Revision of Monitoring Device in Liver, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FW003Z              | Revision of Infusion Device in Liver, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0FW030Z              | Revision of Drainage Device in Liver, Percutaneous Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FW032Z              | Revision of Monitoring Device in Liver, Perc Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FW033Z              | Revision of Infusion Device in Liver, Percutaneous Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FW040Z              | Revision of Drainage Device in Liver, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FW042Z              | Revision of Monitoring Device in Liver, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FW043Z              | Revision of Infusion Device in Liver, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FW400Z              | Revision of Drainage Device in Gallbladder, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FW402Z              | Revision of Monitoring Device in Gallbladder, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FW403Z              | Revision of Infusion Device in Gallbladder, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FW40DZ              | Revision of Intralum Dev in Gallbladder, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FW430Z              | Revision of Drainage Device in Gallbladder, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FW432Z              | Revision of Monitoring Device in Gallbladder, Perc Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FW433Z              | Revision of Infusion Device in Gallbladder, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FW43DZ              | Revision of intralum Dev in Gallbladder, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FW440Z              | Revision of Drain Dev in Gallbladder, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FW442Z              | Revision of Monitor Dev in Gallbladder, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FW443Z              | Revision of infusion Dev in Gallbladder, Perc Endo Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FW44DZ              | Revision of intralum Dev in Gallbladder, Perc Endo Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FWB00Z              | Revision of Drainage Device in Hepatobil Duct, Open Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWB02Z              | Revision of Monitor Dev in Hepatobil Duct, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWB03Z              | Revision of Infusion Device in Hepatobil Duct, Open Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWB07Z              | Revision of Autol Sub in Hepatobil Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWB0CZ              | Revision of Extralum Dev in Hepatobil Duct, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FWB0DZ              | Revision of Intralum Dev in Hepatobil Duct, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FWB0JZ              | Revision of Synth Sub in Hepatobil Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWB0KZ              | Revision of Nonaut Sub in Hepatobil Duct, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FWB30Z              | Revision of Drainage Device in Hepatobil Duct, Perc Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWB32Z              | Revision of Monitor Dev in Hepatobil Duct, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWB33Z              | Revision of Infusion Device in Hepatobil Duct, Perc Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWB37Z              | Revision of Autol Sub in Hepatobil Duct, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWB3CZ              | Revision of Extralum Dev in Hepatobil Duct, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FWB3DZ              | Revision of Intralum Dev in Hepatobil Duct, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0FWB3JZ              | Revision of Synth Sub in Hepatobil Duct, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWB3KZ              | Revision of Nonaut Sub in Hepatobil Duct, Perc Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FWB40Z              | Revision of Drain Dev in Hepatobil Duct, Perc Endo Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FWB42Z              | Revision of Monitor Dev in Hepatobil Duct, Perc Endo Approac | 99                 | Other OR gastroin         |
| 10                    | 0FWB43Z              | Revision of Infusion Dev in Hepatobil Duct, Perc Endo Approa | 99                 | Other OR gastroin         |
| 10                    | 0FWB47Z              | Revision of Autol Sub in Hepatobil Duct, Perc Endo Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FWB4CZ              | Revision of Extralum Dev in Hepatobil Duct, Perc Endo Approa | 99                 | Other OR gastroin         |
| 10                    | 0FWB4DZ              | Revision of Intralum Dev in Hepatobil Duct, Perc Endo Approa | 99                 | Other OR gastroin         |
| 10                    | 0FWB4JZ              | Revision of Synth Sub in Hepatobil Duct, Perc Endo Approac   | 99                 | Other OR gastroin         |
| 10                    | 0FWB4KZ              | Revision of Nonaut Sub in Hepatobil Duct, Perc Endo Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWB70Z              | Revision of Drainage Device in Hepatobil Duct, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | 0FWB72Z              | Revision of Monitoring Device in Hepatobil Duct, Via Openi   | 99                 | Other OR gastroin         |
| 10                    | 0FWB73Z              | Revision of Infusion Device in Hepatobil Duct, Via Opening   | 99                 | Other OR gastroin         |
| 10                    | 0FWB77Z              | Revision of Autol Sub in Hepatobil Duct, Via Opening         | 99                 | Other OR gastroin         |
| 10                    | 0FWB7CZ              | Revision of Extralum Dev in Hepatobil Duct, Via Opening      | 99                 | Other OR gastroin         |
| 10                    | 0FWB7DZ              | Revision of Intralum Dev in Hepatobil Duct, Via Opening      | 99                 | Other OR gastroin         |
| 10                    | 0FWB7JZ              | Revision of Synth Sub in Hepatobil Duct, Via Opening         | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0FWB7KZ              | Revision of Nonaub Sub in Hepatobil Duct, Via Opening        | 99                 | Other OR gastroin         |
| 10                    | 0FWB80Z              | Revision of Drainage Device in Hepatobiliary Duct, Endo      | 99                 | Other OR gastroin         |
| 10                    | 0FWB82Z              | Revision of Monitoring Device in Hepatobiliary Duct, Endo    | 99                 | Other OR gastroin         |
| 10                    | 0FWB83Z              | Revision of Infusion Device in Hepatobiliary Duct, Endo      | 99                 | Other OR gastroin         |
| 10                    | 0FWB87Z              | Revision of Autol Sub in Hepatobil Duct, Endo                | 99                 | Other OR gastroin         |
| 10                    | 0FWB8CZ              | Revision of Extraluminal Device in Hepatobiliary Duct, End   | 99                 | Other OR gastroin         |
| 10                    | 0FWB8DZ              | Revision of Intraluminal Device in Hepatobiliary Duct, End   | 99                 | Other OR gastroin         |
| 10                    | 0FWB8JZ              | Revision of Synthetic Substitute in Hepatobiliary Duct, En   | 99                 | Other OR gastroin         |
| 10                    | 0FWB8KZ              | Revision of Nonaub Sub in Hepatobil Duct, Endo               | 99                 | Other OR gastroin         |
| 10                    | 0FWD00Z              | Revision of Drainage Device in Pancreat Duct, Open Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWD02Z              | Revision of Monitor Dev in Pancreat Duct, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FWD03Z              | Revision of Infusion Device in Pancreat Duct, Open Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWD07Z              | Revision of Autol Sub in Pancreat Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FWD0CZ              | Revision of Extralum Dev in Pancreat Duct, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWD0DZ              | Revision of Intralum Dev in Pancreat Duct, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWD0JZ              | Revision of Synth Sub in Pancreat Duct, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FWD0KZ              | Revision of Nonaub Sub in Pancreat Duct, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWD30Z              | Revision of Drainage Device in Pancreat Duct, Perc Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWD32Z              | Revision of Monitor Dev in Pancreat Duct, Perc Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FWD33Z              | Revision of Infusion Device in Pancreat Duct, Perc Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWD37Z              | Revision of Autol Sub in Pancreat Duct, Perc Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FWD3CZ              | Revision of Extralum Dev in Pancreat Duct, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWD3DZ              | Revision of Intralum Dev in Pancreat Duct, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWD3JZ              | Revision of Synth Sub in Pancreat Duct, Perc Approach        | 99                 | Other OR gastroin         |
| 10                    | 0FWD3KZ              | Revision of Nonaub Sub in Pancreat Duct, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWD40Z              | Revision of Drain Dev in Pancreat Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FWD42Z              | Revision of Monitor Dev in Pancreat Duct, Perc Endo Approa   | 99                 | Other OR gastroin         |
| 10                    | 0FWD43Z              | Revision of Infusion Dev in Pancreat Duct, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0FWD47Z              | Revision of Autol Sub in Pancreat Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FWD4CZ              | Revision of Extralum Dev in Pancreat Duct, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0FWD4DZ              | Revision of Intralum Dev in Pancreat Duct, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0FWD4JZ              | Revision of Synth Sub in Pancreat Duct, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FWD4KZ              | Revision of Nonaub Sub in Pancreat Duct, Perc Endo Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWD70Z              | Revision of Drainage Device in Pancreatic Duct, Via Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FWD72Z              | Revision of Monitoring Device in Pancreat Duct, Via Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FWD73Z              | Revision of Infusion Device in Pancreatic Duct, Via Openin   | 99                 | Other OR gastroin         |
| 10                    | 0FWD77Z              | Revision of Autol Sub in Pancreat Duct, Via Opening          | 99                 | Other OR gastroin         |
| 10                    | 0FWD7CZ              | Revision of Extralum Dev in Pancreat Duct, Via Opening       | 99                 | Other OR gastroin         |
| 10                    | 0FWD7DZ              | Revision of Intralum Dev in Pancreat Duct, Via Opening       | 99                 | Other OR gastroin         |
| 10                    | 0FWD7JZ              | Revision of Synth Sub in Pancreat Duct, Via Opening          | 99                 | Other OR gastroin         |
| 10                    | 0FWD7KZ              | Revision of Nonaub Sub in Pancreat Duct, Via Opening         | 99                 | Other OR gastroin         |
| 10                    | 0FWD80Z              | Revision of Drainage Device in Pancreatic Duct, Endo         | 99                 | Other OR gastroin         |
| 10                    | 0FWD82Z              | Revision of Monitoring Device in Pancreatic Duct, Endo       | 99                 | Other OR gastroin         |
| 10                    | 0FWD83Z              | Revision of Infusion Device in Pancreatic Duct, Endo         | 99                 | Other OR gastroin         |
| 10                    | 0FWD87Z              | Revision of Autol Sub in Pancreat Duct, Endo                 | 99                 | Other OR gastroin         |
| 10                    | 0FWD8CZ              | Revision of Extraluminal Device in Pancreatic Duct, Endo     | 99                 | Other OR gastroin         |
| 10                    | 0FWD8DZ              | Revision of Intraluminal Device in Pancreatic Duct, Endo     | 99                 | Other OR gastroin         |
| 10                    | 0FWD8JZ              | Revision of Synthetic Substitute in Pancreatic Duct, Endo    | 99                 | Other OR gastroin         |
| 10                    | 0FWD8KZ              | Revision of Nonaub Sub in Pancreat Duct, Endo                | 99                 | Other OR gastroin         |
| 10                    | 0FWG00Z              | Revision of Drainage Device in Pancreas, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWG02Z              | Revision of Monitoring Device in Pancreas, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWG03Z              | Revision of Infusion Device in Pancreas, Open Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWG0DZ              | Revision of Intraluminal Device in Pancreas, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FWG30Z              | Revision of Drainage Device in Pancreas, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWG32Z              | Revision of Monitoring Device in Pancreas, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FWG33Z              | Revision of Infusion Device in Pancreas, Perc Approach       | 99                 | Other OR gastroin         |
| 10                    | 0FWG3DZ              | Revision of Intraluminal Device in Pancreas, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0FWG40Z              | Revision of Drainage Device in Pancreas, Perc Endo Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWG42Z              | Revision of Monitor Dev in Pancreas, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0FWG43Z              | Revision of Infusion Device in Pancreas, Perc Endo Approa    | 99                 | Other OR gastroin         |
| 10                    | 0FWG4DZ              | Revision of Intralum Dev in Pancreas, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0FY00Z0              | Transplantation of Liver, Allogeneic, Open Approach          | 176                | Organ transplanta         |
| 10                    | 0FY00Z1              | Transplantation of Liver, Syngeneic, Open Approach           | 176                | Organ transplanta         |
| 10                    | 0FY00Z2              | Transplantation of Liver, Zooplasic, Open Approach           | 176                | Organ transplanta         |
| 10                    | 0FYG0Z0              | Transplantation of Pancreas, Allogeneic, Open Approach       | 176                | Organ transplanta         |
| 10                    | 0FYG0Z1              | Transplantation of Pancreas, Syngeneic, Open Approach        | 176                | Organ transplanta         |
| 10                    | 0FYG0Z2              | Transplantation of Pancreas, Zooplasic, Open Approach        | 176                | Organ transplanta         |
| 10                    | 0G20X0Z              | Change Drainage Device in Pituitary Gland, External Approa   | 12                 | Therapeutic endoc         |
| 10                    | 0G20XYZ              | Change Other Device in Pituitary Gland, External Approach    | 12                 | Therapeutic endoc         |
| 10                    | 0G21X0Z              | Change Drainage Device in Pineal Body, External Approach     | 12                 | Therapeutic endoc         |
| 10                    | 0G21XYZ              | Change Other Device in Pineal Body, External Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G25X0Z              | Change Drainage Device in Adrenal Gland, External Approach   | 12                 | Therapeutic endoc         |
| 10                    | 0G25XYZ              | Change Other Device in Adrenal Gland, External Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G2KX0Z              | Change Drainage Device in Thyroid Gland, External Approach   | 12                 | Therapeutic endoc         |
| 10                    | 0G2KXYZ              | Change Other Device in Thyroid Gland, External Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G2RX0Z              | Change Drainage Device in Parathyroid Gland, Extern Approa   | 12                 | Therapeutic endoc         |
| 10                    | 0G2RXYZ              | Change Other Device in Parathyroid Gland, External Approa    | 12                 | Therapeutic endoc         |
| 10                    | 0G2SX0Z              | Change Drainage Device in Endocrine Gland, External Approa   | 12                 | Therapeutic endoc         |
| 10                    | 0G2SXYZ              | Change Other Device in Endocrine Gland, External Approach    | 12                 | Therapeutic endoc         |
| 10                    | 0G500Z2              | Destruction of Pituitary Gland, Open Approach                | 12                 | Therapeutic endoc         |
| 10                    | 0G503Z2              | Destruction of Pituitary Gland, Percutaneous Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G504Z2              | Destruction of Pituitary Gland, Perc Endo Approach           | 12                 | Therapeutic endoc         |
| 10                    | 0G510Z2              | Destruction of Pineal Body, Open Approach                    | 12                 | Therapeutic endoc         |
| 10                    | 0G513Z2              | Destruction of Pineal Body, Percutaneous Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G514Z2              | Destruction of Pineal Body, Percutaneous Endoscopic Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G520Z2              | Destruction of Left Adrenal Gland, Open Approach             | 12                 | Therapeutic endoc         |
| 10                    | 0G523Z2              | Destruction of Left Adrenal Gland, Percutaneous Approach     | 12                 | Therapeutic endoc         |
| 10                    | 0G524Z2              | Destruction of Left Adrenal Gland, Perc Endo Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G530Z2              | Destruction of Right Adrenal Gland, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G533Z2              | Destruction of Right Adrenal Gland, Percutaneous Approach    | 12                 | Therapeutic endoc         |
| 10                    | 0G534Z2              | Destruction of Right Adrenal Gland, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G540Z2              | Destruction of Bilateral Adrenal Glands, Open Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G543Z2              | Destruction of Bilateral Adrenal Glands, Perc Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G544Z2              | Destruction of Bilateral Adrenal Glands, Perc Endo Approac   | 12                 | Therapeutic endoc         |
| 10                    | 0G560Z2              | Destruction of Left Carotid Body, Open Approach              | 12                 | Therapeutic endoc         |
| 10                    | 0G563Z2              | Destruction of Left Carotid Body, Percutaneous Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G564Z2              | Destruction of Left Carotid Body, Perc Endo Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G570Z2              | Destruction of Right Carotid Body, Open Approach             | 12                 | Therapeutic endoc         |
| 10                    | 0G573Z2              | Destruction of Right Carotid Body, Percutaneous Approach     | 12                 | Therapeutic endoc         |
| 10                    | 0G574Z2              | Destruction of Right Carotid Body, Perc Endo Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G580Z2              | Destruction of Bilateral Carotid Bodies, Open Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G583Z2              | Destruction of Bilateral Carotid Bodies, Perc Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G584Z2              | Destruction of Bilateral Carotid Bodies, Perc Endo Approac   | 12                 | Therapeutic endoc         |
| 10                    | 0G590Z2              | Destruction of Para-aortic Body, Open Approach               | 12                 | Therapeutic endoc         |
| 10                    | 0G593Z2              | Destruction of Para-aortic Body, Percutaneous Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G594Z2              | Destruction of Para-aortic Body, Perc Endo Approach          | 12                 | Therapeutic endoc         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0G5B0ZZ              | Destruction of Coccygeal Glomus, Open Approach             | 12                 | Therapeutic endoc         |
| 10                    | 0G5B3ZZ              | Destruction of Coccygeal Glomus, Percutaneous Approach     | 12                 | Therapeutic endoc         |
| 10                    | 0G5B4ZZ              | Destruction of Coccygeal Glomus, Perc Endo Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G5C0ZZ              | Destruction of Glomus Jugulare, Open Approach              | 12                 | Therapeutic endoc         |
| 10                    | 0G5C3ZZ              | Destruction of Glomus Jugulare, Percutaneous Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G5C4ZZ              | Destruction of Glomus Jugulare, Perc Endo Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G5D0ZZ              | Destruction of Aortic Body, Open Approach                  | 12                 | Therapeutic endoc         |
| 10                    | 0G5D3ZZ              | Destruction of Aortic Body, Percutaneous Approach          | 12                 | Therapeutic endoc         |
| 10                    | 0G5D4ZZ              | Destruction of Aortic Body, Percutaneous Endoscopic Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G5F0ZZ              | Destruction of Paraganglion Extremity, Open Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G5F3ZZ              | Destruction of Paraganglion Extremity, Percutaneous Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G5F4ZZ              | Destruction of Paraganglion Extremity, Perc Endo Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G5G0ZZ              | Destruction of Left Thyroid Gland Lobe, Open Approach      | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5G3ZZ              | Destruction of Left Thyroid Gland Lobe, Perc Approach      | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5G4ZZ              | Destruction of Left Thyroid Gland Lobe, Perc Endo Approach | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5H0ZZ              | Destruction of Right Thyroid Gland Lobe, Open Approach     | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5H3ZZ              | Destruction of Right Thyroid Gland Lobe, Perc Approach     | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5H4ZZ              | Destruction of Right Thyroid Gland Lobe, Perc Endo Approac | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5K0ZZ              | Destruction of Thyroid Gland, Open Approach                | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5K3ZZ              | Destruction of Thyroid Gland, Percutaneous Approach        | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5K4ZZ              | Destruction of Thyroid Gland, Perc Endo Approach           | 10                 | Thyroidectomy; pa         |
| 10                    | 0G5L0ZZ              | Destruction of R Sup Parathyroid, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5L3ZZ              | Destruction of R Sup Parathyroid, Perc Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5L4ZZ              | Destruction of R Sup Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G5M0ZZ              | Destruction of L Sup Parathyroid, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5M3ZZ              | Destruction of L Sup Parathyroid, Perc Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5M4ZZ              | Destruction of L Sup Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G5N0ZZ              | Destruction of R Inf Parathyroid, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5N3ZZ              | Destruction of R Inf Parathyroid, Perc Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5N4ZZ              | Destruction of R Inf Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G5P0ZZ              | Destruction of L Inf Parathyroid, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5P3ZZ              | Destruction of L Inf Parathyroid, Perc Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5P4ZZ              | Destruction of L Inf Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G5Q0ZZ              | Destruction of Multiple Parathyroid Glands, Open Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G5Q3ZZ              | Destruction of Multiple Parathyroid Glands, Perc Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G5Q4ZZ              | Destruction of Mult Parathyroid, Perc Endo Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G5R0ZZ              | Destruction of Parathyroid Gland, Open Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G5R3ZZ              | Destruction of Parathyroid Gland, Percutaneous Approach    | 12                 | Therapeutic endoc         |
| 10                    | 0G5R4ZZ              | Destruction of Parathyroid Gland, Perc Endo Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G800ZZ              | Division of Pituitary Gland, Open Approach                 | 12                 | Therapeutic endoc         |
| 10                    | 0G803ZZ              | Division of Pituitary Gland, Percutaneous Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G804ZZ              | Division of Pituitary Gland, Perc Endo Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G8I0ZZ              | Division of Thyroid Gland Isthmus, Open Approach           | 12                 | Therapeutic endoc         |
| 10                    | 0G8I3ZZ              | Division of Thyroid Gland Isthmus, Percutaneous Approach   | 12                 | Therapeutic endoc         |
| 10                    | 0G8I4ZZ              | Division of Thyroid Gland Isthmus, Perc Endo Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G9000Z              | Drainage of Pituitary Gland with Drain Dev, Open Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9002Z              | Drainage of Pituitary Gland, Open Approach                 | 12                 | Therapeutic endoc         |
| 10                    | 0G9030Z              | Drainage of Pituitary Gland with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9032Z              | Drainage of Pituitary Gland, Percutaneous Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G9040Z              | Drain of Pituitary Gland with Drain Dev, Perc Endo Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9042Z              | Drainage of Pituitary Gland, Perc Endo Approach            | 12                 | Therapeutic endoc         |
| 10                    | 0G9100Z              | Drainage of Pineal Body with Drainage Device, Open Approa  | 12                 | Therapeutic endoc         |
| 10                    | 0G9102Z              | Drainage of Pineal Body, Open Approach                     | 12                 | Therapeutic endoc         |
| 10                    | 0G9130Z              | Drainage of Pineal Body with Drainage Device, Perc Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9132Z              | Drainage of Pineal Body, Percutaneous Approach             | 12                 | Therapeutic endoc         |
| 10                    | 0G9140Z              | Drainage of Pineal Body with Drain Dev, Perc Endo Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9142Z              | Drainage of Pineal Body, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9200Z              | Drainage of Left Adrenal Gland with Drain Dev, Open Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9202Z              | Drainage of Left Adrenal Gland, Open Approach              | 12                 | Therapeutic endoc         |
| 10                    | 0G9230Z              | Drainage of Left Adrenal Gland with Drain Dev, Perc Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9232Z              | Drainage of Left Adrenal Gland, Percutaneous Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G9240Z              | Drain of L Adrenal Gland with Drain Dev, Perc Endo Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9242Z              | Drainage of Left Adrenal Gland, Perc Endo Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G9300Z              | Drainage of R Adrenal Gland with Drain Dev, Open Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9302Z              | Drainage of Right Adrenal Gland, Open Approach             | 12                 | Therapeutic endoc         |
| 10                    | 0G9330Z              | Drainage of R Adrenal Gland with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9332Z              | Drainage of Right Adrenal Gland, Percutaneous Approach     | 12                 | Therapeutic endoc         |
| 10                    | 0G9340Z              | Drain of R Adrenal Gland with Drain Dev, Perc Endo Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9342Z              | Drainage of Right Adrenal Gland, Perc Endo Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G9400Z              | Drainage of Bi Adrenal Gland with Drain Dev, Open Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9402Z              | Drainage of Bilateral Adrenal Glands, Open Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G9430Z              | Drainage of Bi Adrenal Gland with Drain Dev, Perc Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9432Z              | Drainage of Bilateral Adrenal Glands, Percutaneous Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9440Z              | Drain of Bi Adrenal Gland with Drain Dev, Perc Endo Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9442Z              | Drainage of Bilateral Adrenal Glands, Perc Endo Approach   | 12                 | Therapeutic endoc         |
| 10                    | 0G9600Z              | Drainage of Left Carotid Body with Drain Dev, Open Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9602Z              | Drainage of Left Carotid Body, Open Approach               | 12                 | Therapeutic endoc         |
| 10                    | 0G9630Z              | Drainage of Left Carotid Body with Drain Dev, Perc Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9632Z              | Drainage of Left Carotid Body, Percutaneous Approach       | 12                 | Therapeutic endoc         |
| 10                    | 0G9640Z              | Drain of L Carotid Body with Drain Dev, Perc Endo Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9642Z              | Drainage of Left Carotid Body, Perc Endo Approach          | 12                 | Therapeutic endoc         |
| 10                    | 0G9700Z              | Drainage of Right Carotid Body with Drain Dev, Open Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9702Z              | Drainage of Right Carotid Body, Open Approach              | 12                 | Therapeutic endoc         |
| 10                    | 0G9730Z              | Drainage of Right Carotid Body with Drain Dev, Perc Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9732Z              | Drainage of Right Carotid Body, Percutaneous Approach      | 12                 | Therapeutic endoc         |
| 10                    | 0G9740Z              | Drain of R Carotid Body with Drain Dev, Perc Endo Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9742Z              | Drainage of Right Carotid Body, Perc Endo Approach         | 12                 | Therapeutic endoc         |
| 10                    | 0G9800Z              | Drainage of Bi Carotid Body with Drain Dev, Open Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9802Z              | Drainage of Bilateral Carotid Bodies, Open Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G9830Z              | Drainage of Bi Carotid Body with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc         |
| 10                    | 0G9832Z              | Drainage of Bilateral Carotid Bodies, Percutaneous Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9840Z              | Drain of Bi Carotid Body with Drain Dev, Perc Endo Approac | 12                 | Therapeutic endoc         |
| 10                    | 0G9842Z              | Drainage of Bilateral Carotid Bodies, Perc Endo Approach   | 12                 | Therapeutic endoc         |
| 10                    | 0G9900Z              | Drainage of Para-aortic Body with Drain Dev, Open Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9902Z              | Drainage of Para-aortic Body, Open Approach                | 12                 | Therapeutic endoc         |
| 10                    | 0G9930Z              | Drainage of Para-aortic Body with Drain Dev, Perc Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9932Z              | Drainage of Para-aortic Body, Percutaneous Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G9940Z              | Drain of Para-aortic Body with Drain Dev, Perc Endo Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9942Z              | Drainage of Para-aortic Body, Perc Endo Approach           | 12                 | Therapeutic endoc         |
| 10                    | 0G9B00Z              | Drainage of Coccygeal Glomus with Drain Dev, Open Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9B02Z              | Drainage of Coccygeal Glomus, Open Approach                | 12                 | Therapeutic endoc         |
| 10                    | 0G9B30Z              | Drainage of Coccygeal Glomus with Drain Dev, Perc Approach | 12                 | Therapeutic endoc         |
| 10                    | 0G9B32Z              | Drainage of Coccygeal Glomus, Percutaneous Approach        | 12                 | Therapeutic endoc         |
| 10                    | 0G9B40Z              | Drain of Coccygeal Glomus with Drain Dev, Perc Endo Approa | 12                 | Therapeutic endoc         |
| 10                    | 0G9B42Z              | Drainage of Coccygeal Glomus, Perc Endo Approach           | 12                 | Therapeutic endoc         |
| 10                    | 0G9C00Z              | Drainage of Glomus Jugulare with Drain Dev, Open Approach  | 12                 | Therapeutic endoc         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0G9C0ZZ              | Drainage of Glomus Jugulare, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0G9C30Z              | Drainage of Glomus Jugulare with Drain Dev, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0G9C3ZZ              | Drainage of Glomus Jugulare, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G9C40Z              | Drain of Glomus Jugulare with Drain Dev, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9C4ZZ              | Drainage of Glomus Jugulare, Perc Endo Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0G9D00Z              | Drainage of Aortic Body with Drainage Device, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9D0ZZ              | Drainage of Aortic Body, Open Approach                       | 12                 | Therapeutic endoc          |
| 10                    | 0G9D30Z              | Drainage of Aortic Body with Drainage Device, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9D3ZZ              | Drainage of Aortic Body, Percutaneous Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0G9D40Z              | Drainage of Aortic Body with Drain Dev, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9D4ZZ              | Drainage of Aortic Body, Percutaneous Endoscopic Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0G9F00Z              | Drain of Paraganglion Extrem with Drain Dev, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9F0ZZ              | Drainage of Paraganglion Extremity, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G9F30Z              | Drain of Paraganglion Extrem with Drain Dev, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9F3ZZ              | Drainage of Paraganglion Extremity, Percutaneous Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0G9F40Z              | Drain Paraganglion Extrem w Drain Dev, Perc Endo             | 12                 | Therapeutic endoc          |
| 10                    | 0G9F4ZZ              | Drainage of Paraganglion Extremity, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0G9G00Z              | Drainage of L Thyroid Lobe with Drain Dev, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G9G0ZZ              | Drainage of Left Thyroid Gland Lobe, Open Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G9G30Z              | Drainage of L Thyroid Lobe with Drain Dev, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G9G3ZZ              | Drainage of Left Thyroid Gland Lobe, Percutaneous Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9G40Z              | Drain of L Thyroid Lobe with Drain Dev, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9G4ZZ              | Drainage of Left Thyroid Gland Lobe, Perc Endo Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0G9H00Z              | Drainage of R Thyroid Lobe with Drain Dev, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G9H0ZZ              | Drainage of Right Thyroid Gland Lobe, Open Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G9H30Z              | Drainage of R Thyroid Lobe with Drain Dev, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G9H3ZZ              | Drainage of Right Thyroid Gland Lobe, Percutaneous Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9H40Z              | Drain of R Thyroid Lobe with Drain Dev, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9H4ZZ              | Drainage of Right Thyroid Gland Lobe, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G9K00Z              | Drainage of Thyroid Gland with Drain Dev, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0G9K0ZZ              | Drainage of Thyroid Gland, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | 0G9K30Z              | Drainage of Thyroid Gland with Drain Dev, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0G9K3ZZ              | Drainage of Thyroid Gland, Percutaneous Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0G9K40Z              | Drainage of Thyroid Gland with Drain Dev, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0G9K4ZZ              | Drainage of Thyroid Gland, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9L00Z              | Drainage of R Sup Parathyroid with Drain Dev, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9L0ZZ              | Drainage of Right Superior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9L30Z              | Drainage of R Sup Parathyroid with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9L3ZZ              | Drainage of Right Superior Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9L40Z              | Drain R Sup Parathyroid w Drain Dev, Perc Endo               | 12                 | Therapeutic endoc          |
| 10                    | 0G9L4ZZ              | Drainage of R Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G9M00Z              | Drainage of L Sup Parathyroid with Drain Dev, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9M0ZZ              | Drainage of Left Superior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9M30Z              | Drainage of L Sup Parathyroid with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9M3ZZ              | Drainage of Left Superior Parathyroid Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9M40Z              | Drain L Sup Parathyroid w Drain Dev, Perc Endo               | 12                 | Therapeutic endoc          |
| 10                    | 0G9M4ZZ              | Drainage of L Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G9N00Z              | Drainage of R Inf Parathyroid with Drain Dev, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9N0ZZ              | Drainage of Right Inferior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9N30Z              | Drainage of R Inf Parathyroid with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9N3ZZ              | Drainage of Right Inferior Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9N40Z              | Drain R Inf Parathyroid w Drain Dev, Perc Endo               | 12                 | Therapeutic endoc          |
| 10                    | 0G9N4ZZ              | Drainage of R Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G9P00Z              | Drainage of L Inf Parathyroid with Drain Dev, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9P0ZZ              | Drainage of Left Inferior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9P30Z              | Drainage of L Inf Parathyroid with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9P3ZZ              | Drainage of Left Inferior Parathyroid Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9P40Z              | Drain L Inf Parathyroid w Drain Dev, Perc Endo               | 12                 | Therapeutic endoc          |
| 10                    | 0G9P4ZZ              | Drainage of L Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q00Z              | Drainage of Mult Parathyroid with Drain Dev, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q0ZZ              | Drainage of Multiple Parathyroid Glands, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q30Z              | Drainage of Mult Parathyroid with Drain Dev, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q3ZZ              | Drainage of Multiple Parathyroid Glands, Perc Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q40Z              | Drain of Mult Parathyroid with Drain Dev, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0G9Q4ZZ              | Drainage of Multiple Parathyroid Glands, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9R00Z              | Drainage of Parathyroid Gland with Drain Dev, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9R0ZZ              | Drainage of Parathyroid Gland, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0G9R30Z              | Drainage of Parathyroid Gland with Drain Dev, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G9R3ZZ              | Drainage of Parathyroid Gland, Percutaneous Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0G9R40Z              | Drain Parathyroid Gland w Drain Dev, Perc Endo               | 12                 | Therapeutic endoc          |
| 10                    | 0G9R4ZZ              | Drainage of Parathyroid Gland, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G800ZZ              | Excision of Pituitary Gland, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0G803ZZ              | Excision of Pituitary Gland, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G804ZZ              | Excision of Pituitary Gland, Perc Endo Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0G810ZZ              | Excision of Pineal Body, Open Approach                       | 12                 | Therapeutic endoc          |
| 10                    | 0G813ZZ              | Excision of Pineal Body, Percutaneous Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0G814ZZ              | Excision of Pineal Body, Percutaneous Endoscopic Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0G820ZZ              | Excision of Left Adrenal Gland, Open Approach                | 12                 | Therapeutic endoc          |
| 10                    | 0G823ZZ              | Excision of Left Adrenal Gland, Percutaneous Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0G824ZZ              | Excision of Left Adrenal Gland, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G830ZZ              | Excision of Right Adrenal Gland, Open Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0G833ZZ              | Excision of Right Adrenal Gland, Percutaneous Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0G834ZZ              | Excision of Right Adrenal Gland, Perc Endo Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G840ZZ              | Excision of Bilateral Adrenal Glands, Open Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G843ZZ              | Excision of Bilateral Adrenal Glands, Percutaneous Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G844ZZ              | Excision of Bilateral Adrenal Glands, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G860ZZ              | Excision of Left Carotid Body, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0G863ZZ              | Excision of Left Carotid Body, Percutaneous Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0G864ZZ              | Excision of Left Carotid Body, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0G870ZZ              | Excision of Right Carotid Body, Open Approach                | 12                 | Therapeutic endoc          |
| 10                    | 0G873ZZ              | Excision of Right Carotid Body, Percutaneous Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0G874ZZ              | Excision of Right Carotid Body, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G880ZZ              | Excision of Bilateral Carotid Bodies, Open Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G883ZZ              | Excision of Bilateral Carotid Bodies, Percutaneous Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0G884ZZ              | Excision of Bilateral Carotid Bodies, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0G890ZZ              | Excision of Para-aortic Body, Open Approach                  | 12                 | Therapeutic endoc          |
| 10                    | 0G893ZZ              | Excision of Para-aortic Body, Percutaneous Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G894ZZ              | Excision of Para-aortic Body, Perc Endo Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0G880ZZ              | Excision of Coccygeal Glomus, Open Approach                  | 12                 | Therapeutic endoc          |
| 10                    | 0G883ZZ              | Excision of Coccygeal Glomus, Percutaneous Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0G884ZZ              | Excision of Coccygeal Glomus, Perc Endo Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0G8C0ZZ              | Excision of Glomus Jugulare, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0G8C3ZZ              | Excision of Glomus Jugulare, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0G8C4ZZ              | Excision of Glomus Jugulare, Perc Endo Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0G8D0ZZ              | Excision of Aortic Body, Open Approach                       | 12                 | Therapeutic endoc          |
| 10                    | 0G8D3ZZ              | Excision of Aortic Body, Percutaneous Approach               | 12                 | Therapeutic endoc          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0GBD4ZZ              | Excision of Aortic Body, Percutaneous Endoscopic Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GBF0ZZ              | Excision of Paraganglion Extremity, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GBF3ZZ              | Excision of Paraganglion Extremity, Percutaneous Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GBF4ZZ              | Excision of Paraganglion Extremity, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GBG0ZZ              | Excision of Left Thyroid Gland Lobe, Open Approach           | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBG3ZZ              | Excision of Left Thyroid Gland Lobe, Percutaneous Approach   | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBG4ZZ              | Excision of Left Thyroid Gland Lobe, Perc Endo Approach      | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBH0ZZ              | Excision of Right Thyroid Gland Lobe, Open Approach          | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBH3ZZ              | Excision of Right Thyroid Gland Lobe, Percutaneous Approach  | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBH4ZZ              | Excision of Right Thyroid Gland Lobe, Perc Endo Approach     | 10                 | Thyroidectomy; pa          |
| 10                    | 0GBL0ZZ              | Excision of Right Superior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GBL3ZZ              | Excision of Right Superior Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GBL4ZZ              | Excision of R Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GBM0ZZ              | Excision of Left Superior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GBM3ZZ              | Excision of Left Superior Parathyroid Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GBM4ZZ              | Excision of L Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GBN0ZZ              | Excision of Right Inferior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GBN3ZZ              | Excision of Right Inferior Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GBN4ZZ              | Excision of R Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GBP0ZZ              | Excision of Left Inferior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GBP3ZZ              | Excision of Left Inferior Parathyroid Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GBP4ZZ              | Excision of L Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GBQ0ZZ              | Excision of Multiple Parathyroid Glands, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GBQ3ZZ              | Excision of Multiple Parathyroid Glands, Perc Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GBQ4ZZ              | Excision of Multiple Parathyroid Glands, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GBR0ZZ              | Excision of Parathyroid Gland, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GBR3ZZ              | Excision of Parathyroid Gland, Percutaneous Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GBR4ZZ              | Excision of Parathyroid Gland, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GC00ZZ              | Extirpation of Matter from Pituitary Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC03ZZ              | Extirpation of Matter from Pituitary Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC04ZZ              | Extirpate of Matter from Pituitary Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC10ZZ              | Extirpation of Matter from Pineal Body, Open Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GC13ZZ              | Extirpation of Matter from Pineal Body, Perc Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GC14ZZ              | Extirpation of Matter from Pineal Body, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GC20ZZ              | Extirpation of Matter from Left Adrenal Gland, Open Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC23ZZ              | Extirpation of Matter from Left Adrenal Gland, Perc Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC24ZZ              | Extirpate of Matter from L Adrenal Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC30ZZ              | Extirpation of Matter from R Adrenal Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC33ZZ              | Extirpation of Matter from R Adrenal Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC34ZZ              | Extirpate of Matter from R Adrenal Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC40ZZ              | Extirpation of Matter from Bi Adrenal Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GC43ZZ              | Extirpation of Matter from Bi Adrenal Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GC44ZZ              | Extirpate matter from Bi Adrenal Gland, Perc Endo            | 12                 | Therapeutic endoc          |
| 10                    | 0GC60ZZ              | Extirpation of Matter from Left Carotid Body, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GC63ZZ              | Extirpation of Matter from Left Carotid Body, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GC64ZZ              | Extirpate of Matter from L Carotid Body, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GC70ZZ              | Extirpation of Matter from Right Carotid Body, Open Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC73ZZ              | Extirpation of Matter from Right Carotid Body, Perc Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC74ZZ              | Extirpate of Matter from R Carotid Body, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GC80ZZ              | Extirpation of Matter from Bi Carotid Body, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC83ZZ              | Extirpation of Matter from Bi Carotid Body, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GC84ZZ              | Extirpate of Matter from Bi Carotid Body, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GC90ZZ              | Extirpation of Matter from Para-aortic Body, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GC93ZZ              | Extirpation of Matter from Para-aortic Body, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GC94ZZ              | Extirpate matter from Para-aortic Body, Perc Endo            | 12                 | Therapeutic endoc          |
| 10                    | 0GCB0ZZ              | Extirpation of Matter from Coccygeal Glomus, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GCB3ZZ              | Extirpation of Matter from Coccygeal Glomus, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GCB4ZZ              | Extirpate matter from Coccygeal Glomus, Perc Endo            | 12                 | Therapeutic endoc          |
| 10                    | 0GCC0ZZ              | Extirpation of Matter from Glomus Jugulare, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GCC3ZZ              | Extirpation of Matter from Glomus Jugulare, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GCC4ZZ              | Extirpate of Matter from Glomus Jugulare, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GCD0ZZ              | Extirpation of Matter from Aortic Body, Open Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GCD3ZZ              | Extirpation of Matter from Aortic Body, Perc Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GCD4ZZ              | Extirpation of Matter from Aortic Body, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GCF0ZZ              | Extirpate of Matter from Paraganglion Extrem, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCF3ZZ              | Extirpate of Matter from Paraganglion Extrem, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCF4ZZ              | Extirpate matter from Paraganglion Extrem, Perc Endo         | 12                 | Therapeutic endoc          |
| 10                    | 0GCG0ZZ              | Extirpation of Matter from L Thyroid Lobe, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GCG3ZZ              | Extirpation of Matter from L Thyroid Lobe, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GCG4ZZ              | Extirpate of Matter from L Thyroid Lobe, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCH0ZZ              | Extirpation of Matter from R Thyroid Lobe, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GCH3ZZ              | Extirpation of Matter from R Thyroid Lobe, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GCH4ZZ              | Extirpate of Matter from R Thyroid Lobe, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCK0ZZ              | Extirpation of Matter from Thyroid Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GCK3ZZ              | Extirpation of Matter from Thyroid Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GCK4ZZ              | Extirpation of Matter from Thyroid Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GCL0ZZ              | Extirpation of Matter from R Sup Parathyroid, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCL3ZZ              | Extirpation of Matter from R Sup Parathyroid, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCL4ZZ              | Extirpate matter from R Sup Parathyroid, Perc Endo           | 12                 | Therapeutic endoc          |
| 10                    | 0GCM0ZZ              | Extirpation of Matter from L Sup Parathyroid, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCM3ZZ              | Extirpation of Matter from L Sup Parathyroid, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCM4ZZ              | Extirpate matter from L Sup Parathyroid, Perc Endo           | 12                 | Therapeutic endoc          |
| 10                    | 0GCN0ZZ              | Extirpation of Matter from R Inf Parathyroid, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCN3ZZ              | Extirpation of Matter from R Inf Parathyroid, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCN4ZZ              | Extirpate matter from R Inf Parathyroid, Perc Endo           | 12                 | Therapeutic endoc          |
| 10                    | 0GCP0ZZ              | Extirpation of Matter from L Inf Parathyroid, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCP3ZZ              | Extirpation of Matter from L Inf Parathyroid, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCP4ZZ              | Extirpate matter from L Inf Parathyroid, Perc Endo           | 12                 | Therapeutic endoc          |
| 10                    | 0GCO0ZZ              | Extirpation of Matter from Mult Parathyroid, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GCO3ZZ              | Extirpation of Matter from Mult Parathyroid, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GCO4ZZ              | Extirpate matter from Mult Parathyroid, Perc Endo            | 12                 | Therapeutic endoc          |
| 10                    | 0GCR0ZZ              | Extirpation of Matter from Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCR3ZZ              | Extirpation of Matter from Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GCR4ZZ              | Extirpate matter from Parathyroid Gland, Perc Endo           | 12                 | Therapeutic endoc          |
| 10                    | 0GHS03Z              | Insert of Infusion Dev into Endocrine Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GHS33Z              | Insert of Infusion Dev into Endocrine Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GHS43Z              | Insert Infusion Dev in Endocrine Gland, Perc Endo            | 12                 | Therapeutic endoc          |
| 10                    | 0GM20ZZ              | Reattachment of Left Adrenal Gland, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GM24ZZ              | Reattachment of Left Adrenal Gland, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GM30ZZ              | Reattachment of Right Adrenal Gland, Open Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GM34ZZ              | Reattachment of Right Adrenal Gland, Perc Endo Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GMG0ZZ              | Reattachment of Left Thyroid Gland Lobe, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GMG4ZZ              | Reattachment of Left Thyroid Gland Lobe, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GMH0ZZ              | Reattachment of Right Thyroid Gland Lobe, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GMH4ZZ              | Reattachment of Right Thyroid Gland Lobe, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GML0ZZ              | Reattachment of R Sup Parathyroid, Open Approach             | 12                 | Therapeutic endoc          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | OGML4ZZ              | Reattachment of R Sup Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGMM0ZZ              | Reattachment of L Sup Parathyroid, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGMM4ZZ              | Reattachment of L Sup Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGMN0ZZ              | Reattachment of R Inf Parathyroid, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGMN4ZZ              | Reattachment of R Inf Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGMP0ZZ              | Reattachment of L Inf Parathyroid, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGMP4ZZ              | Reattachment of L Inf Parathyroid, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGMQ0ZZ              | Reattachment of Multiple Parathyroid Glands, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGMQ4ZZ              | Reattachment of Mult Parathyroid, Perc Endo Approach        | 12                 | Therapeutic endoc          |
| 10                    | OGMR0ZZ              | Reattachment of Parathyroid Gland, Open Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGMR4ZZ              | Reattachment of Parathyroid Gland, Perc Endo Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGN00ZZ              | Release Pituitary Gland, Open Approach                      | 12                 | Therapeutic endoc          |
| 10                    | OGN03ZZ              | Release Pituitary Gland, Percutaneous Approach              | 12                 | Therapeutic endoc          |
| 10                    | OGN04ZZ              | Release Pituitary Gland, Percutaneous Endoscopic Approach   | 12                 | Therapeutic endoc          |
| 10                    | OGN10ZZ              | Release Pineal Body, Open Approach                          | 12                 | Therapeutic endoc          |
| 10                    | OGN13ZZ              | Release Pineal Body, Percutaneous Approach                  | 12                 | Therapeutic endoc          |
| 10                    | OGN14ZZ              | Release Pineal Body, Percutaneous Endoscopic Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGN20ZZ              | Release Left Adrenal Gland, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | OGN23ZZ              | Release Left Adrenal Gland, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | OGN24ZZ              | Release Left Adrenal Gland, Percutaneous Endoscopic Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGN30ZZ              | Release Right Adrenal Gland, Open Approach                  | 12                 | Therapeutic endoc          |
| 10                    | OGN33ZZ              | Release Right Adrenal Gland, Percutaneous Approach          | 12                 | Therapeutic endoc          |
| 10                    | OGN34ZZ              | Release Right Adrenal Gland, Perc Endo Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGN40ZZ              | Release Bilateral Adrenal Glands, Open Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGN43ZZ              | Release Bilateral Adrenal Glands, Percutaneous Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGN44ZZ              | Release Bilateral Adrenal Glands, Perc Endo Approach        | 12                 | Therapeutic endoc          |
| 10                    | OGN60ZZ              | Release Left Carotid Body, Open Approach                    | 12                 | Therapeutic endoc          |
| 10                    | OGN63ZZ              | Release Left Carotid Body, Percutaneous Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGN64ZZ              | Release Left Carotid Body, Percutaneous Endoscopic Approach | 12                 | Therapeutic endoc          |
| 10                    | OGN70ZZ              | Release Right Carotid Body, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | OGN73ZZ              | Release Right Carotid Body, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | OGN74ZZ              | Release Right Carotid Body, Percutaneous Endoscopic Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGN80ZZ              | Release Bilateral Carotid Bodies, Open Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGN83ZZ              | Release Bilateral Carotid Bodies, Percutaneous Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGN84ZZ              | Release Bilateral Carotid Bodies, Perc Endo Approach        | 12                 | Therapeutic endoc          |
| 10                    | OGN90ZZ              | Release Para-aortic Body, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | OGN93ZZ              | Release Para-aortic Body, Percutaneous Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGN94ZZ              | Release Para-aortic Body, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGNB0ZZ              | Release Coccygeal Glomus, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | OGNB3ZZ              | Release Coccygeal Glomus, Percutaneous Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGNB4ZZ              | Release Coccygeal Glomus, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGNC0ZZ              | Release Glomus Jugulare, Open Approach                      | 12                 | Therapeutic endoc          |
| 10                    | OGNC3ZZ              | Release Glomus Jugulare, Percutaneous Approach              | 12                 | Therapeutic endoc          |
| 10                    | OGNC4ZZ              | Release Glomus Jugulare, Percutaneous Endoscopic Approach   | 12                 | Therapeutic endoc          |
| 10                    | OGND0ZZ              | Release Aortic Body, Open Approach                          | 12                 | Therapeutic endoc          |
| 10                    | OGND3ZZ              | Release Aortic Body, Percutaneous Approach                  | 12                 | Therapeutic endoc          |
| 10                    | OGND4ZZ              | Release Aortic Body, Percutaneous Endoscopic Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGNF0ZZ              | Release Paraganglion Extremity, Open Approach               | 12                 | Therapeutic endoc          |
| 10                    | OGNF3ZZ              | Release Paraganglion Extremity, Percutaneous Approach       | 12                 | Therapeutic endoc          |
| 10                    | OGNF4ZZ              | Release Paraganglion Extremity, Perc Endo Approach          | 12                 | Therapeutic endoc          |
| 10                    | OGNG0ZZ              | Release Left Thyroid Gland Lobe, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | OGNG3ZZ              | Release Left Thyroid Gland Lobe, Percutaneous Approach      | 12                 | Therapeutic endoc          |
| 10                    | OGNG4ZZ              | Release Left Thyroid Gland Lobe, Perc Endo Approach         | 12                 | Therapeutic endoc          |
| 10                    | OGNH0ZZ              | Release Right Thyroid Gland Lobe, Open Approach             | 12                 | Therapeutic endoc          |
| 10                    | OGNH3ZZ              | Release Right Thyroid Gland Lobe, Percutaneous Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNH4ZZ              | Release Right Thyroid Gland Lobe, Perc Endo Approach        | 12                 | Therapeutic endoc          |
| 10                    | OGNK0ZZ              | Release Thyroid Gland, Open Approach                        | 12                 | Therapeutic endoc          |
| 10                    | OGNK3ZZ              | Release Thyroid Gland, Percutaneous Approach                | 12                 | Therapeutic endoc          |
| 10                    | OGNK4ZZ              | Release Thyroid Gland, Percutaneous Endoscopic Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNL0ZZ              | Release Right Superior Parathyroid Gland, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNL3ZZ              | Release Right Superior Parathyroid Gland, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNL4ZZ              | Release Right Superior Parathyroid Gland, Perc Endo Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGNM0ZZ              | Release Left Superior Parathyroid Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | OGNM3ZZ              | Release Left Superior Parathyroid Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | OGNM4ZZ              | Release Left Superior Parathyroid Gland, Perc Endo Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGNN0ZZ              | Release Right Inferior Parathyroid Gland, Open Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNN3ZZ              | Release Right Inferior Parathyroid Gland, Perc Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNN4ZZ              | Release Right Inferior Parathyroid Gland, Perc Endo Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGNP0ZZ              | Release Left Inferior Parathyroid Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | OGNP3ZZ              | Release Left Inferior Parathyroid Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | OGNP4ZZ              | Release Left Inferior Parathyroid Gland, Perc Endo Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGNQ0ZZ              | Release Multiple Parathyroid Glands, Open Approach          | 12                 | Therapeutic endoc          |
| 10                    | OGNQ3ZZ              | Release Multiple Parathyroid Glands, Percutaneous Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGNQ4ZZ              | Release Multiple Parathyroid Glands, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | OGNR0ZZ              | Release Parathyroid Gland, Open Approach                    | 12                 | Therapeutic endoc          |
| 10                    | OGNR3ZZ              | Release Parathyroid Gland, Percutaneous Approach            | 12                 | Therapeutic endoc          |
| 10                    | OGNR4ZZ              | Release Parathyroid Gland, Percutaneous Endoscopic Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGP000Z              | Removal of Drain Dev from Pituitary Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGP030Z              | Removal of Drain Dev from Pituitary Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGP040Z              | Remove of Drain Dev from Pituitary Gland, Perc Endo Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGP0X0Z              | Removal of Drain Dev from Pituitary Gland, Extern Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGP100Z              | Removal of Drainage Device from Pineal Body, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGP130Z              | Removal of Drainage Device from Pineal Body, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGP140Z              | Removal of Drain Dev from Pineal Body, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | OGP1X0Z              | Removal of Drainage Device from Pineal Body, Extern Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGP500Z              | Removal of Drainage Device from Adrenal Gland, Open Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGP530Z              | Removal of Drainage Device from Adrenal Gland, Perc Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGP540Z              | Removal of Drain Dev from Adrenal Gland, Perc Endo Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGP5X0Z              | Removal of Drain Dev from Adrenal Gland, Extern Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGPK00Z              | Removal of Drainage Device from Thyroid Gland, Open Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGPK30Z              | Removal of Drainage Device from Thyroid Gland, Perc Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGPK40Z              | Removal of Drain Dev from Thyroid Gland, Perc Endo Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGPKX0Z              | Removal of Drain Dev from Thyroid Gland, Extern Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGPR00Z              | Removal of Drain Dev from Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGPR30Z              | Removal of Drain Dev from Parathyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGPR40Z              | Remove Drain Dev from Parathyroid Gland, Perc Endo          | 12                 | Therapeutic endoc          |
| 10                    | OGPRX0Z              | Removal of Drain Dev from Parathyroid Gland, Extern Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGPS00Z              | Removal of Drain Dev from Endocrine Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGPS02Z              | Removal of Monitor Dev from Endocrine Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGPS03Z              | Removal of Infusion Dev from Endocrine Gland, Open Approac  | 12                 | Therapeutic endoc          |
| 10                    | OGPS30Z              | Removal of Drain Dev from Endocrine Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | OGPS32Z              | Removal of Monitor Dev from Endocrine Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | OGPS33Z              | Removal of Infusion Dev from Endocrine Gland, Perc Approach | 12                 | Therapeutic endoc          |
| 10                    | OGPS40Z              | Remove of Drain Dev from Endocrine Gland, Perc Endo Approa  | 12                 | Therapeutic endoc          |
| 10                    | OGPS42Z              | Remove Monitor Dev from Endocrine Gland, Perc Endo          | 12                 | Therapeutic endoc          |
| 10                    | OGPS43Z              | Remove Infusion Dev from Endocrine Gland, Perc Endo         | 12                 | Therapeutic endoc          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0GFSX0Z              | Removal of Drain Dev from Endocrine Gland, Extern Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GFSX2Z              | Removal of Monitor Dev from Endocrine Gland, Extern Approa  | 12                 | Therapeutic endoc          |
| 10                    | 0GFSX3Z              | Remove of Infusion Dev from Endocrine Gland, Extern Approa  | 12                 | Therapeutic endoc          |
| 10                    | 0GQ00Z               | Repair Pituitary Gland, Open Approach                       | 12                 | Therapeutic endoc          |
| 10                    | 0GQ03Z               | Repair Pituitary Gland, Percutaneous Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0GQ04Z               | Repair Pituitary Gland, Percutaneous Endoscopic Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GQ10Z               | Repair Pineal Body, Open Approach                           | 12                 | Therapeutic endoc          |
| 10                    | 0GQ13Z               | Repair Pineal Body, Percutaneous Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0GQ14Z               | Repair Pineal Body, Percutaneous Endoscopic Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GQ20Z               | Repair Left Adrenal Gland, Open Approach                    | 12                 | Therapeutic endoc          |
| 10                    | 0GQ23Z               | Repair Left Adrenal Gland, Percutaneous Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GQ24Z               | Repair Left Adrenal Gland, Percutaneous Endoscopic Approac  | 12                 | Therapeutic endoc          |
| 10                    | 0GQ30Z               | Repair Right Adrenal Gland, Open Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0GQ33Z               | Repair Right Adrenal Gland, Percutaneous Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GQ34Z               | Repair Right Adrenal Gland, Percutaneous Endoscopic Approa  | 12                 | Therapeutic endoc          |
| 10                    | 0GQ40Z               | Repair Bilateral Adrenal Glands, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GQ43Z               | Repair Bilateral Adrenal Glands, Percutaneous Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQ44Z               | Repair Bilateral Adrenal Glands, Perc Endo Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GQ60Z               | Repair Left Carotid Body, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | 0GQ63Z               | Repair Left Carotid Body, Percutaneous Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0GQ64Z               | Repair Left Carotid Body, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GQ70Z               | Repair Right Carotid Body, Open Approach                    | 12                 | Therapeutic endoc          |
| 10                    | 0GQ73Z               | Repair Right Carotid Body, Percutaneous Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GQ74Z               | Repair Right Carotid Body, Percutaneous Endoscopic Approac  | 12                 | Therapeutic endoc          |
| 10                    | 0GQ80Z               | Repair Bilateral Carotid Bodies, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GQ83Z               | Repair Bilateral Carotid Bodies, Percutaneous Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQ84Z               | Repair Bilateral Carotid Bodies, Perc Endo Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GQ90Z               | Repair Para-aortic Body, Open Approach                      | 12                 | Therapeutic endoc          |
| 10                    | 0GQ93Z               | Repair Para-aortic Body, Percutaneous Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GQ94Z               | Repair Para-aortic Body, Percutaneous Endoscopic Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GQ80Z               | Repair Coccygeal Glomus, Open Approach                      | 12                 | Therapeutic endoc          |
| 10                    | 0GQ83Z               | Repair Coccygeal Glomus, Percutaneous Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GQ84Z               | Repair Coccygeal Glomus, Percutaneous Endoscopic Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GQC0Z               | Repair Glomus Jugulare, Open Approach                       | 12                 | Therapeutic endoc          |
| 10                    | 0GQC3Z               | Repair Glomus Jugulare, Percutaneous Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0GQC4Z               | Repair Glomus Jugulare, Percutaneous Endoscopic Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GQD0Z               | Repair Aortic Body, Open Approach                           | 12                 | Therapeutic endoc          |
| 10                    | 0GQD3Z               | Repair Aortic Body, Percutaneous Approach                   | 12                 | Therapeutic endoc          |
| 10                    | 0GQD4Z               | Repair Aortic Body, Percutaneous Endoscopic Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GQF0Z               | Repair Paraganglion Extremity, Open Approach                | 12                 | Therapeutic endoc          |
| 10                    | 0GQF3Z               | Repair Paraganglion Extremity, Percutaneous Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GQF4Z               | Repair Paraganglion Extremity, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GQG0Z               | Repair Left Thyroid Gland Lobe, Open Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0GQG3Z               | Repair Left Thyroid Gland Lobe, Percutaneous Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GQG4Z               | Repair Left Thyroid Gland Lobe, Perc Endo Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0GQH0Z               | Repair Right Thyroid Gland Lobe, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GQH3Z               | Repair Right Thyroid Gland Lobe, Percutaneous Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQH4Z               | Repair Right Thyroid Gland Lobe, Perc Endo Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GQJ0Z               | Repair Thyroid Gland Isthmus, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GQJ3Z               | Repair Thyroid Gland Isthmus, Percutaneous Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GQJ4Z               | Repair Thyroid Gland Isthmus, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GQK0Z               | Repair Thyroid Gland, Open Approach                         | 12                 | Therapeutic endoc          |
| 10                    | 0GQK3Z               | Repair Thyroid Gland, Percutaneous Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GQK4Z               | Repair Thyroid Gland, Percutaneous Endoscopic Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQL0Z               | Repair Right Superior Parathyroid Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQL3Z               | Repair Right Superior Parathyroid Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQL4Z               | Repair Right Superior Parathyroid Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GQM0Z               | Repair Left Superior Parathyroid Gland, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GQM3Z               | Repair Left Superior Parathyroid Gland, Perc Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GQM4Z               | Repair Left Superior Parathyroid Gland, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GQN0Z               | Repair Right Inferior Parathyroid Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQN3Z               | Repair Right Inferior Parathyroid Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQN4Z               | Repair Right Inferior Parathyroid Gland, Perc Endo Approach | 12                 | Therapeutic endoc          |
| 10                    | 0GQP0Z               | Repair Left Inferior Parathyroid Gland, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GQP3Z               | Repair Left Inferior Parathyroid Gland, Perc Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GQP4Z               | Repair Left Inferior Parathyroid Gland, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GQQ0Z               | Repair Multiple Parathyroid Glands, Open Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GQQ3Z               | Repair Multiple Parathyroid Glands, Percutaneous Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GQQ4Z               | Repair Multiple Parathyroid Glands, Perc Endo Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GQR0Z               | Repair Parathyroid Gland, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | 0GQR3Z               | Repair Parathyroid Gland, Percutaneous Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0GQR4Z               | Repair Parathyroid Gland, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GS20Z               | Reposition Left Adrenal Gland, Open Approach                | 12                 | Therapeutic endoc          |
| 10                    | 0GS24Z               | Reposition Left Adrenal Gland, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GS30Z               | Reposition Right Adrenal Gland, Open Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0GS34Z               | Reposition Right Adrenal Gland, Perc Endo Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0GS60Z               | Reposition Left Thyroid Gland Lobe, Open Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GS64Z               | Reposition Left Thyroid Gland Lobe, Perc Endo Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GSH0Z               | Reposition Right Thyroid Gland Lobe, Open Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0GSH4Z               | Reposition Right Thyroid Gland Lobe, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GSL0Z               | Reposition Right Superior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GSL4Z               | Reposition R Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GSM0Z               | Reposition Left Superior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GSM4Z               | Reposition L Sup Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GSN0Z               | Reposition Right Inferior Parathyroid Gland, Open Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GSN4Z               | Reposition R Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GSP0Z               | Reposition Left Inferior Parathyroid Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GSP4Z               | Reposition L Inf Parathyroid, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GSQ0Z               | Reposition Multiple Parathyroid Glands, Open Approach       | 12                 | Therapeutic endoc          |
| 10                    | 0GSQ4Z               | Reposition Multiple Parathyroid Glands, Perc Endo Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GSR0Z               | Reposition Parathyroid Gland, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GSR4Z               | Reposition Parathyroid Gland, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GT00Z               | Resection of Pituitary Gland, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GT04Z               | Resection of Pituitary Gland, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GT10Z               | Resection of Pineal Body, Open Approach                     | 12                 | Therapeutic endoc          |
| 10                    | 0GT14Z               | Resection of Pineal Body, Percutaneous Endoscopic Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GT20Z               | Resection of Left Adrenal Gland, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GT24Z               | Resection of Left Adrenal Gland, Perc Endo Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GT30Z               | Resection of Right Adrenal Gland, Open Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0GT34Z               | Resection of Right Adrenal Gland, Perc Endo Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GT40Z               | Resection of Bilateral Adrenal Glands, Open Approach        | 12                 | Therapeutic endoc          |
| 10                    | 0GT44Z               | Resection of Bilateral Adrenal Glands, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GT60Z               | Resection of Left Carotid Body, Open Approach               | 12                 | Therapeutic endoc          |
| 10                    | 0GT64Z               | Resection of Left Carotid Body, Perc Endo Approach          | 12                 | Therapeutic endoc          |
| 10                    | 0GT70Z               | Resection of Right Carotid Body, Open Approach              | 12                 | Therapeutic endoc          |
| 10                    | 0GT74Z               | Resection of Right Carotid Body, Perc Endo Approach         | 12                 | Therapeutic endoc          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0GT80ZZ              | Resection of Bilateral Carotid Bodies, Open Approach         | 12                 | Therapeutic endoc          |
| 10                    | 0GT84ZZ              | Resection of Bilateral Carotid Bodies, Perc Endo Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GT90ZZ              | Resection of Para-aortic Body, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GT94ZZ              | Resection of Para-aortic Body, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GT80ZZ              | Resection of Coccygeal Glomus, Open Approach                 | 12                 | Therapeutic endoc          |
| 10                    | 0GT84ZZ              | Resection of Coccygeal Glomus, Perc Endo Approach            | 12                 | Therapeutic endoc          |
| 10                    | 0GTC0ZZ              | Resection of Glomus Jugulare, Open Approach                  | 12                 | Therapeutic endoc          |
| 10                    | 0GTC4ZZ              | Resection of Glomus Jugulare, Perc Endo Approach             | 12                 | Therapeutic endoc          |
| 10                    | 0GTD0ZZ              | Resection of Aortic Body, Open Approach                      | 12                 | Therapeutic endoc          |
| 10                    | 0GTD4ZZ              | Resection of Aortic Body, Percutaneous Endoscopic Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GTF0ZZ              | Resection of Paraganglion Extremity, Open Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GTF4ZZ              | Resection of Paraganglion Extremity, Perc Endo Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GTG0ZZ              | Resection of Left Thyroid Gland Lobe, Open Approach          | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTG4ZZ              | Resection of Left Thyroid Gland Lobe, Perc Endo Approach     | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTH0ZZ              | Resection of Right Thyroid Gland Lobe, Open Approach         | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTH4ZZ              | Resection of Right Thyroid Gland Lobe, Perc Endo Approach    | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTK0ZZ              | Resection of Thyroid Gland, Open Approach                    | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTK4ZZ              | Resection of Thyroid Gland, Percutaneous Endoscopic Approa   | 10                 | Thyroidectomy; pa          |
| 10                    | 0GTL0ZZ              | Resection of Right Superior Parathyroid Gland, Open Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0GTL4ZZ              | Resection of R Sup Parathyroid, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GTM0ZZ              | Resection of Left Superior Parathyroid Gland, Open Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GTM4ZZ              | Resection of L Sup Parathyroid, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GTO0ZZ              | Resection of Right Inferior Parathyroid Gland, Open Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0GTO4ZZ              | Resection of R Inf Parathyroid, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GTP0ZZ              | Resection of Left Inferior Parathyroid Gland, Open Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GTP4ZZ              | Resection of L Inf Parathyroid, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GTQ0ZZ              | Resection of Multiple Parathyroid Glands, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GTQ4ZZ              | Resection of Multiple Parathyroid Glands, Perc Endo Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0GTR0ZZ              | Resection of Parathyroid Gland, Open Approach                | 12                 | Therapeutic endoc          |
| 10                    | 0GTR4ZZ              | Resection of Parathyroid Gland, Perc Endo Approach           | 12                 | Therapeutic endoc          |
| 10                    | 0GW000Z              | Revision of Drain Dev in Pituitary Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GW030Z              | Revision of Drain Dev in Pituitary Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GW040Z              | Revision of Drain Dev in Pituitary Gland, Perc Endo Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0GW0X0Z              | Revision of Drain Dev in Pituitary Gland, Extern Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GW100Z              | Revision of Drainage Device in Pineal Body, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GW130Z              | Revision of Drainage Device in Pineal Body, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GW140Z              | Revision of Drain Dev in Pineal Body, Perc Endo Approach     | 12                 | Therapeutic endoc          |
| 10                    | 0GW1X0Z              | Revision of Drainage Device in Pineal Body, Extern Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GW500Z              | Revision of Drainage Device in Adrenal Gland, Open Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GW530Z              | Revision of Drainage Device in Adrenal Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GW540Z              | Revision of Drain Dev in Adrenal Gland, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GW5X0Z              | Revision of Drain Dev in Adrenal Gland, Extern Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GKW00Z              | Revision of Drainage Device in Thyroid Gland, Open Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GKW30Z              | Revision of Drainage Device in Thyroid Gland, Perc Approach  | 12                 | Therapeutic endoc          |
| 10                    | 0GKW40Z              | Revision of Drain Dev in Thyroid Gland, Perc Endo Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GKWX0Z              | Revision of Drain Dev in Thyroid Gland, Extern Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GWR00Z              | Revision of Drain Dev in Parathyroid Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GWR30Z              | Revision of Drain Dev in Parathyroid Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GWR40Z              | Revision of Drain Dev in Parathyroid Gland, Perc Endo Approa | 12                 | Therapeutic endoc          |
| 10                    | 0GWRX0Z              | Revision of Drain Dev in Parathyroid Gland, Extern Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GWS00Z              | Revision of Drain Dev in Endocrine Gland, Open Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GWS02Z              | Revision of Monitor Dev in Endocrine Gland, Open Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GWS03Z              | Revision of Infusion Dev in Endocrine Gland, Open Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GWS30Z              | Revision of Drain Dev in Endocrine Gland, Perc Approach      | 12                 | Therapeutic endoc          |
| 10                    | 0GWS32Z              | Revision of Monitor Dev in Endocrine Gland, Perc Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GWS33Z              | Revision of Infusion Dev in Endocrine Gland, Perc Approach   | 12                 | Therapeutic endoc          |
| 10                    | 0GWS40Z              | Revision of Drain Dev in Endocrine Gland, Perc Endo Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0GWS42Z              | Revision of Monitor Dev in Endocrine Gland, Perc Endo Approa | 12                 | Therapeutic endoc          |
| 10                    | 0GWS43Z              | Revision of Infusion Dev in Endocrine Gland, Perc Endo       | 12                 | Therapeutic endoc          |
| 10                    | 0GWSX0Z              | Revision of Drain Dev in Endocrine Gland, Extern Approach    | 12                 | Therapeutic endoc          |
| 10                    | 0GWSX2Z              | Revision of Monitor Dev in Endocrine Gland, Extern Approac   | 12                 | Therapeutic endoc          |
| 10                    | 0GWSX3Z              | Revision of Infusion Dev in Endocrine Gland, Extern Approa   | 12                 | Therapeutic endoc          |
| 10                    | 0HBOXZZ              | Excision of Scalp Skin, External Approach                    | 170                | Excision of skin           |
| 10                    | 0HB1XZZ              | Excision of Face Skin, External Approach                     | 170                | Excision of skin           |
| 10                    | 0HB4XZZ              | Excision of Neck Skin, External Approach                     | 170                | Excision of skin           |
| 10                    | 0HB5XZZ              | Excision of Chest Skin, External Approach                    | 170                | Excision of skin           |
| 10                    | 0HB6XZZ              | Excision of Back Skin, External Approach                     | 170                | Excision of skin           |
| 10                    | 0HB7XZZ              | Excision of Abdomen Skin, External Approach                  | 170                | Excision of skin           |
| 10                    | 0HB8XZZ              | Excision of Buttock Skin, External Approach                  | 170                | Excision of skin           |
| 10                    | 0HB9XZZ              | Excision of Perineum Skin, External Approach                 | 170                | Excision of skin           |
| 10                    | 0HBAZZ               | Excision of Genitalia Skin, External Approach                | 170                | Excision of skin           |
| 10                    | 0HBBXZZ              | Excision of Right Upper Arm Skin, External Approach          | 170                | Excision of skin           |
| 10                    | 0HBCXZZ              | Excision of Left Upper Arm Skin, External Approach           | 170                | Excision of skin           |
| 10                    | 0HBDXZZ              | Excision of Right Lower Arm Skin, External Approach          | 170                | Excision of skin           |
| 10                    | 0HBEKZZ              | Excision of Left Lower Arm Skin, External Approach           | 170                | Excision of skin           |
| 10                    | 0HBFXZZ              | Excision of Right Hand Skin, External Approach               | 170                | Excision of skin           |
| 10                    | 0HBGXZZ              | Excision of Left Hand Skin, External Approach                | 170                | Excision of skin           |
| 10                    | 0HBHXZZ              | Excision of Right Upper Leg Skin, External Approach          | 170                | Excision of skin           |
| 10                    | 0HBIXZZ              | Excision of Left Upper Leg Skin, External Approach           | 170                | Excision of skin           |
| 10                    | 0HBKXZZ              | Excision of Right Lower Leg Skin, External Approach          | 170                | Excision of skin           |
| 10                    | 0HBLXZZ              | Excision of Left Lower Leg Skin, External Approach           | 170                | Excision of skin           |
| 10                    | 0HBMXZZ              | Excision of Right Foot Skin, External Approach               | 170                | Excision of skin           |
| 10                    | 0HBNXZZ              | Excision of Left Foot Skin, External Approach                | 170                | Excision of skin           |
| 10                    | 0HBT0ZZ              | Excision of Right Breast, Open Approach                      | 166                | Lumpectomy; quadr          |
| 10                    | 0HBT3ZZ              | Excision of Right Breast, Percutaneous Approach              | 166                | Lumpectomy; quadr          |
| 10                    | 0HBT7ZZ              | Excision of Right Breast, Via Natural or Artificial Openin   | 166                | Lumpectomy; quadr          |
| 10                    | 0HBT8ZZ              | Excision of Right Breast, Endo                               | 166                | Lumpectomy; quadr          |
| 10                    | 0HBTXZZ              | Excision of Right Breast, External Approach                  | 166                | Lumpectomy; quadr          |
| 10                    | 0HBU0ZZ              | Excision of Left Breast, Open Approach                       | 166                | Lumpectomy; quadr          |
| 10                    | 0HBU3ZZ              | Excision of Left Breast, Percutaneous Approach               | 166                | Lumpectomy; quadr          |
| 10                    | 0HBU7ZZ              | Excision of Left Breast, Via Natural or Artificial Opening   | 166                | Lumpectomy; quadr          |
| 10                    | 0HBU8ZZ              | Excision of Left Breast, Endo                                | 166                | Lumpectomy; quadr          |
| 10                    | 0HBUXZZ              | Excision of Left Breast, External Approach                   | 166                | Lumpectomy; quadr          |
| 10                    | 0HBV0ZZ              | Excision of Bilateral Breast, Open Approach                  | 166                | Lumpectomy; quadr          |
| 10                    | 0HBV3ZZ              | Excision of Bilateral Breast, Percutaneous Approach          | 166                | Lumpectomy; quadr          |
| 10                    | 0HBV7ZZ              | Excision of Bilateral Breast, Via Opening                    | 166                | Lumpectomy; quadr          |
| 10                    | 0HBV8ZZ              | Excision of Bilateral Breast, Endo                           | 166                | Lumpectomy; quadr          |
| 10                    | 0HBVXZZ              | Excision of Bilateral Breast, External Approach              | 166                | Lumpectomy; quadr          |
| 10                    | 0HBVYZZ              | Excision of Supernumerary Breast, External Approach          | 166                | Lumpectomy; quadr          |
| 10                    | 0HHT01Z              | Insertion of Radioact Elem into R Breast, Open Approach      | 211                | Radiation therapy          |
| 10                    | 0HHT31Z              | Insertion of Radioact Elem into R Breast, Perc Approach      | 211                | Radiation therapy          |
| 10                    | 0HHT71Z              | Insertion of Radioactive Element into R Breast, Via Openin   | 211                | Radiation therapy          |
| 10                    | 0HHT81Z              | Insertion of Radioactive Element into Right Breast, Endo     | 211                | Radiation therapy          |
| 10                    | 0HHTX1Z              | Insertion of Radioact Elem into R Breast, Extern Approach    | 211                | Radiation therapy          |
| 10                    | 0HHU01Z              | Insertion of Radioact Elem into L Breast, Open Approach      | 211                | Radiation therapy          |
| 10                    | 0HHU31Z              | Insertion of Radioact Elem into L Breast, Perc Approach      | 211                | Radiation therapy          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | OHHU71Z              | Insertion of Radioactive Element into L Breast, Via Openin | 211                | Radiation therapy         |
| 10                    | OHHU81Z              | Insertion of Radioactive Element into Left Breast, Endo    | 211                | Radiation therapy         |
| 10                    | OHHUX1Z              | Insertion of Radioact Elem into L Breast, Extern Approach  | 211                | Radiation therapy         |
| 10                    | OHHV01Z              | Insertion of Radioact Elem into Bi Breast, Open Approach   | 211                | Radiation therapy         |
| 10                    | OHHV31Z              | Insertion of Radioact Elem into Bi Breast, Perc Approach   | 211                | Radiation therapy         |
| 10                    | OHHV71Z              | Insertion of Radioactive Element into Bi Breast, Via Openi | 211                | Radiation therapy         |
| 10                    | OHHV81Z              | Insertion of Radioactive Element into Bilateral Breast, En | 211                | Radiation therapy         |
| 10                    | OHHVX1Z              | Insertion of Radioact Elem into Bi Breast, Extern Approach | 211                | Radiation therapy         |
| 10                    | OHHW01Z              | Insertion of Radioact Elem into R Nipple, Open Approach    | 211                | Radiation therapy         |
| 10                    | OHHW31Z              | Insertion of Radioact Elem into R Nipple, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OHHW71Z              | Insertion of Radioactive Element into R Nipple, Via Openin | 211                | Radiation therapy         |
| 10                    | OHHW81Z              | Insertion of Radioactive Element into Right Nipple, Endo   | 211                | Radiation therapy         |
| 10                    | OHHWX1Z              | Insertion of Radioact Elem into R Nipple, Extern Approach  | 211                | Radiation therapy         |
| 10                    | OHHX01Z              | Insertion of Radioact Elem into L Nipple, Open Approach    | 211                | Radiation therapy         |
| 10                    | OHHX31Z              | Insertion of Radioact Elem into L Nipple, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OHHX71Z              | Insertion of Radioactive Element into L Nipple, Via Openin | 211                | Radiation therapy         |
| 10                    | OHHX81Z              | Insertion of Radioactive Element into Left Nipple, Endo    | 211                | Radiation therapy         |
| 10                    | OHHXX1Z              | Insertion of Radioact Elem into L Nipple, Extern Approach  | 211                | Radiation therapy         |
| 10                    | OHR0X73              | Replace Scalp Skin w Autol Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR0X74              | Replace Scalp Skin w Autol Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR0X13              | Replace Scalp Skin w Synth Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR0X14              | Replace Scalp Skin w Synth Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR0X1Z              | Replacement of Scalp Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | OHR0KK3              | Replace Scalp Skin w Nonaut Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR0KK4              | Replace Scalp Skin w Nonaut Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR1X73              | Replace Face Skin w Autol Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR1X74              | Replace Face Skin w Autol Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR1X13              | Replace Face Skin w Synth Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR1X14              | Replace Face Skin w Synth Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR1X1Z              | Replacement of Face Skin with Synth Sub, Extern Approach   | 172                | Skin graft                |
| 10                    | OHR1XK3              | Replace Face Skin w Nonaut Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR1XK4              | Replace Face Skin w Nonaut Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR2X73              | Replace R Ear Skin w Autol Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR2X74              | Replace R Ear Skin w Autol Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR2X13              | Replace R Ear Skin w Synth Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR2X14              | Replace R Ear Skin w Synth Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR2X1Z              | Replacement of R Ear Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | OHR2XK3              | Replace R Ear Skin w Nonaut Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR2XK4              | Replace R Ear Skin w Nonaut Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR3X73              | Replace L Ear Skin w Autol Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR3X74              | Replace L Ear Skin w Autol Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR3X13              | Replace L Ear Skin w Synth Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR3X14              | Replace L Ear Skin w Synth Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR3X1Z              | Replacement of Left Ear Skin with Synth Sub, Extern Approa | 172                | Skin graft                |
| 10                    | OHR3XK3              | Replace L Ear Skin w Nonaut Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR3XK4              | Replace L Ear Skin w Nonaut Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR4X73              | Replace Neck Skin w Autol Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR4X74              | Replace Neck Skin w Autol Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR4X13              | Replace Neck Skin w Synth Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR4X14              | Replace Neck Skin w Synth Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR4X1Z              | Replacement of Neck Skin with Synth Sub, Extern Approach   | 172                | Skin graft                |
| 10                    | OHR4XK3              | Replace Neck Skin w Nonaut Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR4XK4              | Replace Neck Skin w Nonaut Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR5X73              | Replace Chest Skin w Autol Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR5X74              | Replace Chest Skin w Autol Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR5X13              | Replace Chest Skin w Synth Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR5X14              | Replace Chest Skin w Synth Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR5X1Z              | Replacement of Chest Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | OHR5XK3              | Replace Chest Skin w Nonaut Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR5XK4              | Replace Chest Skin w Nonaut Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | OHR6X73              | Replace Back Skin w Autol Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR6X74              | Replace Back Skin w Autol Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR6X13              | Replace Back Skin w Synth Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR6X14              | Replace Back Skin w Synth Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR6X1Z              | Replacement of Back Skin with Synth Sub, Extern Approach   | 172                | Skin graft                |
| 10                    | OHR6XK3              | Replace Back Skin w Nonaut Sub, Full Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR6XK4              | Replace Back Skin w Nonaut Sub, Part Thick, Extern         | 172                | Skin graft                |
| 10                    | OHR7X73              | Replace Abd Skin w Autol Sub, Full Thick, Extern           | 172                | Skin graft                |
| 10                    | OHR7X74              | Replace Abd Skin w Autol Sub, Part Thick, Extern           | 172                | Skin graft                |
| 10                    | OHR7X13              | Replace Abd Skin w Synth Sub, Full Thick, Extern           | 172                | Skin graft                |
| 10                    | OHR7X14              | Replace Abd Skin w Synth Sub, Part Thick, Extern           | 172                | Skin graft                |
| 10                    | OHR7X1Z              | Replacement of Abdomen Skin with Synth Sub, Extern Approac | 172                | Skin graft                |
| 10                    | OHR7XK3              | Replace Abd Skin w Nonaut Sub, Full Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR7XK4              | Replace Abd Skin w Nonaut Sub, Part Thick, Extern          | 172                | Skin graft                |
| 10                    | OHR8X73              | Replace Buttock Skin w Autol Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | OHR8X74              | Replace Buttock Skin w Autol Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | OHR8X13              | Replace Buttock Skin w Synth Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | OHR8X14              | Replace Buttock Skin w Synth Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | OHR8X1Z              | Replacement of Buttock Skin with Synth Sub, Extern Approac | 172                | Skin graft                |
| 10                    | OHR8XK3              | Replace Buttock Skin w Nonaut Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR8XK4              | Replace Buttock Skin w Nonaut Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR9X73              | Replace Perineum Skin w Autol Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR9X74              | Replace Perineum Skin w Autol Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR9X13              | Replace Perineum Skin w Synth Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR9X14              | Replace Perineum Skin w Synth Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHR9X1Z              | Replacement of Perineum Skin with Synth Sub, Extern Approa | 172                | Skin graft                |
| 10                    | OHR9XK3              | Replace Perineum Skin w Nonaut Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | OHR9XK4              | Replace Perineum Skin w Nonaut Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRAX73              | Replace Genitalia Skin w Autol Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRAX74              | Replace Genitalia Skin w Autol Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRAX13              | Replace Genitalia Skin w Synth Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRAX14              | Replace Genitalia Skin w Synth Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRAX1Z              | Replace of Genitalia Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | OHRAXK3              | Replace Genitalia Skin w Nonaut Sub, Full Thick, Extern    | 172                | Skin graft                |
| 10                    | OHRAXK4              | Replace Genitalia Skin w Nonaut Sub, Part Thick, Extern    | 172                | Skin graft                |
| 10                    | OHRBX73              | Replace R Up Arm Skin w Autol Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRBX74              | Replace R Up Arm Skin w Autol Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRBX13              | Replace R Up Arm Skin w Synth Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRBX14              | Replace R Up Arm Skin w Synth Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRBX1Z              | Replacement of R Up Arm Skin with Synth Sub, Extern Approa | 172                | Skin graft                |
| 10                    | OHRBXK3              | Replace R Up Arm Skin w Nonaut Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRBXK4              | Replace R Up Arm Skin w Nonaut Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | OHRCX73              | Replace L Up Arm Skin w Autol Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRCX74              | Replace L Up Arm Skin w Autol Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRCX13              | Replace L Up Arm Skin w Synth Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | OHRCX14              | Replace L Up Arm Skin w Synth Sub, Part Thick, Extern      | 172                | Skin graft                |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0HRXCJZ              | Replacement of L Up Arm Skin with Synth Sub, Extern Appra  | 172                | Skin graft                |
| 10                    | 0HRCKK3              | Replace L Up Arm Skin w Nonaut Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRCKK4              | Replace L Up Arm Skin w Nonaut Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDX73              | Replace R Low Arm Skin w Autol Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDX74              | Replace R Low Arm Skin w Autol Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDXJ3              | Replace R Low Arm Skin w Synth Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDXJ4              | Replace R Low Arm Skin w Synth Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDXJZ              | Replace of R Low Arm Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | 0HRDXK3              | Replace R Low Arm Skin w Nonaut Sub, Full Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRDXK4              | Replace R Low Arm Skin w Nonaut Sub, Part Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRDX73              | Replace L Low Arm Skin w Autol Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRDX74              | Replace L Low Arm Skin w Autol Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HREXJ3              | Replace L Low Arm Skin w Synth Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HREXJ4              | Replace L Low Arm Skin w Synth Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HREXJZ              | Replace of L Low Arm Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | 0HREXK3              | Replace L Low Arm Skin w Nonaut Sub, Full Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HREXK4              | Replace L Low Arm Skin w Nonaut Sub, Part Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRFX73              | Replace R Hand Skin w Autol Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRFX74              | Replace R Hand Skin w Autol Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRFXJ3              | Replace R Hand Skin w Synth Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRFXJ4              | Replace R Hand Skin w Synth Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRFXJZ              | Replacement of R Hand Skin with Synth Sub, Extern Approach | 172                | Skin graft                |
| 10                    | 0HRFXK3              | Replace R Hand Skin w Nonaut Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRFXK4              | Replace R Hand Skin w Nonaut Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRGX73              | Replace L Hand Skin w Autol Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRGX74              | Replace L Hand Skin w Autol Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRGXJ3              | Replace L Hand Skin w Synth Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRGXJ4              | Replace L Hand Skin w Synth Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRGXJZ              | Replacement of L Hand Skin with Synth Sub, Extern Approach | 172                | Skin graft                |
| 10                    | 0HRGXK3              | Replace L Hand Skin w Nonaut Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRGXK4              | Replace L Hand Skin w Nonaut Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRHX73              | Replace R Up Leg Skin w Autol Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRHX74              | Replace R Up Leg Skin w Autol Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRHXJ3              | Replace R Up Leg Skin w Synth Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRHXJ4              | Replace R Up Leg Skin w Synth Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRHXJZ              | Replacement of R Up Leg Skin with Synth Sub, Extern Appra  | 172                | Skin graft                |
| 10                    | 0HRHXK3              | Replace R Up Leg Skin w Nonaut Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRHXK4              | Replace R Up Leg Skin w Nonaut Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRJX73              | Replace L Up Leg Skin w Autol Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRJX74              | Replace L Up Leg Skin w Autol Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRJXJ3              | Replace L Up Leg Skin w Synth Sub, Full Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRJXJ4              | Replace L Up Leg Skin w Synth Sub, Part Thick, Extern      | 172                | Skin graft                |
| 10                    | 0HRJXJZ              | Replacement of L Up Leg Skin with Synth Sub, Extern Appra  | 172                | Skin graft                |
| 10                    | 0HRJXK3              | Replace L Up Leg Skin w Nonaut Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRJXK4              | Replace L Up Leg Skin w Nonaut Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRKX73              | Replace R Low Leg Skin w Autol Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRKX74              | Replace R Low Leg Skin w Autol Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRKXJ3              | Replace R Low Leg Skin w Synth Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRKXJ4              | Replace R Low Leg Skin w Synth Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRKXJZ              | Replace of R Low Leg Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | 0HRKXK3              | Replace R Low Leg Skin w Nonaut Sub, Full Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRKXK4              | Replace R Low Leg Skin w Nonaut Sub, Part Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRLX73              | Replace L Low Leg Skin w Autol Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRLX74              | Replace L Low Leg Skin w Autol Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRLXJ3              | Replace L Low Leg Skin w Synth Sub, Full Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRLXJ4              | Replace L Low Leg Skin w Synth Sub, Part Thick, Extern     | 172                | Skin graft                |
| 10                    | 0HRLXJZ              | Replace of L Low Leg Skin with Synth Sub, Extern Approach  | 172                | Skin graft                |
| 10                    | 0HRLXK3              | Replace L Low Leg Skin w Nonaut Sub, Full Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRLXK4              | Replace L Low Leg Skin w Nonaut Sub, Part Thick, Extern    | 172                | Skin graft                |
| 10                    | 0HRMX73              | Replace R Foot Skin w Autol Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRMX74              | Replace R Foot Skin w Autol Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRMXJ3              | Replace R Foot Skin w Synth Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRMXJ4              | Replace R Foot Skin w Synth Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRMXJZ              | Replacement of R Foot Skin with Synth Sub, Extern Approach | 172                | Skin graft                |
| 10                    | 0HRMXK3              | Replace R Foot Skin w Nonaut Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRMXK4              | Replace R Foot Skin w Nonaut Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRNX73              | Replace L Foot Skin w Autol Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRNX74              | Replace L Foot Skin w Autol Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRNXJ3              | Replace L Foot Skin w Synth Sub, Full Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRNXJ4              | Replace L Foot Skin w Synth Sub, Part Thick, Extern        | 172                | Skin graft                |
| 10                    | 0HRNXJZ              | Replacement of L Foot Skin with Synth Sub, Extern Approach | 172                | Skin graft                |
| 10                    | 0HRNXK3              | Replace L Foot Skin w Nonaut Sub, Full Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HRNXK4              | Replace L Foot Skin w Nonaut Sub, Part Thick, Extern       | 172                | Skin graft                |
| 10                    | 0HTT0ZZ              | Resection of Right Breast, Open Approach                   | 167                | Mastectomy                |
| 10                    | 0HTU0ZZ              | Resection of Left Breast, Open Approach                    | 167                | Mastectomy                |
| 10                    | 0HTV0ZZ              | Resection of Bilateral Breast, Open Approach               | 167                | Mastectomy                |
| 10                    | 0HX0XZZ              | Transfer Scalp Skin, External Approach                     | 172                | Skin graft                |
| 10                    | 0HX1XZZ              | Transfer Face Skin, External Approach                      | 172                | Skin graft                |
| 10                    | 0HX2XZZ              | Transfer Right Ear Skin, External Approach                 | 172                | Skin graft                |
| 10                    | 0HX3XZZ              | Transfer Left Ear Skin, External Approach                  | 172                | Skin graft                |
| 10                    | 0HX4XZZ              | Transfer Neck Skin, External Approach                      | 172                | Skin graft                |
| 10                    | 0HX5XZZ              | Transfer Chest Skin, External Approach                     | 172                | Skin graft                |
| 10                    | 0HX6XZZ              | Transfer Back Skin, External Approach                      | 172                | Skin graft                |
| 10                    | 0HX7XZZ              | Transfer Abdomen Skin, External Approach                   | 172                | Skin graft                |
| 10                    | 0HX8XZZ              | Transfer Buttock Skin, External Approach                   | 172                | Skin graft                |
| 10                    | 0HX9XZZ              | Transfer Perineum Skin, External Approach                  | 172                | Skin graft                |
| 10                    | 0HXAXZZ              | Transfer Genitalia Skin, External Approach                 | 172                | Skin graft                |
| 10                    | 0HXBXZZ              | Transfer Right Upper Arm Skin, External Approach           | 172                | Skin graft                |
| 10                    | 0HXCXZZ              | Transfer Left Upper Arm Skin, External Approach            | 172                | Skin graft                |
| 10                    | 0HXDXZZ              | Transfer Right Lower Arm Skin, External Approach           | 172                | Skin graft                |
| 10                    | 0HXEXZZ              | Transfer Left Lower Arm Skin, External Approach            | 172                | Skin graft                |
| 10                    | 0HXFXZZ              | Transfer Right Hand Skin, External Approach                | 172                | Skin graft                |
| 10                    | 0HXGXZZ              | Transfer Left Hand Skin, External Approach                 | 172                | Skin graft                |
| 10                    | 0HXHXZZ              | Transfer Right Upper Leg Skin, External Approach           | 172                | Skin graft                |
| 10                    | 0HXIXZZ              | Transfer Left Upper Leg Skin, External Approach            | 172                | Skin graft                |
| 10                    | 0HXKXZZ              | Transfer Right Lower Leg Skin, External Approach           | 172                | Skin graft                |
| 10                    | 0HXLXZZ              | Transfer Left Lower Leg Skin, External Approach            | 172                | Skin graft                |
| 10                    | 0HXMXXZZ             | Transfer Right Foot Skin, External Approach                | 172                | Skin graft                |
| 10                    | 0HXNXZZ              | Transfer Left Foot Skin, External Approach                 | 172                | Skin graft                |
| 10                    | 0JH604Z              | Insert Pace, Singl Cham in Chest Subcu/Fascia, Open        | 48                 | Insertion; revisi         |
| 10                    | 0JH605Z              | Insert Pace, Singl Cham Rt Respn in Chest Subcu/Fascia, Op | 48                 | Insertion; revisi         |
| 10                    | 0JH606Z              | Insert Pace, Dual Cham in Chest Subcu/Fascia, Open         | 48                 | Insertion; revisi         |
| 10                    | 0JH607Z              | Insert Card Rsync Pace Puls Gen in Chest Subcu/Fascia, Ope | 48                 | Insertion; revisi         |
| 10                    | 0JH608Z              | Insert of Defib Gen into Chest Subcu/Fascia, Open Approach | 48                 | Insertion; revisi         |
| 10                    | 0JH609Z              | Insert Card Rsync Defib Puls Gen in Chest Subcu/Fascia, Op | 48                 | Insertion; revisi         |
| 10                    | 0JH60AZ              | Insert Contractil Mod Dev in Chest Subcu/Fascia, Open      | 48                 | Insertion; revisi         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0JH60BZ              | Insert Singl Array Stim Gen in Chest Subcu/Fascia, Open    | 9                  | Other OR therapeu         |
| 10                    | 0JH60CZ              | Insert Singl Array Rchg Stim Gen in Chest Subcu/Fascia, Op | 9                  | Other OR therapeu         |
| 10                    | 0JH60DZ              | Insert Mult Array Stim Gen in Chest Subcu/Fascia, Open     | 9                  | Other OR therapeu         |
| 10                    | 0JH60EZ              | Insert Mult Array Rchg Stim Gen in Chest Subcu/Fascia, Op  | 9                  | Other OR therapeu         |
| 10                    | 0JH60MZ              | Insertion of Stim Gen into Chest Subcu/Fascia, Open Appro  | 9                  | Other OR therapeu         |
| 10                    | 0JH60PZ              | Insert Card Rhythm Dev in Chest Subcu/Fascia, Open         | 48                 | Insertion; revisi         |
| 10                    | 0JH634Z              | Insert Pace, Singl Cham in Chest Subcu/Fascia, Perc        | 48                 | Insertion; revisi         |
| 10                    | 0JH635Z              | Insert Pace, Singl Cham Rt Respn in Chest Subcu/Fascia, Pe | 48                 | Insertion; revisi         |
| 10                    | 0JH636Z              | Insert Pace. Dual Cham in Chest Subcu/Fascia, Perc         | 48                 | Insertion; revisi         |
| 10                    | 0JH637Z              | Insert Card Rsync Pace Puls Gen in Chest Subcu/Fascia, Per | 48                 | Insertion; revisi         |
| 10                    | 0JH638Z              | Insert of Defib Gen into Chest Subcu/Fascia, Perc Approach | 48                 | Insertion; revisi         |
| 10                    | 0JH639Z              | Insert Card Rsync Defib Puls Gen in Chest Subcu/Fascia, Pe | 48                 | Insertion; revisi         |
| 10                    | 0JH63AZ              | Insert Contractil Mod Dev in Chest Subcu/Fascia, Perc      | 48                 | Insertion; revisi         |
| 10                    | 0JH63BZ              | Insert Singl Array Stim Gen in Chest Subcu/Fascia, Perc    | 9                  | Other OR therapeu         |
| 10                    | 0JH63CZ              | Insert Singl Array Rchg Stim Gen in Chest Subcu/Fascia, Pe | 9                  | Other OR therapeu         |
| 10                    | 0JH63DZ              | Insert Mult Array Stim Gen in Chest Subcu/Fascia, Perc     | 9                  | Other OR therapeu         |
| 10                    | 0JH63EZ              | Insert Mult Array Rchg Stim Gen in Chest Subcu/Fascia, Pe  | 9                  | Other OR therapeu         |
| 10                    | 0JH63MZ              | Insertion of Stim Gen into Chest Subcu/Fascia, Perc Approa | 9                  | Other OR therapeu         |
| 10                    | 0JH63PZ              | Insert Card Rhythm Dev in Chest Subcu/Fascia, Perc         | 48                 | Insertion; revisi         |
| 10                    | 0JH70BZ              | Insert Singl Array Stim Gen in Back Subcu/Fascia, Open     | 9                  | Other OR therapeu         |
| 10                    | 0JH70CZ              | Insert Singl Array Rchg Stim Gen in Back Subcu/Fascia, Ope | 9                  | Other OR therapeu         |
| 10                    | 0JH70DZ              | Insert Mult Array Stim Gen in Back Subcu/Fascia, Open      | 9                  | Other OR therapeu         |
| 10                    | 0JH70EZ              | Insert Mult Array Rchg Stim Gen in Back Subcu/Fascia, Ope  | 9                  | Other OR therapeu         |
| 10                    | 0JH70MZ              | Insertion of Stim Gen into Back Subcu/Fascia, Open Approac | 9                  | Other OR therapeu         |
| 10                    | 0JH73BZ              | Insert Singl Array Stim Gen in Back Subcu/Fascia, Perc     | 9                  | Other OR therapeu         |
| 10                    | 0JH73CZ              | Insert Singl Array Rchg Stim Gen in Back Subcu/Fascia, Per | 9                  | Other OR therapeu         |
| 10                    | 0JH73DZ              | Insert Mult Array Stim Gen in Back Subcu/Fascia, Perc      | 9                  | Other OR therapeu         |
| 10                    | 0JH73EZ              | Insert Mult Array Rchg Stim Gen in Back Subcu/Fascia, Per  | 9                  | Other OR therapeu         |
| 10                    | 0JH73MZ              | Insertion of Stim Gen into Back Subcu/Fascia, Perc Approac | 9                  | Other OR therapeu         |
| 10                    | 0JH804Z              | Insert Pace, Singl Cham in Abd Subcu/Fascia, Open          | 48                 | Insertion; revisi         |
| 10                    | 0JH805Z              | Insert Pace, Singl Cham Rt Respn in Abd Subcu/Fascia, Open | 48                 | Insertion; revisi         |
| 10                    | 0JH806Z              | Insert Pace. Dual Cham in Abd Subcu/Fascia, Open           | 48                 | Insertion; revisi         |
| 10                    | 0JH807Z              | Insert Card Rsync Pace Puls Gen in Abd Subcu/Fascia, Open  | 48                 | Insertion; revisi         |
| 10                    | 0JH808Z              | Insertion of Defib Gen into Abd Subcu/Fascia, Open Approac | 48                 | Insertion; revisi         |
| 10                    | 0JH809Z              | Insert Card Rsync Defib Puls Gen in Abd Subcu/Fascia, Open | 48                 | Insertion; revisi         |
| 10                    | 0JH80AZ              | Insert Contractil Mod Dev in Abd Subcu/Fascia, Open        | 48                 | Insertion; revisi         |
| 10                    | 0JH80BZ              | Insert Singl Array Stim Gen in Abd Subcu/Fascia, Open      | 9                  | Other OR therapeu         |
| 10                    | 0JH80CZ              | Insert Singl Array Rchg Stim Gen in Abd Subcu/Fascia, Open | 9                  | Other OR therapeu         |
| 10                    | 0JH80DZ              | Insert Mult Array Stim Gen in Abd Subcu/Fascia, Open       | 9                  | Other OR therapeu         |
| 10                    | 0JH80EZ              | Insert Mult Array Rchg Stim Gen in Abd Subcu/Fascia, Open  | 9                  | Other OR therapeu         |
| 10                    | 0JH80MZ              | Insertion of Stim Gen into Abd Subcu/Fascia, Open Approach | 9                  | Other OR therapeu         |
| 10                    | 0JH80PZ              | Insert Card Rhythm Dev in Abd Subcu/Fascia, Open           | 48                 | Insertion; revisi         |
| 10                    | 0JH834Z              | Insert Pace, Singl Cham in Abd Subcu/Fascia, Perc          | 48                 | Insertion; revisi         |
| 10                    | 0JH835Z              | Insert Pace, Singl Cham Rt Respn in Abd Subcu/Fascia, Perc | 48                 | Insertion; revisi         |
| 10                    | 0JH836Z              | Insert Pace. Dual Cham in Abd Subcu/Fascia, Perc           | 48                 | Insertion; revisi         |
| 10                    | 0JH837Z              | Insert Card Rsync Pace Puls Gen in Abd Subcu/Fascia, Perc  | 48                 | Insertion; revisi         |
| 10                    | 0JH838Z              | Insertion of Defib Gen into Abd Subcu/Fascia, Perc Approac | 48                 | Insertion; revisi         |
| 10                    | 0JH839Z              | Insert Card Rsync Defib Puls Gen in Abd Subcu/Fascia, Perc | 48                 | Insertion; revisi         |
| 10                    | 0JH83AZ              | Insert Contractil Mod Dev in Abd Subcu/Fascia, Perc        | 48                 | Insertion; revisi         |
| 10                    | 0JH83BZ              | Insert Singl Array Stim Gen in Abd Subcu/Fascia, Perc      | 9                  | Other OR therapeu         |
| 10                    | 0JH83CZ              | Insert Singl Array Rchg Stim Gen in Abd Subcu/Fascia, Perc | 9                  | Other OR therapeu         |
| 10                    | 0JH83DZ              | Insert Mult Array Stim Gen in Abd Subcu/Fascia, Perc       | 9                  | Other OR therapeu         |
| 10                    | 0JH83EZ              | Insert Mult Array Rchg Stim Gen in Abd Subcu/Fascia, Perc  | 9                  | Other OR therapeu         |
| 10                    | 0JH83MZ              | Insertion of Stim Gen into Abd Subcu/Fascia, Perc Approach | 9                  | Other OR therapeu         |
| 10                    | 0JH83PZ              | Insert Card Rhythm Dev in Abd Subcu/Fascia, Perc           | 48                 | Insertion; revisi         |
| 10                    | 0JH501Z              | Insert Radioact Elem in Head & Neck Subcu/Fascia, Open     | 211                | Radiation therapy         |
| 10                    | 0JH531Z              | Insert Radioact Elem in Head & Neck Subcu/Fascia, Perc     | 211                | Radiation therapy         |
| 10                    | 0JHT01Z              | Insert Radioact Elem in Trunk Subcu/Fascia, Open           | 211                | Radiation therapy         |
| 10                    | 0JHT31Z              | Insert Radioact Elem in Trunk Subcu/Fascia, Perc           | 211                | Radiation therapy         |
| 10                    | 0JHW01Z              | Insert Radioact Elem in Up Extrem Subcu/Fascia, Open       | 211                | Radiation therapy         |
| 10                    | 0JHW31Z              | Insert Radioact Elem in Up Extrem Subcu/Fascia, Perc       | 211                | Radiation therapy         |
| 10                    | 0JHW01Z              | Insert Radioact Elem in Low Extrem Subcu/Fascia, Open      | 211                | Radiation therapy         |
| 10                    | 0JHW31Z              | Insert Radioact Elem in Low Extrem Subcu/Fascia, Perc      | 211                | Radiation therapy         |
| 10                    | 0JPT0PZ              | Remove Card Rhythm Dev from Trunk Subcu/Fascia, Open       | 48                 | Insertion; revisi         |
| 10                    | 0JPT3PZ              | Remove Card Rhythm Dev from Trunk Subcu/Fascia, Perc       | 48                 | Insertion; revisi         |
| 10                    | 0JW0TMZ              | Revision of Stim Gen in Trunk Subcu/Fascia, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 0JW0TPZ              | Revise Card Rhythm Dev in Trunk Subcu/Fascia, Open         | 48                 | Insertion; revisi         |
| 10                    | 0JW3TMZ              | Revision of Stim Gen in Trunk Subcu/Fascia, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 0JW3TPZ              | Revise Card Rhythm Dev in Trunk Subcu/Fascia, Perc         | 48                 | Insertion; revisi         |
| 10                    | 0K900ZX              | Drainage of Head Muscle, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0K903ZX              | Drainage of Head Muscle, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0K904ZX              | Drainage of Head Muscle, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0K910ZX              | Drainage of Facial Muscle, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0K913ZX              | Drainage of Facial Muscle, Percutaneous Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0K914ZX              | Drainage of Facial Muscle, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0K920ZX              | Drainage of Right Neck Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0K923ZX              | Drainage of Right Neck Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K924ZX              | Drainage of Right Neck Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K930ZX              | Drainage of Left Neck Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0K933ZX              | Drainage of Left Neck Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K934ZX              | Drainage of Left Neck Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K940ZX              | Drainage of Tongue/Palate/Phar Muscle, Open Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K943ZX              | Drainage of Tongue/Palate/Phar Muscle, Perc Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K944ZX              | Drain Tongue/Palate/Phar Muscle, Perc Endo, Diagn          | 159                | Other diagnostic          |
| 10                    | 0K950ZX              | Drainage of Right Shoulder Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0K953ZX              | Drainage of Right Shoulder Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K954ZX              | Drainage of Right Shoulder Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K960ZX              | Drainage of Left Shoulder Muscle, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0K963ZX              | Drainage of Left Shoulder Muscle, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K964ZX              | Drainage of Left Shoulder Muscle, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K970ZX              | Drainage of Right Upper Arm Muscle, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K973ZX              | Drainage of Right Upper Arm Muscle, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K974ZX              | Drainage of R Up Arm Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K980ZX              | Drainage of Left Upper Arm Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0K983ZX              | Drainage of Left Upper Arm Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K984ZX              | Drainage of Left Upper Arm Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K990ZX              | Drainage of R Low Arm & Wrist Muscle, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K993ZX              | Drainage of R Low Arm & Wrist Muscle, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K994ZX              | Drain of R Low Arm & Wrist Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K980ZX              | Drainage of L Low Arm & Wrist Muscle, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K983ZX              | Drainage of L Low Arm & Wrist Muscle, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K984ZX              | Drain of L Low Arm & Wrist Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K9C0ZX              | Drainage of Right Hand Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0K9C3ZX              | Drainage of Right Hand Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K9C4ZX              | Drainage of Right Hand Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9D0ZX              | Drainage of Left Hand Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0K9D3ZX              | Drainage of Left Hand Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K9D4ZX              | Drainage of Left Hand Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K9F0ZX              | Drainage of Right Trunk Muscle, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0K9F3ZX              | Drainage of Right Trunk Muscle, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K9F4ZX              | Drainage of Right Trunk Muscle, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0K9G0ZX              | Drainage of Left Trunk Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0K9G3ZX              | Drainage of Left Trunk Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K9G4ZX              | Drainage of Left Trunk Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9H0ZX              | Drainage of Right Thorax Muscle, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0K9H3ZX              | Drainage of Right Thorax Muscle, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0K9H4ZX              | Drainage of Right Thorax Muscle, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K9I0ZX              | Drainage of Left Thorax Muscle, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0K9I3ZX              | Drainage of Left Thorax Muscle, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K9I4ZX              | Drainage of Left Thorax Muscle, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0K9K0ZX              | Drainage of Right Abdomen Muscle, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0K9K3ZX              | Drainage of Right Abdomen Muscle, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K9K4ZX              | Drainage of Right Abdomen Muscle, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K9L0ZX              | Drainage of Left Abdomen Muscle, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0K9L3ZX              | Drainage of Left Abdomen Muscle, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0K9L4ZX              | Drainage of Left Abdomen Muscle, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K9M0ZX              | Drainage of Perineum Muscle, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0K9M3ZX              | Drainage of Perineum Muscle, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0K9M4ZX              | Drainage of Perineum Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K9N0ZX              | Drainage of Right Hip Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0K9N3ZX              | Drainage of Right Hip Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K9N4ZX              | Drainage of Right Hip Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K9P0ZX              | Drainage of Left Hip Muscle, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0K9P3ZX              | Drainage of Left Hip Muscle, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0K9P4ZX              | Drainage of Left Hip Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K9Q0ZX              | Drainage of Right Upper Leg Muscle, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9Q3ZX              | Drainage of Right Upper Leg Muscle, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9Q4ZX              | Drainage of R Up Leg Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0K9R0ZX              | Drainage of Left Upper Leg Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0K9R3ZX              | Drainage of Left Upper Leg Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K9R4ZX              | Drainage of Left Upper Leg Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K9S0ZX              | Drainage of Right Lower Leg Muscle, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9S3ZX              | Drainage of Right Lower Leg Muscle, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9S4ZX              | Drainage of R Low Leg Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K9T0ZX              | Drainage of Left Lower Leg Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0K9T3ZX              | Drainage of Left Lower Leg Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0K9T4ZX              | Drainage of Left Lower Leg Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0K9V0ZX              | Drainage of Right Foot Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0K9V3ZX              | Drainage of Right Foot Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0K9V4ZX              | Drainage of Right Foot Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0K9W0ZX              | Drainage of Left Foot Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0K9W3ZX              | Drainage of Left Foot Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0K9W4ZX              | Drainage of Left Foot Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0KB00ZX              | Excision of Head Muscle, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0KB03ZX              | Excision of Head Muscle, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0KB04ZX              | Excision of Head Muscle, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0KB10ZX              | Excision of Facial Muscle, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0KB13ZX              | Excision of Facial Muscle, Percutaneous Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0KB14ZX              | Excision of Facial Muscle, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0KB20ZX              | Excision of Right Neck Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0KB23ZX              | Excision of Right Neck Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KB24ZX              | Excision of Right Neck Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0KB30ZX              | Excision of Left Neck Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0KB33ZX              | Excision of Left Neck Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KB34ZX              | Excision of Left Neck Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0KB40ZX              | Excision of Tongue/Palate/Phar Muscle, Open Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KB43ZX              | Excision of Tongue/Palate/Phar Muscle, Perc Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KB44ZX              | Excise Tongue/Palate/Phar Muscle, Perc Endo, Diagn         | 159                | Other diagnostic          |
| 10                    | 0KB50ZX              | Excision of Right Shoulder Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0KB53ZX              | Excision of Right Shoulder Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0KB54ZX              | Excision of Right Shoulder Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0KB60ZX              | Excision of Left Shoulder Muscle, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0KB63ZX              | Excision of Left Shoulder Muscle, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0KB64ZX              | Excision of Left Shoulder Muscle, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KB70ZX              | Excision of Right Upper Arm Muscle, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0KB73ZX              | Excision of Right Upper Arm Muscle, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0KB74ZX              | Excision of R Up Arm Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0KB80ZX              | Excision of Left Upper Arm Muscle, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0KB83ZX              | Excision of Left Upper Arm Muscle, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0KB84ZX              | Excision of Left Upper Arm Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0KB90ZX              | Excision of R Low Arm & Wrist Muscle, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KB93ZX              | Excision of R Low Arm & Wrist Muscle, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KB94ZX              | Excise R Low Arm & Wrist Muscle, Perc Endo, Diagn          | 159                | Other diagnostic          |
| 10                    | 0KBB0ZX              | Excision of L Low Arm & Wrist Muscle, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KBB3ZX              | Excision of L Low Arm & Wrist Muscle, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KBB4ZX              | Excise L Low Arm & Wrist Muscle, Perc Endo, Diagn          | 159                | Other diagnostic          |
| 10                    | 0KBC0ZX              | Excision of Right Hand Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0KBC3ZX              | Excision of Right Hand Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KBC4ZX              | Excision of Right Hand Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0KBD0ZX              | Excision of Left Hand Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0KBD3ZX              | Excision of Left Hand Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KBD4ZX              | Excision of Left Hand Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0KBF0ZX              | Excision of Right Trunk Muscle, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0KBF3ZX              | Excision of Right Trunk Muscle, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0KBF4ZX              | Excision of Right Trunk Muscle, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0KBG0ZX              | Excision of Left Trunk Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0KBG3ZX              | Excision of Left Trunk Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KBG4ZX              | Excision of Left Trunk Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0KBH0ZX              | Excision of Right Thorax Muscle, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0KBH3ZX              | Excision of Right Thorax Muscle, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0KBH4ZX              | Excision of Right Thorax Muscle, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KBI0ZX              | Excision of Left Thorax Muscle, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0KBI3ZX              | Excision of Left Thorax Muscle, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0KBI4ZX              | Excision of Left Thorax Muscle, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0KBK0ZX              | Excision of Right Abdomen Muscle, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0KBK3ZX              | Excision of Right Abdomen Muscle, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0KBK4ZX              | Excision of Right Abdomen Muscle, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0KBL0ZX              | Excision of Left Abdomen Muscle, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0KBL3ZX              | Excision of Left Abdomen Muscle, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0KBL4ZX              | Excision of Left Abdomen Muscle, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0KBM0ZX              | Excision of Perineum Muscle, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0KBM3ZX              | Excision of Perineum Muscle, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0KBM4ZX              | Excision of Perineum Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0KBN0ZX              | Excision of Right Hip Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0KBN3ZX              | Excision of Right Hip Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0KBN4ZX              | Excision of Right Hip Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0KBP0ZX              | Excision of Left Hip Muscle, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0KBP3ZX              | Excision of Left Hip Muscle, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0KBP4ZX              | Excision of Left Hip Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0KBQ0ZX              | Excision of Right Upper Leg Muscle, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0KBQ3ZX              | Excision of Right Upper Leg Muscle, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0KBQ4ZX              | Excision of R Up Leg Muscle, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0KBR0ZX              | Excision of Left Upper Leg Muscle, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0KBR3ZX              | Excision of Left Upper Leg Muscle, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0KBR4ZX              | Excision of Left Upper Leg Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0KBS0ZX              | Excision of Right Lower Leg Muscle, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0KBS3ZX              | Excision of Right Lower Leg Muscle, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0KBS4ZX              | Excision of R Low Leg Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0KBT0ZX              | Excision of Left Lower Leg Muscle, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0KBT3ZX              | Excision of Left Lower Leg Muscle, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0KBT4ZX              | Excision of Left Lower Leg Muscle, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0KBV0ZX              | Excision of Right Foot Muscle, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0KBV3ZX              | Excision of Right Foot Muscle, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0KBV4ZX              | Excision of Right Foot Muscle, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0KBW0ZX              | Excision of Left Foot Muscle, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0KBW3ZX              | Excision of Left Foot Muscle, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0KBW4ZX              | Excision of Left Foot Muscle, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0KJX0ZZ              | Inspection of Upper Muscle, Open Approach                  | 159                | Other diagnostic           |
| 10                    | 0KJX3ZZ              | Inspection of Upper Muscle, Percutaneous Approach          | 159                | Other diagnostic           |
| 10                    | 0KJX4ZZ              | Inspection of Upper Muscle, Percutaneous Endoscopic Approa | 159                | Other diagnostic           |
| 10                    | 0KJXZZZ              | Inspection of Upper Muscle, External Approach              | 159                | Other diagnostic           |
| 10                    | 0KJY0ZZ              | Inspection of Lower Muscle, Open Approach                  | 159                | Other diagnostic           |
| 10                    | 0KJY3ZZ              | Inspection of Lower Muscle, Percutaneous Approach          | 159                | Other diagnostic           |
| 10                    | 0KJY4ZZ              | Inspection of Lower Muscle, Percutaneous Endoscopic Approa | 159                | Other diagnostic           |
| 10                    | 0KJYZZZ              | Inspection of Lower Muscle, External Approach              | 159                | Other diagnostic           |
| 10                    | 0L900ZX              | Drainage of Head and Neck Tendon, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0L903ZX              | Drainage of Head and Neck Tendon, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L904ZX              | Drainage of Head and Neck Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L910ZX              | Drainage of Right Shoulder Tendon, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0L913ZX              | Drainage of Right Shoulder Tendon, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L914ZX              | Drainage of Right Shoulder Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L920ZX              | Drainage of Left Shoulder Tendon, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0L923ZX              | Drainage of Left Shoulder Tendon, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L924ZX              | Drainage of Left Shoulder Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L930ZX              | Drainage of Right Upper Arm Tendon, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L933ZX              | Drainage of Right Upper Arm Tendon, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L934ZX              | Drainage of R Up Arm Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L940ZX              | Drainage of Left Upper Arm Tendon, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0L943ZX              | Drainage of Left Upper Arm Tendon, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L944ZX              | Drainage of Left Upper Arm Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L950ZX              | Drainage of R Low Arm & Wrist Tendon, Open Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L953ZX              | Drainage of R Low Arm & Wrist Tendon, Perc Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L954ZX              | Drain of R Low Arm & Wrist Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L960ZX              | Drainage of L Low Arm & Wrist Tendon, Open Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L963ZX              | Drainage of L Low Arm & Wrist Tendon, Perc Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L964ZX              | Drain of L Low Arm & Wrist Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L970ZX              | Drainage of Right Hand Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0L973ZX              | Drainage of Right Hand Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L974ZX              | Drainage of Right Hand Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L980ZX              | Drainage of Left Hand Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0L983ZX              | Drainage of Left Hand Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L984ZX              | Drainage of Left Hand Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L990ZX              | Drainage of Right Trunk Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0L993ZX              | Drainage of Right Trunk Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L994ZX              | Drainage of Right Trunk Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0L9B0ZX              | Drainage of Left Trunk Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0L9B3ZX              | Drainage of Left Trunk Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L9B4ZX              | Drainage of Left Trunk Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9C0ZX              | Drainage of Right Thorax Tendon, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0L9C3ZX              | Drainage of Right Thorax Tendon, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0L9C4ZX              | Drainage of Right Thorax Tendon, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L9D0ZX              | Drainage of Left Thorax Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0L9D3ZX              | Drainage of Left Thorax Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L9D4ZX              | Drainage of Left Thorax Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0L9F0ZX              | Drainage of Right Abdomen Tendon, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0L9F3ZX              | Drainage of Right Abdomen Tendon, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L9F4ZX              | Drainage of Right Abdomen Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L9G0ZX              | Drainage of Left Abdomen Tendon, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0L9G3ZX              | Drainage of Left Abdomen Tendon, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0L9G4ZX              | Drainage of Left Abdomen Tendon, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L9H0ZX              | Drainage of Perineum Tendon, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0L9H3ZX              | Drainage of Perineum Tendon, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0L9H4ZX              | Drainage of Perineum Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L9J0ZX              | Drainage of Right Hip Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0L9J3ZX              | Drainage of Right Hip Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L9J4ZX              | Drainage of Right Hip Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L9K0ZX              | Drainage of Left Hip Tendon, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0L9K3ZX              | Drainage of Left Hip Tendon, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0L9K4ZX              | Drainage of Left Hip Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L9L0ZX              | Drainage of Right Upper Leg Tendon, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9L3ZX              | Drainage of Right Upper Leg Tendon, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9L4ZX              | Drainage of R Up Leg Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0L9M0ZX              | Drainage of Left Upper Leg Tendon, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0L9M3ZX              | Drainage of Left Upper Leg Tendon, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L9M4ZX              | Drainage of Left Upper Leg Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L9N0ZX              | Drainage of Right Lower Leg Tendon, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9N3ZX              | Drainage of Right Lower Leg Tendon, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9N4ZX              | Drainage of R Low Leg Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L9P0ZX              | Drainage of Left Lower Leg Tendon, Open Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0L9P3ZX              | Drainage of Left Lower Leg Tendon, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L9P4ZX              | Drainage of Left Lower Leg Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0L9Q0ZX              | Drainage of Right Knee Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0L9Q3ZX              | Drainage of Right Knee Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0L9Q4ZX              | Drainage of Right Knee Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0L9R0ZX              | Drainage of Left Knee Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0L9R3ZX              | Drainage of Left Knee Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0L9R4ZX              | Drainage of Left Knee Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0L9S0ZX              | Drainage of Right Ankle Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0L953Z               | Drainage of Right Ankle Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0L954Z               | Drainage of Right Ankle Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0L910Z               | Drainage of Left Ankle Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0L913Z               | Drainage of Left Ankle Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0L914Z               | Drainage of Left Ankle Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0L9V0Z               | Drainage of Right Foot Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0L9V3Z               | Drainage of Right Foot Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0L9V4Z               | Drainage of Right Foot Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0L9W0Z               | Drainage of Left Foot Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0L9W3Z               | Drainage of Left Foot Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0L9W4Z               | Drainage of Left Foot Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LB00Z               | Excision of Head and Neck Tendon, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0LB03Z               | Excision of Head and Neck Tendon, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LB04Z               | Excision of Head and Neck Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LB10Z               | Excision of Right Shoulder Tendon, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0LB13Z               | Excision of Right Shoulder Tendon, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LB14Z               | Excision of Right Shoulder Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LB20Z               | Excision of Left Shoulder Tendon, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0LB23Z               | Excision of Left Shoulder Tendon, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LB24Z               | Excision of Left Shoulder Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LB30Z               | Excision of Right Upper Arm Tendon, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LB33Z               | Excision of Right Upper Arm Tendon, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LB34Z               | Excision of R Up Arm Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LB40Z               | Excision of Left Upper Arm Tendon, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0LB43Z               | Excision of Left Upper Arm Tendon, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LB44Z               | Excision of Left Upper Arm Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LB50Z               | Excision of R Low Arm & Wrist Tendon, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LB53Z               | Excision of R Low Arm & Wrist Tendon, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LB54Z               | Excise R Low Arm & Wrist Tendon, Perc Endo, Diagn          | 159                | Other diagnostic          |
| 10                    | 0LB60Z               | Excision of L Low Arm & Wrist Tendon, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LB63Z               | Excision of L Low Arm & Wrist Tendon, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LB64Z               | Excise L Low Arm & Wrist Tendon, Perc Endo, Diagn          | 159                | Other diagnostic          |
| 10                    | 0LB70Z               | Excision of Right Hand Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0LB73Z               | Excision of Right Hand Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LB74Z               | Excision of Right Hand Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LB80Z               | Excision of Left Hand Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0LB83Z               | Excision of Left Hand Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LB84Z               | Excision of Left Hand Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LB90Z               | Excision of Right Trunk Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0LB93Z               | Excision of Right Trunk Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LB94Z               | Excision of Right Trunk Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0LBB0Z               | Excision of Left Trunk Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0LBB3Z               | Excision of Left Trunk Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LBB4Z               | Excision of Left Trunk Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBC0Z               | Excision of Right Thorax Tendon, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0LBC3Z               | Excision of Right Thorax Tendon, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0LBC4Z               | Excision of Right Thorax Tendon, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LBD0Z               | Excision of Left Thorax Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0LBD3Z               | Excision of Left Thorax Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LBD4Z               | Excision of Left Thorax Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0LBF0Z               | Excision of Right Abdomen Tendon, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0LBF3Z               | Excision of Right Abdomen Tendon, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LBF4Z               | Excision of Right Abdomen Tendon, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LBG0Z               | Excision of Left Abdomen Tendon, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0LBG3Z               | Excision of Left Abdomen Tendon, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0LBG4Z               | Excision of Left Abdomen Tendon, Perc Endo Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LBH0Z               | Excision of Perineum Tendon, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0LBH3Z               | Excision of Perineum Tendon, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0LBH4Z               | Excision of Perineum Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LBJ0Z               | Excision of Right Hip Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0LBJ3Z               | Excision of Right Hip Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LBJ4Z               | Excision of Right Hip Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LBK0Z               | Excision of Left Hip Tendon, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0LBK3Z               | Excision of Left Hip Tendon, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0LBK4Z               | Excision of Left Hip Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LBL0Z               | Excision of Right Upper Leg Tendon, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBL3Z               | Excision of Right Upper Leg Tendon, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBL4Z               | Excision of R Up Leg Tendon, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0LBM0Z               | Excision of Left Upper Leg Tendon, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0LBM3Z               | Excision of Left Upper Leg Tendon, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LBM4Z               | Excision of Left Upper Leg Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LBN0Z               | Excision of Right Lower Leg Tendon, Open Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBN3Z               | Excision of Right Lower Leg Tendon, Perc Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBN4Z               | Excision of R Low Leg Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LBP0Z               | Excision of Left Lower Leg Tendon, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0LBP3Z               | Excision of Left Lower Leg Tendon, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LBP4Z               | Excision of Left Lower Leg Tendon, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LBCQ0Z              | Excision of Right Knee Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0LBCQ3Z              | Excision of Right Knee Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LBCQ4Z              | Excision of Right Knee Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBR0Z               | Excision of Left Knee Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0LBR3Z               | Excision of Left Knee Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LBR4Z               | Excision of Left Knee Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LBS0Z               | Excision of Right Ankle Tendon, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0LBS3Z               | Excision of Right Ankle Tendon, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0LBS4Z               | Excision of Right Ankle Tendon, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0LBT0Z               | Excision of Left Ankle Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0LBT3Z               | Excision of Left Ankle Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LBT4Z               | Excision of Left Ankle Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBV0Z               | Excision of Right Foot Tendon, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0LBV3Z               | Excision of Right Foot Tendon, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0LBV4Z               | Excision of Right Foot Tendon, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0LBW0Z               | Excision of Left Foot Tendon, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0LBW3Z               | Excision of Left Foot Tendon, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0LBW4Z               | Excision of Left Foot Tendon, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0LIX0Z               | Inspection of Upper Tendon, Open Approach                  | 159                | Other diagnostic          |
| 10                    | 0LIX3Z               | Inspection of Upper Tendon, Percutaneous Approach          | 159                | Other diagnostic          |
| 10                    | 0LIX4Z               | Inspection of Upper Tendon, Percutaneous Endoscopic Approa | 159                | Other diagnostic          |
| 10                    | 0LIXXZ               | Inspection of Upper Tendon, External Approach              | 159                | Other diagnostic          |
| 10                    | 0LIY0Z               | Inspection of Lower Tendon, Open Approach                  | 159                | Other diagnostic          |
| 10                    | 0LIY3Z               | Inspection of Lower Tendon, Percutaneous Approach          | 159                | Other diagnostic          |
| 10                    | 0LIY4Z               | Inspection of Lower Tendon, Percutaneous Endoscopic Approa | 159                | Other diagnostic          |
| 10                    | 0LIYXZ               | Inspection of Lower Tendon, External Approach              | 159                | Other diagnostic          |
| 10                    | 0M900Z               | Drainage of Head & Neck Bursa/Lig, Open Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0M903Z               | Drainage of Head & Neck Bursa/Lig, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0M904Z               | Drainage of Head & Neck Bursa/Lig, Perc Endo Approach, Dia | 159                | Other diagnostic          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0MB83ZX              | Excision of L Hand Bursa/Lig, Perc Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MB84ZX              | Excision of L Hand Bursa/Lig, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MB90ZX              | Excision of R Up Extrem Bursa/Lig, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MB93ZX              | Excision of R Up Extrem Bursa/Lig, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MB94ZX              | Excision of R Up Extrem Bursa/Lig, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0MBB0ZX              | Excision of L Up Extrem Bursa/Lig, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBB3ZX              | Excision of L Up Extrem Bursa/Lig, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBB4ZX              | Excision of L Up Extrem Bursa/Lig, Perc Endo Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0MBC0ZX              | Excision of R Trunk Bursa/Lig, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBC3ZX              | Excision of R Trunk Bursa/Lig, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBC4ZX              | Excision of R Trunk Bursa/Lig, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBD0ZX              | Excision of L Trunk Bursa/Lig, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBD3ZX              | Excision of L Trunk Bursa/Lig, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBD4ZX              | Excision of L Trunk Bursa/Lig, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBF0ZX              | Excision of R Thorax Bursa/Lig, Open Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBF3ZX              | Excision of R Thorax Bursa/Lig, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBF4ZX              | Excision of R Thorax Bursa/Lig, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0MBG0ZX              | Excision of L Thorax Bursa/Lig, Open Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBG3ZX              | Excision of L Thorax Bursa/Lig, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBG4ZX              | Excision of L Thorax Bursa/Lig, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0MBH0ZX              | Excision of R Abd Bursa/Lig, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBH3ZX              | Excision of R Abd Bursa/Lig, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBH4ZX              | Excision of R Abd Bursa/Lig, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0MBJ0ZX              | Excision of L Abd Bursa/Lig, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBJ3ZX              | Excision of L Abd Bursa/Lig, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBJ4ZX              | Excision of L Abd Bursa/Lig, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0MBK0ZX              | Excision of Perineum Bursa/Lig, Open Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBK3ZX              | Excision of Perineum Bursa/Lig, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0MBK4ZX              | Excision of Perineum Bursa/Lig, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0MBL0ZX              | Excision of R Hip Bursa/Lig, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBL3ZX              | Excision of R Hip Bursa/Lig, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBL4ZX              | Excision of R Hip Bursa/Lig, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0MBM0ZX              | Excision of L Hip Bursa/Lig, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBM3ZX              | Excision of L Hip Bursa/Lig, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0MBM4ZX              | Excision of L Hip Bursa/Lig, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0MBN0ZX              | Excision of R Knee Bursa/Lig, Open Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBN3ZX              | Excision of R Knee Bursa/Lig, Perc Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBN4ZX              | Excision of R Knee Bursa/Lig, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBP0ZX              | Excision of L Knee Bursa/Lig, Open Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBP3ZX              | Excision of L Knee Bursa/Lig, Perc Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBP4ZX              | Excision of L Knee Bursa/Lig, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBQ0ZX              | Excision of R Ankle Bursa/Lig, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBQ3ZX              | Excision of R Ankle Bursa/Lig, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBQ4ZX              | Excision of R Ankle Bursa/Lig, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBR0ZX              | Excision of L Ankle Bursa/Lig, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBR3ZX              | Excision of L Ankle Bursa/Lig, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0MBR4ZX              | Excision of L Ankle Bursa/Lig, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBS0ZX              | Excision of R Foot Bursa/Lig, Open Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBS3ZX              | Excision of R Foot Bursa/Lig, Perc Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBS4ZX              | Excision of R Foot Bursa/Lig, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBT0ZX              | Excision of L Foot Bursa/Lig, Open Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBT3ZX              | Excision of L Foot Bursa/Lig, Perc Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0MBT4ZX              | Excision of L Foot Bursa/Lig, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0MBV0ZX              | Excision of R Low Extrem Bursa/Lig, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBV3ZX              | Excision of R Low Extrem Bursa/Lig, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBV4ZX              | Excise of R Low Extrem Bursa/Lig, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0MBW0ZX              | Excision of L Low Extrem Bursa/Lig, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBW3ZX              | Excision of L Low Extrem Bursa/Lig, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0MBW4ZX              | Excise of L Low Extrem Bursa/Lig, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0MJX0ZZ              | Inspection of Upper Bursa and Ligament, Open Approach      | 159                | Other diagnostic           |
| 10                    | 0MJX3ZZ              | Inspection of Upper Bursa and Ligament, Perc Approach      | 159                | Other diagnostic           |
| 10                    | 0MJX4ZZ              | Inspection of Upper Bursa and Ligament, Perc Endo Approach | 159                | Other diagnostic           |
| 10                    | 0MJXZZZ              | Inspection of Upper Bursa and Ligament, External Approach  | 159                | Other diagnostic           |
| 10                    | 0MJY0ZZ              | Inspection of Lower Bursa and Ligament, Open Approach      | 159                | Other diagnostic           |
| 10                    | 0MJY3ZZ              | Inspection of Lower Bursa and Ligament, Perc Approach      | 159                | Other diagnostic           |
| 10                    | 0MJY4ZZ              | Inspection of Lower Bursa and Ligament, Perc Endo Approach | 159                | Other diagnostic           |
| 10                    | 0MJYZZZ              | Inspection of Lower Bursa and Ligament, External Approach  | 159                | Other diagnostic           |
| 10                    | 0N900ZX              | Drainage of Skull, Open Approach, Diagnostic               | 159                | Other diagnostic           |
| 10                    | 0N903ZX              | Drainage of Skull, Percutaneous Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0N904ZX              | Drainage of Skull, Percutaneous Endoscopic Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N910ZX              | Drainage of Right Frontal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N913ZX              | Drainage of Right Frontal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N914ZX              | Drainage of Right Frontal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N920ZX              | Drainage of Left Frontal Bone, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0N923ZX              | Drainage of Left Frontal Bone, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0N924ZX              | Drainage of Left Frontal Bone, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0N930ZX              | Drainage of Right Parietal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N933ZX              | Drainage of Right Parietal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N934ZX              | Drainage of Right Parietal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N940ZX              | Drainage of Left Parietal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N943ZX              | Drainage of Left Parietal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N944ZX              | Drainage of Left Parietal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N950ZX              | Drainage of Right Temporal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N953ZX              | Drainage of Right Temporal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N954ZX              | Drainage of Right Temporal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N960ZX              | Drainage of Left Temporal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N963ZX              | Drainage of Left Temporal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N964ZX              | Drainage of Left Temporal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N970ZX              | Drainage of Right Occipital Bone, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0N973ZX              | Drainage of Right Occipital Bone, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0N974ZX              | Drainage of Right Occipital Bone, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0N980ZX              | Drainage of Left Occipital Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N983ZX              | Drainage of Left Occipital Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N984ZX              | Drainage of Left Occipital Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N980ZX              | Drainage of Nasal Bone, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0N983ZX              | Drainage of Nasal Bone, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N984ZX              | Drainage of Nasal Bone, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0N9C0ZX              | Drainage of Right Sphenoid Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N9C3ZX              | Drainage of Right Sphenoid Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N9C4ZX              | Drainage of Right Sphenoid Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N9D0ZX              | Drainage of Left Sphenoid Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9D3ZX              | Drainage of Left Sphenoid Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N9D4ZX              | Drainage of Left Sphenoid Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N9F0ZX              | Drainage of Right Ethmoid Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9F3ZX              | Drainage of Right Ethmoid Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N9F4ZX              | Drainage of Right Ethmoid Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0N9G0ZX              | Drainage of Left Ethmoid Bone, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0N9G3ZX              | Drainage of Left Ethmoid Bone, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0N9G4ZX              | Drainage of Left Ethmoid Bone, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0N9H0ZX              | Drainage of Right Lacrimal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N9H3ZX              | Drainage of Right Lacrimal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N9H4ZX              | Drainage of Right Lacrimal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N9J0ZX              | Drainage of Left Lacrimal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9J3ZX              | Drainage of Left Lacrimal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N9J4ZX              | Drainage of Left Lacrimal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N9K0ZX              | Drainage of Right Palatine Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N9K3ZX              | Drainage of Right Palatine Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N9K4ZX              | Drainage of Right Palatine Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N9L0ZX              | Drainage of Left Palatine Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9L3ZX              | Drainage of Left Palatine Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0N9L4ZX              | Drainage of Left Palatine Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0N9M0ZX              | Drainage of Right Zygomatic Bone, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0N9M3ZX              | Drainage of Right Zygomatic Bone, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0N9M4ZX              | Drainage of Right Zygomatic Bone, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0N9N0ZX              | Drainage of Left Zygomatic Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N9N3ZX              | Drainage of Left Zygomatic Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N9N4ZX              | Drainage of Left Zygomatic Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0N9P0ZX              | Drainage of Right Orbit, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0N9P3ZX              | Drainage of Right Orbit, Percutaneous Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0N9P4ZX              | Drainage of Right Orbit, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0N9Q0ZX              | Drainage of Left Orbit, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0N9Q3ZX              | Drainage of Left Orbit, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9Q4ZX              | Drainage of Left Orbit, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0N9R0ZX              | Drainage of Right Maxilla, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0N9R3ZX              | Drainage of Right Maxilla, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0N9R4ZX              | Drainage of Right Maxilla, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0N9S0ZX              | Drainage of Left Maxilla, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0N9S3ZX              | Drainage of Left Maxilla, Percutaneous Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0N9S4ZX              | Drainage of Left Maxilla, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0N9T0ZX              | Drainage of Right Mandible, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0N9T3ZX              | Drainage of Right Mandible, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0N9T4ZX              | Drainage of Right Mandible, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0N9V0ZX              | Drainage of Left Mandible, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0N9V3ZX              | Drainage of Left Mandible, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0N9V4ZX              | Drainage of Left Mandible, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0N9X0ZX              | Drainage of Hyoid Bone, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0N9X3ZX              | Drainage of Hyoid Bone, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0N9X4ZX              | Drainage of Hyoid Bone, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0NB00ZX              | Excision of Skull, Open Approach, Diagnostic               | 159                | Other diagnostic           |
| 10                    | 0NB00ZZ              | Excision of Skull, Open Approach                           | 142                | Partial excision           |
| 10                    | 0NB03ZX              | Excision of Skull, Percutaneous Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0NB03ZZ              | Excision of Skull, Percutaneous Approach                   | 142                | Partial excision           |
| 10                    | 0NB04ZX              | Excision of Skull, Percutaneous Endoscopic Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0NB04ZZ              | Excision of Skull, Percutaneous Endoscopic Approach        | 142                | Partial excision           |
| 10                    | 0NB10ZX              | Excision of Right Frontal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0NB10ZZ              | Excision of Right Frontal Bone, Open Approach              | 142                | Partial excision           |
| 10                    | 0NB13ZX              | Excision of Right Frontal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0NB13ZZ              | Excision of Right Frontal Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0NB14ZX              | Excision of Right Frontal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0NB14ZZ              | Excision of Right Frontal Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0NB20ZX              | Excision of Left Frontal Bone, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0NB20ZZ              | Excision of Left Frontal Bone, Open Approach               | 142                | Partial excision           |
| 10                    | 0NB23ZX              | Excision of Left Frontal Bone, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0NB23ZZ              | Excision of Left Frontal Bone, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | 0NB24ZX              | Excision of Left Frontal Bone, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0NB24ZZ              | Excision of Left Frontal Bone, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | 0NB30ZX              | Excision of Right Parietal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0NB30ZZ              | Excision of Right Parietal Bone, Open Approach             | 142                | Partial excision           |
| 10                    | 0NB33ZX              | Excision of Right Parietal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0NB33ZZ              | Excision of Right Parietal Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0NB34ZX              | Excision of Right Parietal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0NB34ZZ              | Excision of Right Parietal Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0NB40ZX              | Excision of Left Parietal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0NB40ZZ              | Excision of Left Parietal Bone, Open Approach              | 142                | Partial excision           |
| 10                    | 0NB43ZX              | Excision of Left Parietal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0NB43ZZ              | Excision of Left Parietal Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0NB44ZX              | Excision of Left Parietal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0NB44ZZ              | Excision of Left Parietal Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0NB50ZX              | Excision of Right Temporal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0NB50ZZ              | Excision of Right Temporal Bone, Open Approach             | 142                | Partial excision           |
| 10                    | 0NB53ZX              | Excision of Right Temporal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0NB53ZZ              | Excision of Right Temporal Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0NB54ZX              | Excision of Right Temporal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0NB54ZZ              | Excision of Right Temporal Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0NB60ZX              | Excision of Left Temporal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0NB60ZZ              | Excision of Left Temporal Bone, Open Approach              | 142                | Partial excision           |
| 10                    | 0NB63ZX              | Excision of Left Temporal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0NB63ZZ              | Excision of Left Temporal Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0NB64ZX              | Excision of Left Temporal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0NB64ZZ              | Excision of Left Temporal Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0NB70ZX              | Excision of Right Occipital Bone, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0NB70ZZ              | Excision of Right Occipital Bone, Open Approach            | 142                | Partial excision           |
| 10                    | 0NB73ZX              | Excision of Right Occipital Bone, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0NB73ZZ              | Excision of Right Occipital Bone, Percutaneous Approach    | 142                | Partial excision           |
| 10                    | 0NB74ZX              | Excision of Right Occipital Bone, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0NB74ZZ              | Excision of Right Occipital Bone, Perc Endo Approach       | 142                | Partial excision           |
| 10                    | 0NB80ZX              | Excision of Left Occipital Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0NB80ZZ              | Excision of Left Occipital Bone, Open Approach             | 142                | Partial excision           |
| 10                    | 0NB83ZX              | Excision of Left Occipital Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0NB83ZZ              | Excision of Left Occipital Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0NB84ZX              | Excision of Left Occipital Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0NB84ZZ              | Excision of Left Occipital Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0NB80ZX              | Excision of Nasal Bone, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0NB80ZZ              | Excision of Nasal Bone, Open Approach                      | 142                | Partial excision           |
| 10                    | 0NB83ZX              | Excision of Nasal Bone, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0NB83ZZ              | Excision of Nasal Bone, Percutaneous Approach              | 142                | Partial excision           |
| 10                    | 0NB84ZX              | Excision of Nasal Bone, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0NB84ZZ              | Excision of Nasal Bone, Percutaneous Endoscopic Approach   | 142                | Partial excision           |
| 10                    | 0NBC0ZX              | Excision of Right Sphenoid Bone, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0NBC0ZZ              | Excision of Right Sphenoid Bone, Open Approach             | 142                | Partial excision           |
| 10                    | 0NBC3ZX              | Excision of Right Sphenoid Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0NBC3ZZ              | Excision of Right Sphenoid Bone, Percutaneous Approach     | 142                | Partial excision           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | ONBC42X              | Excision of Right Sphenoid Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | ONBC4ZZ              | Excision of Right Sphenoid Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | ONBD00X              | Excision of Left Sphenoid Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBD00Z              | Excision of Left Sphenoid Bone, Open Approach              | 142                | Partial excision           |
| 10                    | ONBD03X              | Excision of Left Sphenoid Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | ONBD03Z              | Excision of Left Sphenoid Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | ONBD04X              | Excision of Left Sphenoid Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | ONBD04Z              | Excision of Left Sphenoid Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | ONBF00X              | Excision of Right Ethmoid Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBF00Z              | Excision of Right Ethmoid Bone, Open Approach              | 142                | Partial excision           |
| 10                    | ONBF30X              | Excision of Right Ethmoid Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | ONBF30Z              | Excision of Right Ethmoid Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | ONBF40X              | Excision of Right Ethmoid Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | ONBF40Z              | Excision of Right Ethmoid Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | ONBG00X              | Excision of Left Ethmoid Bone, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | ONBG00Z              | Excision of Left Ethmoid Bone, Open Approach               | 142                | Partial excision           |
| 10                    | ONBG30X              | Excision of Left Ethmoid Bone, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | ONBG30Z              | Excision of Left Ethmoid Bone, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | ONBG40X              | Excision of Left Ethmoid Bone, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | ONBG40Z              | Excision of Left Ethmoid Bone, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | ONBH00X              | Excision of Right Lacrimal Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | ONBH00Z              | Excision of Right Lacrimal Bone, Open Approach             | 142                | Partial excision           |
| 10                    | ONBH30X              | Excision of Right Lacrimal Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | ONBH30Z              | Excision of Right Lacrimal Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | ONBH40X              | Excision of Right Lacrimal Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | ONBH40Z              | Excision of Right Lacrimal Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | ONBJ00X              | Excision of Left Lacrimal Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBJ00Z              | Excision of Left Lacrimal Bone, Open Approach              | 142                | Partial excision           |
| 10                    | ONBJ30X              | Excision of Left Lacrimal Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | ONBJ30Z              | Excision of Left Lacrimal Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | ONBJ40X              | Excision of Left Lacrimal Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | ONBJ40Z              | Excision of Left Lacrimal Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | ONBK00X              | Excision of Right Palatine Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | ONBK00Z              | Excision of Right Palatine Bone, Open Approach             | 142                | Partial excision           |
| 10                    | ONBK30X              | Excision of Right Palatine Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | ONBK30Z              | Excision of Right Palatine Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | ONBK40X              | Excision of Right Palatine Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | ONBK40Z              | Excision of Right Palatine Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | ONBL00X              | Excision of Left Palatine Bone, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBL00Z              | Excision of Left Palatine Bone, Open Approach              | 142                | Partial excision           |
| 10                    | ONBL30X              | Excision of Left Palatine Bone, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | ONBL30Z              | Excision of Left Palatine Bone, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | ONBL40X              | Excision of Left Palatine Bone, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | ONBL40Z              | Excision of Left Palatine Bone, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | ONBM00X              | Excision of Right Zygomatic Bone, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | ONBM00Z              | Excision of Right Zygomatic Bone, Open Approach            | 142                | Partial excision           |
| 10                    | ONBM30X              | Excision of Right Zygomatic Bone, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | ONBM30Z              | Excision of Right Zygomatic Bone, Percutaneous Approach    | 142                | Partial excision           |
| 10                    | ONBM40X              | Excision of Right Zygomatic Bone, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | ONBM40Z              | Excision of Right Zygomatic Bone, Perc Endo Approach       | 142                | Partial excision           |
| 10                    | ONBN00X              | Excision of Left Zygomatic Bone, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | ONBN00Z              | Excision of Left Zygomatic Bone, Open Approach             | 142                | Partial excision           |
| 10                    | ONBN30X              | Excision of Left Zygomatic Bone, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | ONBN30Z              | Excision of Left Zygomatic Bone, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | ONBN40X              | Excision of Left Zygomatic Bone, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | ONBN40Z              | Excision of Left Zygomatic Bone, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | ONBP00X              | Excision of Right Orbit, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | ONBP00Z              | Excision of Right Orbit, Open Approach                     | 142                | Partial excision           |
| 10                    | ONBP30X              | Excision of Right Orbit, Percutaneous Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | ONBP30Z              | Excision of Right Orbit, Percutaneous Approach             | 142                | Partial excision           |
| 10                    | ONBP40X              | Excision of Right Orbit, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | ONBP40Z              | Excision of Right Orbit, Percutaneous Endoscopic Approach  | 142                | Partial excision           |
| 10                    | ONBQ00X              | Excision of Left Orbit, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | ONBQ00Z              | Excision of Left Orbit, Open Approach                      | 142                | Partial excision           |
| 10                    | ONBQ30X              | Excision of Left Orbit, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBQ30Z              | Excision of Left Orbit, Percutaneous Approach              | 142                | Partial excision           |
| 10                    | ONBQ40X              | Excision of Left Orbit, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | ONBQ40Z              | Excision of Left Orbit, Percutaneous Endoscopic Approach   | 142                | Partial excision           |
| 10                    | ONBR00X              | Excision of Right Maxilla, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | ONBR00Z              | Excision of Right Maxilla, Open Approach                   | 142                | Partial excision           |
| 10                    | ONBR30X              | Excision of Right Maxilla, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | ONBR30Z              | Excision of Right Maxilla, Percutaneous Approach           | 142                | Partial excision           |
| 10                    | ONBR40X              | Excision of Right Maxilla, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | ONBR40Z              | Excision of Right Maxilla, Percutaneous Endoscopic Approa  | 142                | Partial excision           |
| 10                    | ONBS00X              | Excision of Left Maxilla, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | ONBS00Z              | Excision of Left Maxilla, Open Approach                    | 142                | Partial excision           |
| 10                    | ONBS30X              | Excision of Left Maxilla, Percutaneous Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | ONBS30Z              | Excision of Left Maxilla, Percutaneous Approach            | 142                | Partial excision           |
| 10                    | ONBS40X              | Excision of Left Maxilla, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | ONBS40Z              | Excision of Left Maxilla, Percutaneous Endoscopic Approach | 142                | Partial excision           |
| 10                    | ONBT00X              | Excision of Right Mandible, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | ONBT00Z              | Excision of Right Mandible, Open Approach                  | 142                | Partial excision           |
| 10                    | ONBT30X              | Excision of Right Mandible, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | ONBT30Z              | Excision of Right Mandible, Percutaneous Approach          | 142                | Partial excision           |
| 10                    | ONBT40X              | Excision of Right Mandible, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | ONBT40Z              | Excision of Right Mandible, Percutaneous Endoscopic Approa | 142                | Partial excision           |
| 10                    | ONBV00X              | Excision of Left Mandible, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | ONBV00Z              | Excision of Left Mandible, Open Approach                   | 142                | Partial excision           |
| 10                    | ONBV30X              | Excision of Left Mandible, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | ONBV30Z              | Excision of Left Mandible, Percutaneous Approach           | 142                | Partial excision           |
| 10                    | ONBV40X              | Excision of Left Mandible, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | ONBV40Z              | Excision of Left Mandible, Percutaneous Endoscopic Approac | 142                | Partial excision           |
| 10                    | ONBX00X              | Excision of Hyoid Bone, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | ONBX00Z              | Excision of Hyoid Bone, Open Approach                      | 142                | Partial excision           |
| 10                    | ONBX30X              | Excision of Hyoid Bone, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | ONBX30Z              | Excision of Hyoid Bone, Percutaneous Approach              | 142                | Partial excision           |
| 10                    | ONBX40X              | Excision of Hyoid Bone, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | ONBX40Z              | Excision of Hyoid Bone, Percutaneous Endoscopic Approach   | 142                | Partial excision           |
| 10                    | ONH00NZ              | Insertion of Neurostim into Skull, Open Approach           | 9                  | Other OR therapeu          |
| 10                    | ONU00ZZ              | Inspection of Skull, Open Approach                         | 159                | Other diagnostic           |
| 10                    | ONU03ZZ              | Inspection of Skull, Percutaneous Approach                 | 159                | Other diagnostic           |
| 10                    | ONU04ZZ              | Inspection of Skull, Percutaneous Endoscopic Approach      | 159                | Other diagnostic           |
| 10                    | ONU0XZZ              | Inspection of Skull, External Approach                     | 159                | Other diagnostic           |
| 10                    | ONUB0ZZ              | Inspection of Nasal Bone, Open Approach                    | 159                | Other diagnostic           |
| 10                    | ONUB3ZZ              | Inspection of Nasal Bone, Percutaneous Approach            | 159                | Other diagnostic           |
| 10                    | ONUB4ZZ              | Inspection of Nasal Bone, Percutaneous Endoscopic Approach | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0NJBXZZ              | Inspection of Nasal Bone, External Approach                 | 159                | Other diagnostic           |
| 10                    | 0NIW0ZZ              | Inspection of Facial Bone, Open Approach                    | 159                | Other diagnostic           |
| 10                    | 0NIW3ZZ              | Inspection of Facial Bone, Percutaneous Approach            | 159                | Other diagnostic           |
| 10                    | 0NIW4ZZ              | Inspection of Facial Bone, Percutaneous Endoscopic Approach | 159                | Other diagnostic           |
| 10                    | 0NIWXZZ              | Inspection of Facial Bone, External Approach                | 159                | Other diagnostic           |
| 10                    | 0NW00NZ              | Revision of Neurostim in Skull, Open Approach               | 9                  | Other OR therapeu          |
| 10                    | 0P900ZX              | Drainage of Sternum, Open Approach, Diagnostic              | 159                | Other diagnostic           |
| 10                    | 0P903ZX              | Drainage of Sternum, Percutaneous Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0P904ZX              | Drainage of Sternum, Percutaneous Endoscopic Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0P910ZX              | Drainage of Right Rib, Open Approach, Diagnostic            | 159                | Other diagnostic           |
| 10                    | 0P913ZX              | Drainage of Right Rib, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P914ZX              | Drainage of Right Rib, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0P920ZX              | Drainage of Left Rib, Open Approach, Diagnostic             | 159                | Other diagnostic           |
| 10                    | 0P923ZX              | Drainage of Left Rib, Percutaneous Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0P924ZX              | Drainage of Left Rib, Perc Endo Approach, Diagn             | 159                | Other diagnostic           |
| 10                    | 0P930ZX              | Drainage of Cervical Vertebra, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P933ZX              | Drainage of Cervical Vertebra, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0P934ZX              | Drainage of Cervical Vertebra, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0P940ZX              | Drainage of Thoracic Vertebra, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P943ZX              | Drainage of Thoracic Vertebra, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0P944ZX              | Drainage of Thoracic Vertebra, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0P950ZX              | Drainage of Right Scapula, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0P953ZX              | Drainage of Right Scapula, Percutaneous Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 0P954ZX              | Drainage of Right Scapula, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0P960ZX              | Drainage of Left Scapula, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0P963ZX              | Drainage of Left Scapula, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0P964ZX              | Drainage of Left Scapula, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0P970ZX              | Drainage of Right Glenoid Cavity, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0P973ZX              | Drainage of Right Glenoid Cavity, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0P974ZX              | Drainage of Right Glenoid Cavity, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0P980ZX              | Drainage of Left Glenoid Cavity, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P983ZX              | Drainage of Left Glenoid Cavity, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0P984ZX              | Drainage of Left Glenoid Cavity, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0P990ZX              | Drainage of Right Clavicle, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0P993ZX              | Drainage of Right Clavicle, Percutaneous Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0P994ZX              | Drainage of Right Clavicle, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0P9B0ZX              | Drainage of Left Clavicle, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0P9B3ZX              | Drainage of Left Clavicle, Percutaneous Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 0P9B4ZX              | Drainage of Left Clavicle, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0P9C0ZX              | Drainage of Right Humeral Head, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0P9C3ZX              | Drainage of Right Humeral Head, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0P9C4ZX              | Drainage of Right Humeral Head, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0P9D0ZX              | Drainage of Left Humeral Head, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P9D3ZX              | Drainage of Left Humeral Head, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0P9D4ZX              | Drainage of Left Humeral Head, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0P9F0ZX              | Drainage of Right Humeral Shaft, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P9F3ZX              | Drainage of Right Humeral Shaft, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0P9F4ZX              | Drainage of Right Humeral Shaft, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0P9G0ZX              | Drainage of Left Humeral Shaft, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0P9G3ZX              | Drainage of Left Humeral Shaft, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0P9G4ZX              | Drainage of Left Humeral Shaft, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0P9H0ZX              | Drainage of Right Radius, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0P9H3ZX              | Drainage of Right Radius, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0P9H4ZX              | Drainage of Right Radius, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0P9J0ZX              | Drainage of Left Radius, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0P9J3ZX              | Drainage of Left Radius, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P9J4ZX              | Drainage of Left Radius, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0P9K0ZX              | Drainage of Right Ulna, Open Approach, Diagnostic           | 159                | Other diagnostic           |
| 10                    | 0P9K3ZX              | Drainage of Right Ulna, Percutaneous Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0P9K4ZX              | Drainage of Right Ulna, Perc Endo Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0P9L0ZX              | Drainage of Left Ulna, Open Approach, Diagnostic            | 159                | Other diagnostic           |
| 10                    | 0P9L3ZX              | Drainage of Left Ulna, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P9L4ZX              | Drainage of Left Ulna, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0P9M0ZX              | Drainage of Right Carpal, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0P9M3ZX              | Drainage of Right Carpal, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0P9M4ZX              | Drainage of Right Carpal, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0P9N0ZX              | Drainage of Left Carpal, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0P9N3ZX              | Drainage of Left Carpal, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P9N4ZX              | Drainage of Left Carpal, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0P9P0ZX              | Drainage of Right Metacarpal, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0P9P3ZX              | Drainage of Right Metacarpal, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0P9P4ZX              | Drainage of Right Metacarpal, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0P9Q0ZX              | Drainage of Left Metacarpal, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0P9Q3ZX              | Drainage of Left Metacarpal, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0P9Q4ZX              | Drainage of Left Metacarpal, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0P9R0ZX              | Drainage of Right Thumb Phalanx, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P9R3ZX              | Drainage of Right Thumb Phalanx, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0P9R4ZX              | Drainage of Right Thumb Phalanx, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0P9S0ZX              | Drainage of Left Thumb Phalanx, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0P9S3ZX              | Drainage of Left Thumb Phalanx, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0P9S4ZX              | Drainage of Left Thumb Phalanx, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0P9T0ZX              | Drainage of Right Finger Phalanx, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0P9T3ZX              | Drainage of Right Finger Phalanx, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0P9T4ZX              | Drainage of Right Finger Phalanx, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0P9V0ZX              | Drainage of Left Finger Phalanx, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0P9V3ZX              | Drainage of Left Finger Phalanx, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0P9V4ZX              | Drainage of Left Finger Phalanx, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0P800ZX              | Excision of Sternum, Open Approach, Diagnostic              | 159                | Other diagnostic           |
| 10                    | 0P800ZZ              | Excision of Sternum, Open Approach                          | 142                | Partial excision           |
| 10                    | 0P803ZX              | Excision of Sternum, Percutaneous Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0P803ZZ              | Excision of Sternum, Percutaneous Approach                  | 142                | Partial excision           |
| 10                    | 0P804ZX              | Excision of Sternum, Percutaneous Endoscopic Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0P804ZZ              | Excision of Sternum, Percutaneous Endoscopic Approach       | 142                | Partial excision           |
| 10                    | 0P810ZX              | Excision of Right Rib, Open Approach, Diagnostic            | 159                | Other diagnostic           |
| 10                    | 0P810ZZ              | Excision of Right Rib, Open Approach                        | 142                | Partial excision           |
| 10                    | 0P813ZX              | Excision of Right Rib, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0P813ZZ              | Excision of Right Rib, Percutaneous Approach                | 142                | Partial excision           |
| 10                    | 0P814ZX              | Excision of Right Rib, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0P814ZZ              | Excision of Right Rib, Percutaneous Endoscopic Approach     | 142                | Partial excision           |
| 10                    | 0P820ZX              | Excision of Left Rib, Open Approach, Diagnostic             | 159                | Other diagnostic           |
| 10                    | 0P820ZZ              | Excision of Left Rib, Open Approach                         | 142                | Partial excision           |
| 10                    | 0P823ZX              | Excision of Left Rib, Percutaneous Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0P823ZZ              | Excision of Left Rib, Percutaneous Approach                 | 142                | Partial excision           |
| 10                    | 0P824ZX              | Excision of Left Rib, Perc Endo Approach, Diagn             | 159                | Other diagnostic           |
| 10                    | 0P824ZZ              | Excision of Left Rib, Percutaneous Endoscopic Approach      | 142                | Partial excision           |
| 10                    | 0P830ZX              | Excision of Cervical Vertebra, Open Approach, Diagnostic    | 159                | Other diagnostic           |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0PB30ZZ              | Excision of Cervical Vertebra, Open Approach               | 142                | Partial excision           |
| 10                    | 0PB33ZX              | Excision of Cervical Vertebra, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0PB33ZZ              | Excision of Cervical Vertebra, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | 0PB34ZX              | Excision of Cervical Vertebra, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PB34ZZ              | Excision of Cervical Vertebra, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | 0PB40ZX              | Excision of Thoracic Vertebra, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0PB40ZZ              | Excision of Thoracic Vertebra, Open Approach               | 142                | Partial excision           |
| 10                    | 0PB43ZX              | Excision of Thoracic Vertebra, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0PB43ZZ              | Excision of Thoracic Vertebra, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | 0PB44ZX              | Excision of Thoracic Vertebra, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PB44ZZ              | Excision of Thoracic Vertebra, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | 0PB50ZX              | Excision of Right Scapula, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0PB50ZZ              | Excision of Right Scapula, Open Approach                   | 142                | Partial excision           |
| 10                    | 0PB53ZX              | Excision of Right Scapula, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0PB53ZZ              | Excision of Right Scapula, Percutaneous Approach           | 142                | Partial excision           |
| 10                    | 0PB54ZX              | Excision of Right Scapula, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0PB54ZZ              | Excision of Right Scapula, Percutaneous Endoscopic Approa  | 142                | Partial excision           |
| 10                    | 0PB60ZX              | Excision of Left Scapula, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0PB60ZZ              | Excision of Left Scapula, Open Approach                    | 142                | Partial excision           |
| 10                    | 0PB63ZX              | Excision of Left Scapula, Percutaneous Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0PB63ZZ              | Excision of Left Scapula, Percutaneous Approach            | 142                | Partial excision           |
| 10                    | 0PB64ZX              | Excision of Left Scapula, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0PB64ZZ              | Excision of Left Scapula, Percutaneous Endoscopic Approach | 142                | Partial excision           |
| 10                    | 0PB70ZX              | Excision of Right Glenoid Cavity, Open Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0PB70ZZ              | Excision of Right Glenoid Cavity, Open Approach            | 142                | Partial excision           |
| 10                    | 0PB73ZX              | Excision of Right Glenoid Cavity, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0PB73ZZ              | Excision of Right Glenoid Cavity, Percutaneous Approach    | 142                | Partial excision           |
| 10                    | 0PB74ZX              | Excision of Right Glenoid Cavity, Perc Endo Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0PB74ZZ              | Excision of Right Glenoid Cavity, Perc Endo Approach       | 142                | Partial excision           |
| 10                    | 0PB80ZX              | Excision of Left Glenoid Cavity, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0PB80ZZ              | Excision of Left Glenoid Cavity, Open Approach             | 142                | Partial excision           |
| 10                    | 0PB83ZX              | Excision of Left Glenoid Cavity, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0PB83ZZ              | Excision of Left Glenoid Cavity, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0PB84ZX              | Excision of Left Glenoid Cavity, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0PB84ZZ              | Excision of Left Glenoid Cavity, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0PB90ZX              | Excision of Right Clavicle, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0PB90ZZ              | Excision of Right Clavicle, Open Approach                  | 142                | Partial excision           |
| 10                    | 0PB93ZX              | Excision of Right Clavicle, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PB93ZZ              | Excision of Right Clavicle, Percutaneous Approach          | 142                | Partial excision           |
| 10                    | 0PB94ZX              | Excision of Right Clavicle, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0PB94ZZ              | Excision of Right Clavicle, Percutaneous Endoscopic Approa | 142                | Partial excision           |
| 10                    | 0PB00ZX              | Excision of Left Clavicle, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0PB00ZZ              | Excision of Left Clavicle, Open Approach                   | 142                | Partial excision           |
| 10                    | 0PB83ZX              | Excision of Left Clavicle, Percutaneous Approach, Diagnost | 159                | Other diagnostic           |
| 10                    | 0PB83ZZ              | Excision of Left Clavicle, Percutaneous Approach           | 142                | Partial excision           |
| 10                    | 0PB84ZX              | Excision of Left Clavicle, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0PB84ZZ              | Excision of Left Clavicle, Percutaneous Endoscopic Approa  | 142                | Partial excision           |
| 10                    | 0PBC0ZX              | Excision of Right Humeral Head, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0PBC0ZZ              | Excision of Right Humeral Head, Open Approach              | 142                | Partial excision           |
| 10                    | 0PBC3ZX              | Excision of Right Humeral Head, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0PBC3ZZ              | Excision of Right Humeral Head, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0PBC4ZX              | Excision of Right Humeral Head, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0PBC4ZZ              | Excision of Right Humeral Head, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0PBD0ZX              | Excision of Left Humeral Head, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0PBD0ZZ              | Excision of Left Humeral Head, Open Approach               | 142                | Partial excision           |
| 10                    | 0PBD3ZX              | Excision of Left Humeral Head, Percutaneous Approach, Diag | 159                | Other diagnostic           |
| 10                    | 0PBD3ZZ              | Excision of Left Humeral Head, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | 0PBD4ZX              | Excision of Left Humeral Head, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PBD4ZZ              | Excision of Left Humeral Head, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | 0PBF0ZX              | Excision of Right Humeral Shaft, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0PBF0ZZ              | Excision of Right Humeral Shaft, Open Approach             | 142                | Partial excision           |
| 10                    | 0PBF3ZX              | Excision of Right Humeral Shaft, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0PBF3ZZ              | Excision of Right Humeral Shaft, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0PBF4ZX              | Excision of Right Humeral Shaft, Perc Endo Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0PBF4ZZ              | Excision of Right Humeral Shaft, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0PBG0ZX              | Excision of Left Humeral Shaft, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0PBG0ZZ              | Excision of Left Humeral Shaft, Open Approach              | 142                | Partial excision           |
| 10                    | 0PBG3ZX              | Excision of Left Humeral Shaft, Percutaneous Approach, Dia | 159                | Other diagnostic           |
| 10                    | 0PBG3ZZ              | Excision of Left Humeral Shaft, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0PBG4ZX              | Excision of Left Humeral Shaft, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0PBG4ZZ              | Excision of Left Humeral Shaft, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0PBH0ZX              | Excision of Right Radius, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0PBH0ZZ              | Excision of Right Radius, Open Approach                    | 142                | Partial excision           |
| 10                    | 0PBH3ZX              | Excision of Right Radius, Percutaneous Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0PBH3ZZ              | Excision of Right Radius, Percutaneous Approach            | 142                | Partial excision           |
| 10                    | 0PBH4ZX              | Excision of Right Radius, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0PBH4ZZ              | Excision of Right Radius, Percutaneous Endoscopic Approach | 142                | Partial excision           |
| 10                    | 0PBJ0ZX              | Excision of Left Radius, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0PBJ0ZZ              | Excision of Left Radius, Open Approach                     | 142                | Partial excision           |
| 10                    | 0PBJ3ZX              | Excision of Left Radius, Percutaneous Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0PBJ3ZZ              | Excision of Left Radius, Percutaneous Approach             | 142                | Partial excision           |
| 10                    | 0PBJ4ZX              | Excision of Left Radius, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0PBJ4ZZ              | Excision of Left Radius, Percutaneous Endoscopic Approach  | 142                | Partial excision           |
| 10                    | 0PBK0ZX              | Excision of Right Ulna, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0PBK0ZZ              | Excision of Right Ulna, Open Approach                      | 142                | Partial excision           |
| 10                    | 0PBK3ZX              | Excision of Right Ulna, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0PBK3ZZ              | Excision of Right Ulna, Percutaneous Approach              | 142                | Partial excision           |
| 10                    | 0PBK4ZX              | Excision of Right Ulna, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0PBK4ZZ              | Excision of Right Ulna, Percutaneous Endoscopic Approach   | 142                | Partial excision           |
| 10                    | 0PBL0ZX              | Excision of Left Ulna, Open Approach, Diagnostic           | 159                | Other diagnostic           |
| 10                    | 0PBL0ZZ              | Excision of Left Ulna, Open Approach                       | 142                | Partial excision           |
| 10                    | 0PBL3ZX              | Excision of Left Ulna, Percutaneous Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0PBL3ZZ              | Excision of Left Ulna, Percutaneous Approach               | 142                | Partial excision           |
| 10                    | 0PBL4ZX              | Excision of Left Ulna, Perc Endo Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0PBL4ZZ              | Excision of Left Ulna, Percutaneous Endoscopic Approach    | 142                | Partial excision           |
| 10                    | 0PBM0ZX              | Excision of Right Carpal, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0PBM0ZZ              | Excision of Right Carpal, Open Approach                    | 142                | Partial excision           |
| 10                    | 0PBM3ZX              | Excision of Right Carpal, Percutaneous Approach, Diagnosti | 159                | Other diagnostic           |
| 10                    | 0PBM3ZZ              | Excision of Right Carpal, Percutaneous Approach            | 142                | Partial excision           |
| 10                    | 0PBM4ZX              | Excision of Right Carpal, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0PBM4ZZ              | Excision of Right Carpal, Percutaneous Endoscopic Approach | 142                | Partial excision           |
| 10                    | 0PBN0ZX              | Excision of Left Carpal, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0PBN0ZZ              | Excision of Left Carpal, Open Approach                     | 142                | Partial excision           |
| 10                    | 0PBN3ZX              | Excision of Left Carpal, Percutaneous Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0PBN3ZZ              | Excision of Left Carpal, Percutaneous Approach             | 142                | Partial excision           |
| 10                    | 0PBN4ZX              | Excision of Left Carpal, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0PBW4ZZ              | Excision of Left Carpal, Percutaneous Endoscopic Approach   | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Right Metacarpal, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Right Metacarpal, Open Approach                 | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Right Metacarpal, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Right Metacarpal, Percutaneous Approach         | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Right Metacarpal, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Right Metacarpal, Perc Endo Approach            | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Left Metacarpal, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Left Metacarpal, Open Approach                  | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Left Metacarpal, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Left Metacarpal, Percutaneous Approach          | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Left Metacarpal, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Left Metacarpal, Perc Endo Approach             | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Right Thumb Phalanx, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Right Thumb Phalanx, Open Approach              | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Right Thumb Phalanx, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Right Thumb Phalanx, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Right Thumb Phalanx, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Right Thumb Phalanx, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Left Thumb Phalanx, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Left Thumb Phalanx, Open Approach               | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Left Thumb Phalanx, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Left Thumb Phalanx, Percutaneous Approach       | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Left Thumb Phalanx, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Left Thumb Phalanx, Perc Endo Approach          | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Right Finger Phalanx, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Right Finger Phalanx, Open Approach             | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Right Finger Phalanx, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Right Finger Phalanx, Percutaneous Approach     | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Right Finger Phalanx, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Right Finger Phalanx, Perc Endo Approach        | 142                | Partial excision           |
| 10                    | 0PBW0ZX              | Excision of Left Finger Phalanx, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0PBW0ZZ              | Excision of Left Finger Phalanx, Open Approach              | 142                | Partial excision           |
| 10                    | 0PBW3ZX              | Excision of Left Finger Phalanx, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0PBW3ZZ              | Excision of Left Finger Phalanx, Percutaneous Approach      | 142                | Partial excision           |
| 10                    | 0PBW4ZX              | Excision of Left Finger Phalanx, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0PBW4ZZ              | Excision of Left Finger Phalanx, Perc Endo Approach         | 142                | Partial excision           |
| 10                    | 0PJY0ZZ              | Inspection of Upper Bone, Open Approach                     | 159                | Other diagnostic           |
| 10                    | 0PJY3ZZ              | Inspection of Upper Bone, Percutaneous Approach             | 159                | Other diagnostic           |
| 10                    | 0PJY4ZZ              | Inspection of Upper Bone, Percutaneous Endoscopic Approach  | 159                | Other diagnostic           |
| 10                    | 0PJYXZZ              | Inspection of Upper Bone, External Approach                 | 159                | Other diagnostic           |
| 10                    | 0Q900ZX              | Drainage of Lumbar Vertebra, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0Q903ZX              | Drainage of Lumbar Vertebra, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0Q904ZX              | Drainage of Lumbar Vertebra, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0Q910ZX              | Drainage of Sacrum, Open Approach, Diagnostic               | 159                | Other diagnostic           |
| 10                    | 0Q913ZX              | Drainage of Sacrum, Percutaneous Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 0Q914ZX              | Drainage of Sacrum, Percutaneous Endoscopic Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0Q920ZX              | Drainage of Right Pelvic Bone, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0Q923ZX              | Drainage of Right Pelvic Bone, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0Q924ZX              | Drainage of Right Pelvic Bone, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0Q930ZX              | Drainage of Left Pelvic Bone, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0Q933ZX              | Drainage of Left Pelvic Bone, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q934ZX              | Drainage of Left Pelvic Bone, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0Q940ZX              | Drainage of Right Acetabulum, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0Q943ZX              | Drainage of Right Acetabulum, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q944ZX              | Drainage of Right Acetabulum, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0Q950ZX              | Drainage of Left Acetabulum, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0Q953ZX              | Drainage of Left Acetabulum, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0Q954ZX              | Drainage of Left Acetabulum, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0Q960ZX              | Drainage of Right Upper Femur, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0Q963ZX              | Drainage of Right Upper Femur, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0Q964ZX              | Drainage of Right Upper Femur, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0Q970ZX              | Drainage of Left Upper Femur, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0Q973ZX              | Drainage of Left Upper Femur, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q974ZX              | Drainage of Left Upper Femur, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0Q980ZX              | Drainage of Right Femoral Shaft, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0Q983ZX              | Drainage of Right Femoral Shaft, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0Q984ZX              | Drainage of Right Femoral Shaft, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q990ZX              | Drainage of Left Femoral Shaft, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0Q993ZX              | Drainage of Left Femoral Shaft, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0Q994ZX              | Drainage of Left Femoral Shaft, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0Q980ZX              | Drainage of Right Lower Femur, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0Q983ZX              | Drainage of Right Lower Femur, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 0Q984ZX              | Drainage of Right Lower Femur, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0Q9C0ZX              | Drainage of Left Lower Femur, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0Q9C3ZX              | Drainage of Left Lower Femur, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q9C4ZX              | Drainage of Left Lower Femur, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0Q9D0ZX              | Drainage of Right Patella, Open Approach, Diagnostic        | 159                | Other diagnostic           |
| 10                    | 0Q9D3ZX              | Drainage of Right Patella, Percutaneous Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 0Q9D4ZX              | Drainage of Right Patella, Perc Endo Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0Q9F0ZX              | Drainage of Left Patella, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0Q9F3ZX              | Drainage of Left Patella, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0Q9F4ZX              | Drainage of Left Patella, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0Q9G0ZX              | Drainage of Right Tibia, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0Q9G3ZX              | Drainage of Right Tibia, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0Q9G4ZX              | Drainage of Right Tibia, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0Q9H0ZX              | Drainage of Left Tibia, Open Approach, Diagnostic           | 159                | Other diagnostic           |
| 10                    | 0Q9H3ZX              | Drainage of Left Tibia, Percutaneous Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0Q9H4ZX              | Drainage of Left Tibia, Perc Endo Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0Q9I0ZX              | Drainage of Right Fibula, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0Q9I3ZX              | Drainage of Right Fibula, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0Q9I4ZX              | Drainage of Right Fibula, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0Q9K0ZX              | Drainage of Left Fibula, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0Q9K3ZX              | Drainage of Left Fibula, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0Q9K4ZX              | Drainage of Left Fibula, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0Q9L0ZX              | Drainage of Right Tarsal, Open Approach, Diagnostic         | 159                | Other diagnostic           |
| 10                    | 0Q9L3ZX              | Drainage of Right Tarsal, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 0Q9L4ZX              | Drainage of Right Tarsal, Perc Endo Approach, Diagn         | 159                | Other diagnostic           |
| 10                    | 0Q9M0ZX              | Drainage of Left Tarsal, Open Approach, Diagnostic          | 159                | Other diagnostic           |
| 10                    | 0Q9M3ZX              | Drainage of Left Tarsal, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0Q9M4ZX              | Drainage of Left Tarsal, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0Q9N0ZX              | Drainage of Right Metatarsal, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0Q9N3ZX              | Drainage of Right Metatarsal, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0Q9N4ZX              | Drainage of Right Metatarsal, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0Q9P0ZX              | Drainage of Left Metatarsal, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 0Q9P3ZX              | Drainage of Left Metatarsal, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0QB10ZX              | Excision of Right Fibula, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0QB10ZZ              | Excision of Right Fibula, Open Approach                    | 142                | Partial excision          |
| 10                    | 0QB13ZX              | Excision of Right Fibula, Percutaneous Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0QB13ZZ              | Excision of Right Fibula, Percutaneous Approach            | 142                | Partial excision          |
| 10                    | 0QB14ZX              | Excision of Right Fibula, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0QB14ZZ              | Excision of Right Fibula, Percutaneous Endoscopic Approach | 142                | Partial excision          |
| 10                    | 0QBK0ZX              | Excision of Left Fibula, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0QBK0ZZ              | Excision of Left Fibula, Open Approach                     | 142                | Partial excision          |
| 10                    | 0QBK3ZX              | Excision of Left Fibula, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0QBK3ZZ              | Excision of Left Fibula, Percutaneous Approach             | 142                | Partial excision          |
| 10                    | 0QBK4ZX              | Excision of Left Fibula, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0QBK4ZZ              | Excision of Left Fibula, Percutaneous Endoscopic Approach  | 142                | Partial excision          |
| 10                    | 0QBL0ZX              | Excision of Right Tarsal, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0QBL0ZZ              | Excision of Right Tarsal, Open Approach                    | 142                | Partial excision          |
| 10                    | 0QBL3ZX              | Excision of Right Tarsal, Percutaneous Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0QBL3ZZ              | Excision of Right Tarsal, Percutaneous Approach            | 142                | Partial excision          |
| 10                    | 0QBL4ZX              | Excision of Right Tarsal, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0QBL4ZZ              | Excision of Right Tarsal, Percutaneous Endoscopic Approach | 142                | Partial excision          |
| 10                    | 0QBM0ZX              | Excision of Left Tarsal, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0QBM0ZZ              | Excision of Left Tarsal, Open Approach                     | 142                | Partial excision          |
| 10                    | 0QBM3ZX              | Excision of Left Tarsal, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0QBM3ZZ              | Excision of Left Tarsal, Percutaneous Approach             | 142                | Partial excision          |
| 10                    | 0QBM4ZX              | Excision of Left Tarsal, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0QBM4ZZ              | Excision of Left Tarsal, Percutaneous Endoscopic Approach  | 142                | Partial excision          |
| 10                    | 0QBN0ZX              | Excision of Right Metatarsal, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0QBN0ZZ              | Excision of Right Metatarsal, Open Approach                | 142                | Partial excision          |
| 10                    | 0QBN3ZX              | Excision of Right Metatarsal, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0QBN3ZZ              | Excision of Right Metatarsal, Percutaneous Approach        | 142                | Partial excision          |
| 10                    | 0QBN4ZX              | Excision of Right Metatarsal, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0QBN4ZZ              | Excision of Right Metatarsal, Perc Endo Approach           | 142                | Partial excision          |
| 10                    | 0QBP0ZX              | Excision of Left Metatarsal, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0QBP0ZZ              | Excision of Left Metatarsal, Open Approach                 | 142                | Partial excision          |
| 10                    | 0QBP3ZX              | Excision of Left Metatarsal, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0QBP3ZZ              | Excision of Left Metatarsal, Percutaneous Approach         | 142                | Partial excision          |
| 10                    | 0QBP4ZX              | Excision of Left Metatarsal, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0QBP4ZZ              | Excision of Left Metatarsal, Perc Endo Approach            | 142                | Partial excision          |
| 10                    | 0QBQ0ZX              | Excision of Right Toe Phalanx, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0QBQ0ZZ              | Excision of Right Toe Phalanx, Open Approach               | 142                | Partial excision          |
| 10                    | 0QBQ3ZX              | Excision of Right Toe Phalanx, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0QBQ3ZZ              | Excision of Right Toe Phalanx, Percutaneous Approach       | 142                | Partial excision          |
| 10                    | 0QBQ4ZX              | Excision of Right Toe Phalanx, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0QBQ4ZZ              | Excision of Right Toe Phalanx, Perc Endo Approach          | 142                | Partial excision          |
| 10                    | 0QBR0ZX              | Excision of Left Toe Phalanx, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0QBR0ZZ              | Excision of Left Toe Phalanx, Open Approach                | 142                | Partial excision          |
| 10                    | 0QBR3ZX              | Excision of Left Toe Phalanx, Percutaneous Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0QBR3ZZ              | Excision of Left Toe Phalanx, Percutaneous Approach        | 142                | Partial excision          |
| 10                    | 0QBR4ZX              | Excision of Left Toe Phalanx, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0QBR4ZZ              | Excision of Left Toe Phalanx, Perc Endo Approach           | 142                | Partial excision          |
| 10                    | 0QBS0ZX              | Excision of Coccyx, Open Approach, Diagnostic              | 159                | Other diagnostic          |
| 10                    | 0QBS0ZZ              | Excision of Coccyx, Open Approach                          | 142                | Partial excision          |
| 10                    | 0QBS3ZX              | Excision of Coccyx, Percutaneous Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0QBS3ZZ              | Excision of Coccyx, Percutaneous Approach                  | 142                | Partial excision          |
| 10                    | 0QBS4ZX              | Excision of Coccyx, Percutaneous Endoscopic Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0QBS4ZZ              | Excision of Coccyx, Percutaneous Endoscopic Approach       | 142                | Partial excision          |
| 10                    | 0QJY0ZX              | Inspection of Lower Bone, Open Approach                    | 159                | Other diagnostic          |
| 10                    | 0QJY3ZZ              | Inspection of Lower Bone, Percutaneous Approach            | 159                | Other diagnostic          |
| 10                    | 0QJY4ZZ              | Inspection of Lower Bone, Percutaneous Endoscopic Approach | 159                | Other diagnostic          |
| 10                    | 0QJYZZ               | Inspection of Lower Bone, External Approach                | 159                | Other diagnostic          |
| 10                    | 0R530ZZ              | Destruction of Cervical Vertebral Disc, Open Approach      | 3                  | Excision destruct         |
| 10                    | 0R533ZZ              | Destruction of Cervical Vertebral Disc, Perc Approach      | 3                  | Excision destruct         |
| 10                    | 0R534ZZ              | Destruction of Cervical Vertebral Disc, Perc Endo Approach | 3                  | Excision destruct         |
| 10                    | 0R550ZZ              | Destruction of Cervicothoracic Vertebral Disc, Open Approa | 3                  | Excision destruct         |
| 10                    | 0R553ZZ              | Destruction of Cervicothoracic Vertebral Disc, Perc Approa | 3                  | Excision destruct         |
| 10                    | 0R554ZZ              | Destruction of C-thor Disc, Perc Endo Approach             | 3                  | Excision destruct         |
| 10                    | 0R590ZZ              | Destruction of Thoracic Vertebral Disc, Open Approach      | 3                  | Excision destruct         |
| 10                    | 0R593ZZ              | Destruction of Thoracic Vertebral Disc, Perc Approach      | 3                  | Excision destruct         |
| 10                    | 0R594ZZ              | Destruction of Thoracic Vertebral Disc, Perc Endo Approach | 3                  | Excision destruct         |
| 10                    | 0R5B0ZZ              | Destruction of Thoracolumbar Vertebral Disc, Open Approach | 3                  | Excision destruct         |
| 10                    | 0R5B3ZZ              | Destruction of Thoracolumbar Vertebral Disc, Perc Approach | 3                  | Excision destruct         |
| 10                    | 0R5B4ZZ              | Destruction of T-lum Disc, Perc Endo Approach              | 3                  | Excision destruct         |
| 10                    | 0R900ZX              | Drainage of Occipital-cervical Joint, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R903ZX              | Drainage of Occipital-cervical Joint, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R904ZX              | Drainage of Occip Jt, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0R910ZX              | Drainage of Cervical Vertebral Joint, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R913ZX              | Drainage of Cervical Vertebral Joint, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R914ZX              | Drainage of Cerv Jt, Perc Endo Approach, Diagn             | 159                | Other diagnostic          |
| 10                    | 0R930ZX              | Drainage of Cervical Vertebral Disc, Open Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R933ZX              | Drainage of Cervical Vertebral Disc, Perc Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R934ZX              | Drainage of Cerv Disc, Perc Endo Approach, Diagn           | 159                | Other diagnostic          |
| 10                    | 0R940ZX              | Drainage of C-thor Jt, Open Approach, Diagn                | 159                | Other diagnostic          |
| 10                    | 0R943ZX              | Drainage of C-thor Jt, Perc Approach, Diagn                | 159                | Other diagnostic          |
| 10                    | 0R944ZX              | Drainage of C-thor Jt, Perc Endo Approach, Diagn           | 159                | Other diagnostic          |
| 10                    | 0R950ZX              | Drainage of C-thor Disc, Open Approach, Diagn              | 159                | Other diagnostic          |
| 10                    | 0R953ZX              | Drainage of C-thor Disc, Perc Approach, Diagn              | 159                | Other diagnostic          |
| 10                    | 0R954ZX              | Drainage of C-thor Disc, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0R960ZX              | Drainage of Thoracic Vertebral Joint, Open Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R963ZX              | Drainage of Thoracic Vertebral Joint, Perc Approach, Diagn | 159                | Other diagnostic          |
| 10                    | 0R964ZX              | Drainage of Thor Jt, Perc Endo Approach, Diagn             | 159                | Other diagnostic          |
| 10                    | 0R990ZX              | Drainage of Thoracic Vertebral Disc, Open Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R993ZX              | Drainage of Thoracic Vertebral Disc, Perc Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R994ZX              | Drainage of Thor Disc, Perc Endo Approach, Diagn           | 159                | Other diagnostic          |
| 10                    | 0R9A0ZX              | Drainage of T-lum Jt, Open Approach, Diagn                 | 159                | Other diagnostic          |
| 10                    | 0R9A3ZX              | Drainage of T-lum Jt, Perc Approach, Diagn                 | 159                | Other diagnostic          |
| 10                    | 0R9A4ZX              | Drainage of T-lum Jt, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0R9B0ZX              | Drainage of T-lum Disc, Open Approach, Diagn               | 159                | Other diagnostic          |
| 10                    | 0R9B3ZX              | Drainage of T-lum Disc, Perc Approach, Diagn               | 159                | Other diagnostic          |
| 10                    | 0R9B4ZX              | Drainage of T-lum Disc, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0R9C0ZX              | Drainage of R Temporomandib Jt, Open Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0R9C3ZX              | Drainage of R Temporomandib Jt, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0R9C4ZX              | Drainage of R Temporomandib Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R9D0ZX              | Drainage of L Temporomandib Jt, Open Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0R9D3ZX              | Drainage of L Temporomandib Jt, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0R9D4ZX              | Drainage of L Temporomandib Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0R9E0ZX              | Drainage of R Sternoclav Jt, Open Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0R9E3ZX              | Drainage of R Sternoclav Jt, Perc Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0R9E4ZX              | Drainage of R Sternoclav Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0R9F0ZX              | Drainage of L Sternoclav Jt, Open Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0R9F3ZX              | Drainage of L Sternoclav Jt, Perc Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0R9F4ZX              | Drainage of L Sternoclav Jt, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0R9G0ZX              | Drainage of R Acromioclav Jt, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0R9G3ZX              | Drainage of R Acromioclav Jt, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0R9G4ZX              | Drainage of R Acromioclav Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0R9H0ZX              | Drainage of L Acromioclav Jt, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0R9H3ZX              | Drainage of L Acromioclav Jt, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0R9H4ZX              | Drainage of L Acromioclav Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0R9J0ZX              | Drainage of Right Shoulder Joint, Open Approach, Diagnostic | 159                | Other diagnostic           |
| 10                    | 0R9J3ZX              | Drainage of Right Shoulder Joint, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0R9J4ZX              | Drainage of Right Shoulder Joint, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0R9K0ZX              | Drainage of Left Shoulder Joint, Open Approach, Diagnostic  | 159                | Other diagnostic           |
| 10                    | 0R9K3ZX              | Drainage of Left Shoulder Joint, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0R9K4ZX              | Drainage of Left Shoulder Joint, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0R9L0ZX              | Drainage of Right Elbow Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0R9L3ZX              | Drainage of Right Elbow Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0R9L4ZX              | Drainage of Right Elbow Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0R9M0ZX              | Drainage of Left Elbow Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0R9M3ZX              | Drainage of Left Elbow Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0R9M4ZX              | Drainage of Left Elbow Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0R9N0ZX              | Drainage of Right Wrist Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0R9N3ZX              | Drainage of Right Wrist Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0R9N4ZX              | Drainage of Right Wrist Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0R9P0ZX              | Drainage of Left Wrist Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 0R9P3ZX              | Drainage of Left Wrist Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0R9P4ZX              | Drainage of Left Wrist Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0R9Q0ZX              | Drainage of Right Carpal Joint, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 0R9Q3ZX              | Drainage of Right Carpal Joint, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0R9Q4ZX              | Drainage of Right Carpal Joint, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0R9R0ZX              | Drainage of Left Carpal Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 0R9R3ZX              | Drainage of Left Carpal Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 0R9R4ZX              | Drainage of Left Carpal Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 0R9S0ZX              | Drainage of R Metacarpocarp Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9S3ZX              | Drainage of R Metacarpocarp Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9S4ZX              | Drainage of R Metacarpocarp Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0R9T0ZX              | Drainage of Left Metacarpocarpal Joint, Open Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0R9T3ZX              | Drainage of Left Metacarpocarpal Joint, Perc Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 0R9T4ZX              | Drainage of L Metacarpocarp Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0R9U0ZX              | Drainage of R Metacarpophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9U3ZX              | Drainage of R Metacarpophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9U4ZX              | Drainage of R Metacarpophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0R9V0ZX              | Drainage of L Metacarpophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9V3ZX              | Drainage of L Metacarpophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0R9V4ZX              | Drainage of L Metacarpophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0R9W0ZX              | Drainage of R Finger Phalanx Jt, Open Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0R9W3ZX              | Drainage of R Finger Phalanx Jt, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0R9W4ZX              | Drainage of R Finger Phalanx Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0R9X0ZX              | Drainage of L Finger Phalanx Jt, Open Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0R9X3ZX              | Drainage of L Finger Phalanx Jt, Perc Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 0R9X4ZX              | Drainage of L Finger Phalanx Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB00ZX              | Excision of Occipital-cervical Joint, Open Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB03ZX              | Excision of Occipital-cervical Joint, Perc Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB04ZX              | Excision of Occip Jt, Perc Endo Approach, Diagn             | 159                | Other diagnostic           |
| 10                    | 0RB10ZX              | Excision of Cervical Vertebral Joint, Open Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB13ZX              | Excision of Cervical Vertebral Joint, Perc Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB14ZX              | Excision of Cerv Jt, Perc Endo Approach, Diagn              | 159                | Other diagnostic           |
| 10                    | 0RB30ZX              | Excision of Cervical Vertebral Disc, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RB30ZZ              | Excision of Cervical Vertebral Disc, Open Approach          | 3                  | Excision destruct          |
| 10                    | 0RB33ZX              | Excision of Cervical Vertebral Disc, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RB33ZZ              | Excision of Cervical Vertebral Disc, Percutaneous Approach  | 3                  | Excision destruct          |
| 10                    | 0RB34ZX              | Excision of Cerv Disc, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0RB34ZZ              | Excision of Cervical Vertebral Disc, Perc Endo Approach     | 3                  | Excision destruct          |
| 10                    | 0RB40ZX              | Excision of C-thor Jt, Open Approach, Diagn                 | 159                | Other diagnostic           |
| 10                    | 0RB43ZX              | Excision of C-thor Jt, Perc Approach, Diagn                 | 159                | Other diagnostic           |
| 10                    | 0RB44ZX              | Excision of C-thor Jt, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0RB50ZX              | Excision of C-thor Disc, Open Approach, Diagn               | 159                | Other diagnostic           |
| 10                    | 0RB50ZZ              | Excision of Cervicothoracic Vertebral Disc, Open Approach   | 3                  | Excision destruct          |
| 10                    | 0RB53ZX              | Excision of C-thor Disc, Perc Approach, Diagn               | 159                | Other diagnostic           |
| 10                    | 0RB53ZZ              | Excision of Cervicothoracic Vertebral Disc, Perc Approach   | 3                  | Excision destruct          |
| 10                    | 0RB54ZX              | Excision of C-thor Disc, Perc Endo Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0RB54ZZ              | Excision of C-thor Disc, Perc Endo Approach                 | 3                  | Excision destruct          |
| 10                    | 0RB60ZX              | Excision of Thoracic Vertebral Joint, Open Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB63ZX              | Excision of Thoracic Vertebral Joint, Perc Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 0RB64ZX              | Excision of Thor Jt, Perc Endo Approach, Diagn              | 159                | Other diagnostic           |
| 10                    | 0RB90ZX              | Excision of Thoracic Vertebral Disc, Open Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RB90ZZ              | Excision of Thoracic Vertebral Disc, Open Approach          | 3                  | Excision destruct          |
| 10                    | 0RB93ZX              | Excision of Thoracic Vertebral Disc, Perc Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RB93ZZ              | Excision of Thoracic Vertebral Disc, Percutaneous Approach  | 3                  | Excision destruct          |
| 10                    | 0RB94ZX              | Excision of Thor Disc, Perc Endo Approach, Diagn            | 159                | Other diagnostic           |
| 10                    | 0RB94ZZ              | Excision of Thoracic Vertebral Disc, Perc Endo Approach     | 3                  | Excision destruct          |
| 10                    | 0RBA0ZX              | Excision of T-lum Jt, Open Approach, Diagn                  | 159                | Other diagnostic           |
| 10                    | 0RBA3ZX              | Excision of T-lum Jt, Perc Approach, Diagn                  | 159                | Other diagnostic           |
| 10                    | 0RBA4ZX              | Excision of T-lum Jt, Perc Endo Approach, Diagn             | 159                | Other diagnostic           |
| 10                    | 0RBB0ZX              | Excision of T-lum Disc, Open Approach, Diagn                | 159                | Other diagnostic           |
| 10                    | 0RBB0ZZ              | Excision of Thoracolumbar Vertebral Disc, Open Approach     | 3                  | Excision destruct          |
| 10                    | 0RBB3ZX              | Excision of T-lum Disc, Perc Approach, Diagn                | 159                | Other diagnostic           |
| 10                    | 0RBB3ZZ              | Excision of Thoracolumbar Vertebral Disc, Perc Approach     | 3                  | Excision destruct          |
| 10                    | 0RBB4ZX              | Excision of T-lum Disc, Perc Endo Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0RBB4ZZ              | Excision of Thoracolumbar Vertebral Disc, Perc Endo Approa  | 3                  | Excision destruct          |
| 10                    | 0RBC0ZX              | Excision of R Temporomandib Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0RBC3ZX              | Excision of R Temporomandib Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0RBC4ZX              | Excision of R Temporomandib Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RBD0ZX              | Excision of L Temporomandib Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0RBD3ZX              | Excision of L Temporomandib Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 0RBD4ZX              | Excision of L Temporomandib Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 0RBE0ZX              | Excision of R Sternoclav Jt, Open Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0RBE3ZX              | Excision of R Sternoclav Jt, Perc Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0RBE4ZX              | Excision of R Sternoclav Jt, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0RBF0ZX              | Excision of L Sternoclav Jt, Open Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0RBF3ZX              | Excision of L Sternoclav Jt, Perc Approach, Diagn           | 159                | Other diagnostic           |
| 10                    | 0RBF4ZX              | Excision of L Sternoclav Jt, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 0RBG0ZX              | Excision of R Acromioclav Jt, Open Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0RBG3ZX              | Excision of R Acromioclav Jt, Perc Approach, Diagn          | 159                | Other diagnostic           |
| 10                    | 0RBG4ZX              | Excision of R Acromioclav Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 0RBH0ZX              | Excision of L Acromioclav Jt, Open Approach, Diagn          | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0RBH3ZX              | Excision of L Acromioclav Jt, Perc Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0RBH4ZX              | Excision of L Acromioclav Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0RBJ0ZX              | Excision of Right Shoulder Joint, Open Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0RBJ3ZX              | Excision of Right Shoulder Joint, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0RBJ4ZX              | Excision of Right Shoulder Joint, Perc Endo Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0RBK0ZX              | Excision of Left Shoulder Joint, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0RBK3ZX              | Excision of Left Shoulder Joint, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0RBK4ZX              | Excision of Left Shoulder Joint, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0RBL0ZX              | Excision of Right Elbow Joint, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0RBL3ZX              | Excision of Right Elbow Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0RBL4ZX              | Excision of Right Elbow Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0RBM0ZX              | Excision of Left Elbow Joint, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0RBM3ZX              | Excision of Left Elbow Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0RBM4ZX              | Excision of Left Elbow Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0RBN0ZX              | Excision of Right Wrist Joint, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0RBN3ZX              | Excision of Right Wrist Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0RBN4ZX              | Excision of Right Wrist Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0RBP0ZX              | Excision of Left Wrist Joint, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0RBP3ZX              | Excision of Left Wrist Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0RBP4ZX              | Excision of Left Wrist Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0RBQ0ZX              | Excision of Right Carpal Joint, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0RBQ3ZX              | Excision of Right Carpal Joint, Percutaneous Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0RBQ4ZX              | Excision of Right Carpal Joint, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0RBR0ZX              | Excision of Left Carpal Joint, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0RBR3ZX              | Excision of Left Carpal Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0RBR4ZX              | Excision of Left Carpal Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0RBS0ZX              | Excision of R Metacarpocarp Jt, Open Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBS3ZX              | Excision of R Metacarpocarp Jt, Perc Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBS4ZX              | Excision of R Metacarpocarp Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0RBT0ZX              | Excision of Left Metacarpocarpal Joint, Open Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0RBT3ZX              | Excision of Left Metacarpocarpal Joint, Perc Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0RBT4ZX              | Excision of L Metacarpocarp Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0RBU0ZX              | Excision of R Metacarpophal Jt, Open Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBU3ZX              | Excision of R Metacarpophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBU4ZX              | Excision of R Metacarpophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0RBV0ZX              | Excision of L Metacarpophal Jt, Open Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBV3ZX              | Excision of L Metacarpophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0RBV4ZX              | Excision of L Metacarpophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0RBW0ZX              | Excision of R Finger Phalanx Jt, Open Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0RBW3ZX              | Excision of R Finger Phalanx Jt, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0RBW4ZX              | Excision of R Finger Phalanx Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0RBX0ZX              | Excision of L Finger Phalanx Jt, Open Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0RBX3ZX              | Excision of L Finger Phalanx Jt, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0RBX4ZX              | Excision of L Finger Phalanx Jt, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0RG0070              | Fusion Occip Jt w Autol Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG0071              | Fusion Occip Jt w Autol Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG0072              | Fusion Occip Jt w Autol Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG00A0              | Fusion Occip Jt w Intbd Fus Dev, Ant Appr A Col, Open       | 158                | Spinal fusion             |
| 10                    | 0RG00A1              | Fusion Occip Jt w Intbd Fus Dev, Post Appr P Col, Open      | 158                | Spinal fusion             |
| 10                    | 0RG00A2              | Fusion Occip Jt w Intbd Fus Dev, Post Appr A Col, Open      | 158                | Spinal fusion             |
| 10                    | 0RG00J0              | Fusion Occip Jt w Synth Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG00J1              | Fusion Occip Jt w Synth Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG00J2              | Fusion Occip Jt w Synth Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG00K0              | Fusion Occip Jt w Nonaub Sub, Ant Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG00K1              | Fusion Occip Jt w Nonaub Sub, Post Appr P Col, Open         | 158                | Spinal fusion             |
| 10                    | 0RG00K2              | Fusion Occip Jt w Nonaub Sub, Post Appr A Col, Open         | 158                | Spinal fusion             |
| 10                    | 0RG00Z0              | Fusion of Occip Jt, Ant Appr A Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | 0RG00Z1              | Fusion of Occip Jt, Post Appr P Col, Open Approach          | 158                | Spinal fusion             |
| 10                    | 0RG00Z2              | Fusion of Occip Jt, Post Appr A Col, Open Approach          | 158                | Spinal fusion             |
| 10                    | 0RG0370              | Fusion Occip Jt w Autol Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 0RG0371              | Fusion Occip Jt w Autol Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | 0RG0372              | Fusion Occip Jt w Autol Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 0RG03A0              | Fusion Occip Jt w Intbd Fus Dev, Ant Appr A Col, Perc       | 158                | Spinal fusion             |
| 10                    | 0RG03A1              | Fusion Occip Jt w Intbd Fus Dev, Post Appr P Col, Perc      | 158                | Spinal fusion             |
| 10                    | 0RG03A2              | Fusion Occip Jt w Intbd Fus Dev, Post Appr A Col, Perc      | 158                | Spinal fusion             |
| 10                    | 0RG03J0              | Fusion Occip Jt w Synth Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 0RG03J1              | Fusion Occip Jt w Synth Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | 0RG03J2              | Fusion Occip Jt w Synth Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 0RG03K0              | Fusion Occip Jt w Nonaub Sub, Ant Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 0RG03K1              | Fusion Occip Jt w Nonaub Sub, Post Appr P Col, Perc         | 158                | Spinal fusion             |
| 10                    | 0RG03K2              | Fusion Occip Jt w Nonaub Sub, Post Appr A Col, Perc         | 158                | Spinal fusion             |
| 10                    | 0RG03Z0              | Fusion of Occip Jt, Ant Appr A Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | 0RG03Z1              | Fusion of Occip Jt, Post Appr P Col, Perc Approach          | 158                | Spinal fusion             |
| 10                    | 0RG03Z2              | Fusion of Occip Jt, Post Appr A Col, Perc Approach          | 158                | Spinal fusion             |
| 10                    | 0RG0470              | Fusion Occip Jt w Autol Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 0RG0471              | Fusion Occip Jt w Autol Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 0RG0472              | Fusion Occip Jt w Autol Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 0RG04A0              | Fusion Occip Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | 0RG04A1              | Fusion Occip Jt w Intbd Fus Dev, Post Appr P Col, Perc End  | 158                | Spinal fusion             |
| 10                    | 0RG04A2              | Fusion Occip Jt w Intbd Fus Dev, Post Appr A Col, Perc End  | 158                | Spinal fusion             |
| 10                    | 0RG04J0              | Fusion Occip Jt w Synth Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 0RG04J1              | Fusion Occip Jt w Synth Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 0RG04J2              | Fusion Occip Jt w Synth Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 0RG04K0              | Fusion Occip Jt w Nonaub Sub, Ant Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 0RG04K1              | Fusion Occip Jt w Nonaub Sub, Post Appr P Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | 0RG04K2              | Fusion Occip Jt w Nonaub Sub, Post Appr A Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | 0RG04Z0              | Fusion of Occip Jt, Ant Appr A Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | 0RG04Z1              | Fusion of Occip Jt, Post Appr P Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | 0RG04Z2              | Fusion of Occip Jt, Post Appr A Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | 0RG1070              | Fusion Cerv Jt w Autol Sub, Ant Appr A Col, Open            | 158                | Spinal fusion             |
| 10                    | 0RG1071              | Fusion Cerv Jt w Autol Sub, Post Appr P Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG1072              | Fusion Cerv Jt w Autol Sub, Post Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG10A0              | Fusion Cerv Jt w Intbd Fus Dev, Ant Appr A Col, Open        | 158                | Spinal fusion             |
| 10                    | 0RG10A1              | Fusion Cerv Jt w Intbd Fus Dev, Post Appr P Col, Open       | 158                | Spinal fusion             |
| 10                    | 0RG10A2              | Fusion Cerv Jt w Intbd Fus Dev, Post Appr A Col, Open       | 158                | Spinal fusion             |
| 10                    | 0RG10J0              | Fusion Cerv Jt w Synth Sub, Ant Appr A Col, Open            | 158                | Spinal fusion             |
| 10                    | 0RG10J1              | Fusion Cerv Jt w Synth Sub, Post Appr P Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG10J2              | Fusion Cerv Jt w Synth Sub, Post Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG10K0              | Fusion Cerv Jt w Nonaub Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 0RG10K1              | Fusion Cerv Jt w Nonaub Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG10K2              | Fusion Cerv Jt w Nonaub Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 0RG10Z0              | Fusion of Cerv Jt, Ant Appr A Col, Open Approach            | 158                | Spinal fusion             |
| 10                    | 0RG10Z1              | Fusion of Cerv Jt, Post Appr P Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | 0RG10Z2              | Fusion of Cerv Jt, Post Appr A Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | 0RG1370              | Fusion Cerv Jt w Autol Sub, Ant Appr A Col, Perc            | 158                | Spinal fusion             |
| 10                    | 0RG1371              | Fusion Cerv Jt w Autol Sub, Post Appr P Col, Perc           | 158                | Spinal fusion             |







The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | ORG80A1              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr P Col, Open       | 158                | Spinal fusion             |
| 10                    | ORG80AJ              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr A Col, Open       | 158                | Spinal fusion             |
| 10                    | ORG80J0              | Fusion >7 T Jt w Synth Sub, Ant Appr A Col, Open            | 158                | Spinal fusion             |
| 10                    | ORG80J1              | Fusion >7 T Jt w Synth Sub, Post Appr P Col, Open           | 158                | Spinal fusion             |
| 10                    | ORG80J1              | Fusion >7 T Jt w Synth Sub, Post Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | ORG80K0              | Fusion >7 T Jt w Nonaut Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | ORG80K1              | Fusion >7 T Jt w Nonaut Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | ORG80KJ              | Fusion >7 T Jt w Nonaut Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | ORG80Z0              | Fusion of >7 T Jt, Ant Appr A Col, Open Approach            | 158                | Spinal fusion             |
| 10                    | ORG80Z1              | Fusion of >7 T Jt, Post Appr P Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | ORG80Z2              | Fusion of >7 T Jt, Post Appr A Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | ORG8370              | Fusion >7 T Jt w Autol Sub, Ant Appr A Col, Perc            | 158                | Spinal fusion             |
| 10                    | ORG8371              | Fusion >7 T Jt w Autol Sub, Post Appr P Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORG837J              | Fusion >7 T Jt w Autol Sub, Post Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORG83A0              | Fusion >7 T Jt w Intbd Fus Dev, Ant Appr A Col, Perc        | 158                | Spinal fusion             |
| 10                    | ORG83A1              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr P Col, Perc       | 158                | Spinal fusion             |
| 10                    | ORG83AJ              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr A Col, Perc       | 158                | Spinal fusion             |
| 10                    | ORG83J0              | Fusion >7 T Jt w Synth Sub, Ant Appr A Col, Perc            | 158                | Spinal fusion             |
| 10                    | ORG83J1              | Fusion >7 T Jt w Synth Sub, Post Appr P Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORG83J1              | Fusion >7 T Jt w Synth Sub, Post Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORG83K0              | Fusion >7 T Jt w Nonaut Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORG83K1              | Fusion >7 T Jt w Nonaut Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORG83KJ              | Fusion >7 T Jt w Nonaut Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORG83Z0              | Fusion of >7 T Jt, Ant Appr A Col, Perc Approach            | 158                | Spinal fusion             |
| 10                    | ORG83Z1              | Fusion of >7 T Jt, Post Appr P Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | ORG83Z2              | Fusion of >7 T Jt, Post Appr A Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | ORG8470              | Fusion >7 T Jt w Autol Sub, Ant Appr A Col, Perc Endo       | 158                | Spinal fusion             |
| 10                    | ORG8471              | Fusion >7 T Jt w Autol Sub, Post Appr P Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORG847J              | Fusion >7 T Jt w Autol Sub, Post Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORG84A0              | Fusion >7 T Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo   | 158                | Spinal fusion             |
| 10                    | ORG84A1              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr P Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | ORG84AJ              | Fusion >7 T Jt w Intbd Fus Dev, Post Appr A Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | ORG84J0              | Fusion >7 T Jt w Synth Sub, Ant Appr A Col, Perc Endo       | 158                | Spinal fusion             |
| 10                    | ORG84J1              | Fusion >7 T Jt w Synth Sub, Post Appr P Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORG84J1              | Fusion >7 T Jt w Synth Sub, Post Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORG84K0              | Fusion >7 T Jt w Nonaut Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORG84K1              | Fusion >7 T Jt w Nonaut Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORG84KJ              | Fusion >7 T Jt w Nonaut Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORG84Z0              | Fusion of >7 T Jt, Ant Appr A Col, Perc Endo Approach       | 158                | Spinal fusion             |
| 10                    | ORG84Z1              | Fusion of >7 T Jt, Post Appr P Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | ORG84Z2              | Fusion of >7 T Jt, Post Appr A Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | ORGA070              | Fusion T-lum Jt w Autol Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | ORGA071              | Fusion T-lum Jt w Autol Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | ORGA07J              | Fusion T-lum Jt w Autol Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | ORGA0A0              | Fusion T-lum Jt w Intbd Fus Dev, Ant Appr A Col, Open       | 158                | Spinal fusion             |
| 10                    | ORGA0A1              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr P Col, Open      | 158                | Spinal fusion             |
| 10                    | ORGA0AJ              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr A Col, Open      | 158                | Spinal fusion             |
| 10                    | ORGA0J0              | Fusion T-lum Jt w Synth Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | ORGA0J1              | Fusion T-lum Jt w Synth Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | ORGA0J1              | Fusion T-lum Jt w Synth Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | ORGA0K0              | Fusion T-lum Jt w Nonaut Sub, Ant Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | ORGA0K1              | Fusion T-lum Jt w Nonaut Sub, Post Appr P Col, Open         | 158                | Spinal fusion             |
| 10                    | ORGA0KJ              | Fusion T-lum Jt w Nonaut Sub, Post Appr A Col, Open         | 158                | Spinal fusion             |
| 10                    | ORGA0Z0              | Fusion of T-lum Jt, Ant Appr A Col, Open Approach           | 158                | Spinal fusion             |
| 10                    | ORGA0Z1              | Fusion of T-lum Jt, Post Appr P Col, Open Approach          | 158                | Spinal fusion             |
| 10                    | ORGA0Z2              | Fusion of T-lum Jt, Post Appr A Col, Open Approach          | 158                | Spinal fusion             |
| 10                    | ORGA370              | Fusion T-lum Jt w Autol Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORGA371              | Fusion T-lum Jt w Autol Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORGA37J              | Fusion T-lum Jt w Autol Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORGA3A0              | Fusion T-lum Jt w Intbd Fus Dev, Ant Appr A Col, Perc       | 158                | Spinal fusion             |
| 10                    | ORGA3A1              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr P Col, Perc      | 158                | Spinal fusion             |
| 10                    | ORGA3AJ              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr A Col, Perc      | 158                | Spinal fusion             |
| 10                    | ORGA3J0              | Fusion T-lum Jt w Synth Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | ORGA3J1              | Fusion T-lum Jt w Synth Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORGA3J1              | Fusion T-lum Jt w Synth Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORGA3K0              | Fusion T-lum Jt w Nonaut Sub, Ant Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | ORGA3K1              | Fusion T-lum Jt w Nonaut Sub, Post Appr P Col, Perc         | 158                | Spinal fusion             |
| 10                    | ORGA3KJ              | Fusion T-lum Jt w Nonaut Sub, Post Appr A Col, Perc         | 158                | Spinal fusion             |
| 10                    | ORGA3Z0              | Fusion of T-lum Jt, Ant Appr A Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | ORGA3Z1              | Fusion of T-lum Jt, Post Appr P Col, Perc Approach          | 158                | Spinal fusion             |
| 10                    | ORGA3Z2              | Fusion of T-lum Jt, Post Appr A Col, Perc Approach          | 158                | Spinal fusion             |
| 10                    | ORGA470              | Fusion T-lum Jt w Autol Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORGA471              | Fusion T-lum Jt w Autol Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORGA47J              | Fusion T-lum Jt w Autol Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORGA4A0              | Fusion T-lum Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | ORGA4A1              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr P Col, Perc Endo | 158                | Spinal fusion             |
| 10                    | ORGA4AJ              | Fusion T-lum Jt w Intbd Fus Dev, Post Appr A Col, Perc Endo | 158                | Spinal fusion             |
| 10                    | ORGA4J0              | Fusion T-lum Jt w Synth Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | ORGA4J1              | Fusion T-lum Jt w Synth Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORGA4J1              | Fusion T-lum Jt w Synth Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORGA4K0              | Fusion T-lum Jt w Nonaut Sub, Ant Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | ORGA4K1              | Fusion T-lum Jt w Nonaut Sub, Post Appr P Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | ORGA4KJ              | Fusion T-lum Jt w Nonaut Sub, Post Appr A Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | ORGA4Z0              | Fusion of T-lum Jt, Ant Appr A Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | ORGA4Z1              | Fusion of T-lum Jt, Post Appr P Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | ORGA4Z2              | Fusion of T-lum Jt, Post Appr A Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | ORJ00Z2              | Inspection of Occipital-cervical Joint, Open Approach       | 159                | Other diagnostic          |
| 10                    | ORJ03Z2              | Inspection of Occipital-cervical Joint, Perc Approach       | 159                | Other diagnostic          |
| 10                    | ORJ0XZ2              | Inspection of Occipital-cervical Joint, External Approach   | 159                | Other diagnostic          |
| 10                    | ORJ10Z2              | Inspection of Cervical Vertebral Joint, Open Approach       | 159                | Other diagnostic          |
| 10                    | ORJ13Z2              | Inspection of Cervical Vertebral Joint, Perc Approach       | 159                | Other diagnostic          |
| 10                    | ORJ1XZ2              | Inspection of Cervical Vertebral Joint, External Approach   | 159                | Other diagnostic          |
| 10                    | ORJ30Z2              | Inspection of Cervical Vertebral Disc, Open Approach        | 159                | Other diagnostic          |
| 10                    | ORJ33Z2              | Inspection of Cervical Vertebral Disc, Percutaneous Approa  | 159                | Other diagnostic          |
| 10                    | ORJ3XZ2              | Inspection of Cervical Vertebral Disc, External Approach    | 159                | Other diagnostic          |
| 10                    | ORJ40Z2              | Inspection of Cervicothoracic Vertebral Joint, Open Approa  | 159                | Other diagnostic          |
| 10                    | ORJ43Z2              | Inspection of Cervicothoracic Vertebral Joint, Perc Approa  | 159                | Other diagnostic          |
| 10                    | ORJ4XZ2              | Inspection of C-thor Jt, Extern Approach                    | 159                | Other diagnostic          |
| 10                    | ORJ50Z2              | Inspection of Cervicothoracic Vertebral Disc, Open Approac  | 159                | Other diagnostic          |
| 10                    | ORJ53Z2              | Inspection of Cervicothoracic Vertebral Disc, Perc Approac  | 159                | Other diagnostic          |
| 10                    | ORJ5XZ2              | Inspection of C-thor Disc, Extern Approach                  | 159                | Other diagnostic          |
| 10                    | ORJ60Z2              | Inspection of Thoracic Vertebral Joint, Open Approach       | 159                | Other diagnostic          |
| 10                    | ORJ63Z2              | Inspection of Thoracic Vertebral Joint, Perc Approach       | 159                | Other diagnostic          |
| 10                    | ORJ6XZ2              | Inspection of Thoracic Vertebral Joint, External Approach   | 159                | Other diagnostic          |
| 10                    | ORJ90Z2              | Inspection of Thoracic Vertebral Disc, Open Approach        | 159                | Other diagnostic          |
| 10                    | ORJ93Z2              | Inspection of Thoracic Vertebral Disc, Percutaneous Approa  | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0R9XZZ               | Inspection of Thoracic Vertebral Disc, External Approach   | 159                | Other diagnostic           |
| 10                    | 0RJA0ZZ              | Inspection of Thoracolumbar Vertebral Joint, Open Approach | 159                | Other diagnostic           |
| 10                    | 0RJA3ZZ              | Inspection of Thoracolumbar Vertebral Joint, Perc Approach | 159                | Other diagnostic           |
| 10                    | 0RUAXZZ              | Inspection of Thoracolumbar Vertebral Joint, Extern Approa | 159                | Other diagnostic           |
| 10                    | 0RUB0ZZ              | Inspection of Thoracolumbar Vertebral Disc, Open Approach  | 159                | Other diagnostic           |
| 10                    | 0RUB3ZZ              | Inspection of Thoracolumbar Vertebral Disc, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 0RUBXZZ              | Inspection of Thoracolumbar Vertebral Disc, Extern Approac | 159                | Other diagnostic           |
| 10                    | 0RUC0ZZ              | Inspection of Right Temporomandibular Joint, Open Approach | 159                | Other diagnostic           |
| 10                    | 0RUC3ZZ              | Inspection of Right Temporomandibular Joint, Perc Approach | 159                | Other diagnostic           |
| 10                    | 0RUCXZZ              | Inspection of Right Temporomandibular Joint, Extern Approa | 159                | Other diagnostic           |
| 10                    | 0RUD0ZZ              | Inspection of Left Temporomandibular Joint, Open Approach  | 159                | Other diagnostic           |
| 10                    | 0RUD3ZZ              | Inspection of Left Temporomandibular Joint, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 0RUDXZZ              | Inspection of Left Temporomandibular Joint, Extern Approac | 159                | Other diagnostic           |
| 10                    | 0RE0ZZ               | Inspection of Right Sternoclavicular Joint, Open Approach  | 159                | Other diagnostic           |
| 10                    | 0RE3ZZ               | Inspection of Right Sternoclavicular Joint, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 0REXZZ               | Inspection of Right Sternoclavicular Joint, Extern Approac | 159                | Other diagnostic           |
| 10                    | 0RF0ZZ               | Inspection of Left Sternoclavicular Joint, Open Approach   | 159                | Other diagnostic           |
| 10                    | 0RF3ZZ               | Inspection of Left Sternoclavicular Joint, Perc Approach   | 159                | Other diagnostic           |
| 10                    | 0RFXZZ               | Inspection of Left Sternoclavicular Joint, External Approa | 159                | Other diagnostic           |
| 10                    | 0RG0ZZ               | Inspection of Right Acromioclavicular Joint, Open Approach | 159                | Other diagnostic           |
| 10                    | 0RG3ZZ               | Inspection of Right Acromioclavicular Joint, Perc Approach | 159                | Other diagnostic           |
| 10                    | 0RGXZZ               | Inspection of Right Acromioclavicular Joint, Extern Approa | 159                | Other diagnostic           |
| 10                    | 0RH0ZZ               | Inspection of Left Acromioclavicular Joint, Open Approach  | 159                | Other diagnostic           |
| 10                    | 0RH3ZZ               | Inspection of Left Acromioclavicular Joint, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 0RHXZZ               | Inspection of Left Acromioclavicular Joint, Extern Approac | 159                | Other diagnostic           |
| 10                    | 0RUJ0ZZ              | Inspection of Right Shoulder Joint, Open Approach          | 159                | Other diagnostic           |
| 10                    | 0RUJ3ZZ              | Inspection of Right Shoulder Joint, Percutaneous Approach  | 159                | Other diagnostic           |
| 10                    | 0RUJXZZ              | Inspection of Right Shoulder Joint, External Approach      | 159                | Other diagnostic           |
| 10                    | 0RUK0ZZ              | Inspection of Left Shoulder Joint, Open Approach           | 159                | Other diagnostic           |
| 10                    | 0RUK3ZZ              | Inspection of Left Shoulder Joint, Percutaneous Approach   | 159                | Other diagnostic           |
| 10                    | 0RUKXZZ              | Inspection of Left Shoulder Joint, External Approach       | 159                | Other diagnostic           |
| 10                    | 0RUL0ZZ              | Inspection of Right Elbow Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0RUL3ZZ              | Inspection of Right Elbow Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0RULXZZ              | Inspection of Right Elbow Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 0RUM0ZZ              | Inspection of Left Elbow Joint, Open Approach              | 159                | Other diagnostic           |
| 10                    | 0RUM3ZZ              | Inspection of Left Elbow Joint, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 0RUMXZZ              | Inspection of Left Elbow Joint, External Approach          | 159                | Other diagnostic           |
| 10                    | 0RNOZZ               | Inspection of Right Wrist Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0RN3ZZ               | Inspection of Right Wrist Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0RNXZZ               | Inspection of Right Wrist Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 0RPOZZ               | Inspection of Left Wrist Joint, Open Approach              | 159                | Other diagnostic           |
| 10                    | 0RJP3ZZ              | Inspection of Left Wrist Joint, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 0RJPXZZ              | Inspection of Left Wrist Joint, External Approach          | 159                | Other diagnostic           |
| 10                    | 0RQ0ZZ               | Inspection of Right Carpal Joint, Open Approach            | 159                | Other diagnostic           |
| 10                    | 0RQ3ZZ               | Inspection of Right Carpal Joint, Percutaneous Approach    | 159                | Other diagnostic           |
| 10                    | 0RQXZZ               | Inspection of Right Carpal Joint, External Approach        | 159                | Other diagnostic           |
| 10                    | 0RJ0ZZ               | Inspection of Left Carpal Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0RJ3ZZ               | Inspection of Left Carpal Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0RJXZZ               | Inspection of Left Carpal Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 0RS0ZZ               | Inspection of Right Metacarpocarpal Joint, Open Approach   | 159                | Other diagnostic           |
| 10                    | 0RS3ZZ               | Inspection of Right Metacarpocarpal Joint, Perc Approach   | 159                | Other diagnostic           |
| 10                    | 0RSXZZ               | Inspection of Right Metacarpocarpal Joint, External Approa | 159                | Other diagnostic           |
| 10                    | 0RT0ZZ               | Inspection of Left Metacarpocarpal Joint, Open Approach    | 159                | Other diagnostic           |
| 10                    | 0RT3ZZ               | Inspection of Left Metacarpocarpal Joint, Perc Approach    | 159                | Other diagnostic           |
| 10                    | 0RTXZZ               | Inspection of Left Metacarpocarpal Joint, External Approac | 159                | Other diagnostic           |
| 10                    | 0RU0ZZ               | Inspection of Right Metacarpophalangeal Joint, Open Approa | 159                | Other diagnostic           |
| 10                    | 0RU3ZZ               | Inspection of Right Metacarpophalangeal Joint, Perc Approa | 159                | Other diagnostic           |
| 10                    | 0RUJXZZ              | Inspection of R Metacarpophalangeal Jt, Extern Approach    | 159                | Other diagnostic           |
| 10                    | 0RV0ZZ               | Inspection of Left Metacarpophalangeal Joint, Open Approac | 159                | Other diagnostic           |
| 10                    | 0RV3ZZ               | Inspection of Left Metacarpophalangeal Joint, Perc Approac | 159                | Other diagnostic           |
| 10                    | 0RVXZZ               | Inspection of L Metacarpophalangeal Jt, Extern Approach    | 159                | Other diagnostic           |
| 10                    | 0RW0ZZ               | Inspection of Right Finger Phalangeal Joint, Open Approach | 159                | Other diagnostic           |
| 10                    | 0RW3ZZ               | Inspection of Right Finger Phalangeal Joint, Perc Approach | 159                | Other diagnostic           |
| 10                    | 0RWXZZ               | Inspection of Right Finger Phalangeal Joint, Extern Approa | 159                | Other diagnostic           |
| 10                    | 0RX0ZZ               | Inspection of Left Finger Phalangeal Joint, Open Approach  | 159                | Other diagnostic           |
| 10                    | 0RX3ZZ               | Inspection of Left Finger Phalangeal Joint, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 0RXXZZ               | Inspection of Left Finger Phalangeal Joint, Extern Approac | 159                | Other diagnostic           |
| 10                    | 0RR007Z              | Replacement of Occip Jt with Autol Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RR001Z              | Replacement of Occip Jt with Synth Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RR00KZ              | Replacement of Occip Jt with Nonaut Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR107Z              | Replacement of Cerv Jt with Autol Sub, Open Approach       | 154                | Arthroplasty othe          |
| 10                    | 0RR101Z              | Replacement of Cerv Jt with Synth Sub, Open Approach       | 154                | Arthroplasty othe          |
| 10                    | 0RR10KZ              | Replacement of Cerv Jt with Nonaut Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RR307Z              | Replacement of Cerv Disc with Autol Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR301Z              | Replacement of Cerv Disc with Synth Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR30KZ              | Replacement of Cerv Disc with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 0RR407Z              | Replacement of C-thor Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR401Z              | Replacement of C-thor Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR40KZ              | Replacement of C-thor Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 0RR507Z              | Replacement of C-thor Disc with Autol Sub, Open Approach   | 154                | Arthroplasty othe          |
| 10                    | 0RR501Z              | Replacement of C-thor Disc with Synth Sub, Open Approach   | 154                | Arthroplasty othe          |
| 10                    | 0RR50KZ              | Replacement of C-thor Disc with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe          |
| 10                    | 0RR607Z              | Replacement of Thor Jt with Autol Sub, Open Approach       | 154                | Arthroplasty othe          |
| 10                    | 0RR601Z              | Replacement of Thor Jt with Synth Sub, Open Approach       | 154                | Arthroplasty othe          |
| 10                    | 0RR60KZ              | Replacement of Thor Jt with Nonaut Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RR907Z              | Replacement of Thor Disc with Autol Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR901Z              | Replacement of Thor Disc with Synth Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RR90KZ              | Replacement of Thor Disc with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 0RRA07Z              | Replacement of T-lum Jt with Autol Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RRA01Z              | Replacement of T-lum Jt with Synth Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 0RRA0KZ              | Replacement of T-lum Jt with Nonaut Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 0RRB07Z              | Replacement of T-lum Disc with Autol Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 0RRB01Z              | Replacement of T-lum Disc with Synth Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 0RRB0KZ              | Replacement of T-lum Disc with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe          |
| 10                    | 0RRC07Z              | Replace of R Temporomandib Jt with Autol Sub, Open Approac | 154                | Arthroplasty othe          |
| 10                    | 0RRC01Z              | Replace of R Temporomandib Jt with Synth Sub, Open Approac | 154                | Arthroplasty othe          |
| 10                    | 0RRC0KZ              | Replace of R Temporomandib Jt with Nonaut Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRD07Z              | Replace of L Temporomandib Jt with Autol Sub, Open Approac | 154                | Arthroplasty othe          |
| 10                    | 0RRD01Z              | Replace of L Temporomandib Jt with Synth Sub, Open Approac | 154                | Arthroplasty othe          |
| 10                    | 0RRD0KZ              | Replace of L Temporomandib Jt with Nonaut Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRE07Z              | Replacement of R Sternoclav Jt with Autol Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRE01Z              | Replacement of R Sternoclav Jt with Synth Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRE0KZ              | Replace of R Sternoclav Jt with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe          |
| 10                    | 0RRF07Z              | Replacement of L Sternoclav Jt with Autol Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRF01Z              | Replacement of L Sternoclav Jt with Synth Sub, Open Approa | 154                | Arthroplasty othe          |
| 10                    | 0RRF0KZ              | Replace of L Sternoclav Jt with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | ORRG07Z              | Replace of R Acromioclav Jt with Autol Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRG0JZ              | Replace of R Acromioclav Jt with Synth Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRG0KZ              | Replace of R Acromioclav Jt with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRH07Z              | Replace of L Acromioclav Jt with Autol Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRH0JZ              | Replace of L Acromioclav Jt with Synth Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRH0KZ              | Replace of L Acromioclav Jt with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRJ00Z              | Replace of R Shoulder Jt with Rev Bl & Sockt, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRJ07Z              | Replacement of R Shoulder Jt with Autol Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRJ0J6              | Replace R Shoulder Jt w Synth Sub, Humeral, Open            | 154                | Arthroplasty othe         |
| 10                    | ORRJ0J7              | Replace R Shoulder Jt w Synth Sub, Glenoid, Open            | 154                | Arthroplasty othe         |
| 10                    | ORRJ0JZ              | Replacement of R Shoulder Jt with Synth Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRJ0KZ              | Replacement of R Shoulder Jt with Nonaut Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRK00Z              | Replace of L Shoulder Jt with Rev Bl & Sockt, Open Approach | 154                | Arthroplasty othe         |
| 10                    | ORRK07Z              | Replacement of L Shoulder Jt with Autol Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRK0J6              | Replace L Shoulder Jt w Synth Sub, Humeral, Open            | 154                | Arthroplasty othe         |
| 10                    | ORRK0J7              | Replace L Shoulder Jt w Synth Sub, Glenoid, Open            | 154                | Arthroplasty othe         |
| 10                    | ORRK0JZ              | Replacement of L Shoulder Jt with Synth Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | ORRK0KZ              | Replacement of L Shoulder Jt with Nonaut Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRL07Z              | Replacement of R Elbow Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRL0JZ              | Replacement of R Elbow Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRL0KZ              | Replacement of R Elbow Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRM07Z              | Replacement of L Elbow Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRM0JZ              | Replacement of L Elbow Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRM0KZ              | Replacement of L Elbow Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRN07Z              | Replacement of R Wrist Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRN0JZ              | Replacement of R Wrist Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRN0KZ              | Replacement of R Wrist Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRP07Z              | Replacement of L Wrist Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRP0JZ              | Replacement of L Wrist Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | ORRP0KZ              | Replacement of L Wrist Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRQ07Z              | Replacement of R Carpal Jt with Autol Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRQ0JZ              | Replacement of R Carpal Jt with Synth Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRQ0KZ              | Replacement of R Carpal Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRR07Z              | Replacement of L Carpal Jt with Autol Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRR0JZ              | Replacement of L Carpal Jt with Synth Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | ORRR0KZ              | Replacement of L Carpal Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | ORRS07Z              | Replace of R Metacarpocarp Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRS0JZ              | Replace of R Metacarpocarp Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRS0KZ              | Replace of R Metacarpocarp Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRT07Z              | Replace of L Metacarpocarp Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRT0JZ              | Replace of L Metacarpocarp Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRT0KZ              | Replace of L Metacarpocarp Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRU07Z              | Replace of R Metacarpophal Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRU0JZ              | Replace of R Metacarpophal Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRU0KZ              | Replace of R Metacarpophal Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRV07Z              | Replace of L Metacarpophal Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRV0JZ              | Replace of L Metacarpophal Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | ORRV0KZ              | Replace of L Metacarpophal Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRW07Z              | Replace of R Finger Phalanx Jt with Autol Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRW0JZ              | Replace of R Finger Phalanx Jt with Synth Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRW0KZ              | Replace R Finger Phalanx Jt w Nonaut Sub, Open              | 154                | Arthroplasty othe         |
| 10                    | ORRX07Z              | Replace of L Finger Phalanx Jt with Autol Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRX0JZ              | Replace of L Finger Phalanx Jt with Synth Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | ORRX0KZ              | Replace L Finger Phalanx Jt w Nonaut Sub, Open              | 154                | Arthroplasty othe         |
| 10                    | ORT30ZZ              | Resection of Cervical Vertebral Disc, Open Approach         | 3                  | Excision destruct         |
| 10                    | ORT40ZZ              | Resection of Cervicothoracic Vertebral Joint, Open Approac  | 3                  | Excision destruct         |
| 10                    | ORT50ZZ              | Resection of Cervicothoracic Vertebral Disc, Open Approach  | 3                  | Excision destruct         |
| 10                    | ORT90ZZ              | Resection of Thoracic Vertebral Disc, Open Approach         | 3                  | Excision destruct         |
| 10                    | ORTB0ZZ              | Resection of Thoracolumbar Vertebral Disc, Open Approach    | 3                  | Excision destruct         |
| 10                    | ORU007Z              | Supplement Occip Jt with Autol Sub, Open Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU00JZ              | Supplement Occip Jt with Synth Sub, Open Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU00KZ              | Supplement Occip Jt with Nonaut Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU037Z              | Supplement Occip Jt with Autol Sub, Perc Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU03JZ              | Supplement Occip Jt with Synth Sub, Perc Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU03KZ              | Supplement Occip Jt with Nonaut Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU047Z              | Supplement Occip Jt with Autol Sub, Perc Endo Approach      | 154                | Arthroplasty othe         |
| 10                    | ORU04JZ              | Supplement Occip Jt with Synth Sub, Perc Endo Approach      | 154                | Arthroplasty othe         |
| 10                    | ORU04KZ              | Supplement Occip Jt with Nonaut Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | ORU107Z              | Supplement Cerv Jt with Autol Sub, Open Approach            | 154                | Arthroplasty othe         |
| 10                    | ORU10JZ              | Supplement Cerv Jt with Synth Sub, Open Approach            | 154                | Arthroplasty othe         |
| 10                    | ORU10KZ              | Supplement Cerv Jt with Nonaut Sub, Open Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU137Z              | Supplement Cerv Jt with Autol Sub, Perc Approach            | 154                | Arthroplasty othe         |
| 10                    | ORU13JZ              | Supplement Cerv Jt with Synth Sub, Perc Approach            | 154                | Arthroplasty othe         |
| 10                    | ORU13KZ              | Supplement Cerv Jt with Nonaut Sub, Perc Approach           | 154                | Arthroplasty othe         |
| 10                    | ORU147Z              | Supplement Cerv Jt with Autol Sub, Perc Endo Approach       | 154                | Arthroplasty othe         |
| 10                    | ORU14JZ              | Supplement Cerv Jt with Synth Sub, Perc Endo Approach       | 154                | Arthroplasty othe         |
| 10                    | ORU14KZ              | Supplement Cerv Jt with Nonaut Sub, Perc Endo Approach      | 154                | Arthroplasty othe         |
| 10                    | ORU307Z              | Supplement Cerv Disc with Autol Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU30JZ              | Supplement Cerv Disc with Synth Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU30KZ              | Supplement Cerv Disc with Nonaut Sub, Open Approach         | 154                | Arthroplasty othe         |
| 10                    | ORU337Z              | Supplement Cerv Disc with Autol Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU33JZ              | Supplement Cerv Disc with Synth Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU33KZ              | Supplement Cerv Disc with Nonaut Sub, Perc Approach         | 154                | Arthroplasty othe         |
| 10                    | ORU347Z              | Supplement Cerv Disc with Autol Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | ORU34JZ              | Supplement Cerv Disc with Synth Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | ORU34KZ              | Supplement Cerv Disc with Nonaut Sub, Perc Endo Approach    | 154                | Arthroplasty othe         |
| 10                    | ORU407Z              | Supplement C-thor Jt with Autol Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU40JZ              | Supplement C-thor Jt with Synth Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU40KZ              | Supplement C-thor Jt with Nonaut Sub, Open Approach         | 154                | Arthroplasty othe         |
| 10                    | ORU437Z              | Supplement C-thor Jt with Autol Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU43JZ              | Supplement C-thor Jt with Synth Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | ORU43KZ              | Supplement C-thor Jt with Nonaut Sub, Perc Approach         | 154                | Arthroplasty othe         |
| 10                    | ORU447Z              | Supplement C-thor Jt with Autol Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | ORU44JZ              | Supplement C-thor Jt with Synth Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | ORU44KZ              | Supplement C-thor Jt with Nonaut Sub, Perc Endo Approach    | 154                | Arthroplasty othe         |
| 10                    | ORU507Z              | Supplement C-thor Disc with Autol Sub, Open Approach        | 154                | Arthroplasty othe         |
| 10                    | ORU50JZ              | Supplement C-thor Disc with Synth Sub, Open Approach        | 154                | Arthroplasty othe         |
| 10                    | ORU50KZ              | Supplement C-thor Disc with Nonaut Sub, Open Approach       | 154                | Arthroplasty othe         |
| 10                    | ORU537Z              | Supplement C-thor Disc with Autol Sub, Perc Approach        | 154                | Arthroplasty othe         |
| 10                    | ORU53JZ              | Supplement C-thor Disc with Synth Sub, Perc Approach        | 154                | Arthroplasty othe         |
| 10                    | ORU53KZ              | Supplement C-thor Disc with Nonaut Sub, Perc Approach       | 154                | Arthroplasty othe         |
| 10                    | ORU547Z              | Supplement C-thor Disc with Autol Sub, Perc Endo Approach   | 154                | Arthroplasty othe         |
| 10                    | ORU54JZ              | Supplement C-thor Disc with Synth Sub, Perc Endo Approach   | 154                | Arthroplasty othe         |
| 10                    | ORU54KZ              | Supplement C-thor Disc with Nonaut Sub, Perc Endo Approach  | 154                | Arthroplasty othe         |
| 10                    | ORU607Z              | Supplement Thor Jt with Autol Sub, Open Approach            | 154                | Arthroplasty othe         |
| 10                    | ORU60JZ              | Supplement Thor Jt with Synth Sub, Open Approach            | 154                | Arthroplasty othe         |





The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0RUX4JZ              | Supplement L Finger Phalanx Jt w Synth Sub, Perc Endo       | 154                | Arthroplasty othe          |
| 10                    | 0RUX4KZ              | Supplement L Finger Phalanx Jt w Nonaut Sub, Perc Endo      | 154                | Arthroplasty othe          |
| 10                    | 05520ZZ              | Destruction of Lumbar Vertebral Disc, Open Approach         | 3                  | Excision destruct          |
| 10                    | 05523ZZ              | Destruction of Lumbar Vertebral Disc, Percutaneous Approach | 3                  | Excision destruct          |
| 10                    | 05524ZZ              | Destruction of Lumbar Vertebral Disc, Perc Endo Approach    | 3                  | Excision destruct          |
| 10                    | 05540ZZ              | Destruction of Lumbosacral Disc, Open Approach              | 3                  | Excision destruct          |
| 10                    | 05543ZZ              | Destruction of Lumbosacral Disc, Percutaneous Approach      | 3                  | Excision destruct          |
| 10                    | 05544ZZ              | Destruction of Lumbosacral Disc, Perc Endo Approach         | 3                  | Excision destruct          |
| 10                    | 05900ZX              | Drainage of Lumbar Vertebral Joint, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05903ZX              | Drainage of Lumbar Vertebral Joint, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05904ZX              | Drainage of Lum Jt, Perc Endo Approach, Diagn               | 159                | Other diagnostic           |
| 10                    | 05920ZX              | Drainage of Lumbar Vertebral Disc, Open Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 05923ZX              | Drainage of Lumbar Vertebral Disc, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05924ZX              | Drainage of Lumbar Vertebral Disc, Perc Endo Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05930ZX              | Drainage of Lumbosacral Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 05933ZX              | Drainage of Lumbosacral Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05934ZX              | Drainage of Lumbosacral Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05940ZX              | Drainage of Lumbosacral Disc, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 05943ZX              | Drainage of Lumbosacral Disc, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 05944ZX              | Drainage of Lumbosacral Disc, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05950ZX              | Drainage of Sacroccocygeal Joint, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 05953ZX              | Drainage of Sacroccocygeal Joint, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05954ZX              | Drainage of Sacroccocygeal Joint, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05960ZX              | Drainage of Coccygeal Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 05963ZX              | Drainage of Coccygeal Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05964ZX              | Drainage of Coccygeal Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05970ZX              | Drainage of Right Sacroiliac Joint, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05973ZX              | Drainage of Right Sacroiliac Joint, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05974ZX              | Drainage of R Sacroiliac Jt, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05980ZX              | Drainage of Left Sacroiliac Joint, Open Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 05983ZX              | Drainage of Left Sacroiliac Joint, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05984ZX              | Drainage of Left Sacroiliac Joint, Perc Endo Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05990ZX              | Drainage of Right Hip Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 05993ZX              | Drainage of Right Hip Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05994ZX              | Drainage of Right Hip Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05980ZX              | Drainage of Left Hip Joint, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 05983ZX              | Drainage of Left Hip Joint, Percutaneous Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05984ZX              | Drainage of Left Hip Joint, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 059C0ZX              | Drainage of Right Knee Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 059C3ZX              | Drainage of Right Knee Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 059C4ZX              | Drainage of Right Knee Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 059D0ZX              | Drainage of Left Knee Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 059D3ZX              | Drainage of Left Knee Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059D4ZX              | Drainage of Left Knee Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 059F0ZX              | Drainage of Right Ankle Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 059F3ZX              | Drainage of Right Ankle Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 059F4ZX              | Drainage of Right Ankle Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 059G0ZX              | Drainage of Left Ankle Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 059G3ZX              | Drainage of Left Ankle Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 059G4ZX              | Drainage of Left Ankle Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 059H0ZX              | Drainage of Right Tarsal Joint, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 059H3ZX              | Drainage of Right Tarsal Joint, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 059H4ZX              | Drainage of Right Tarsal Joint, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059J0ZX              | Drainage of Left Tarsal Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 059J3ZX              | Drainage of Left Tarsal Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 059J4ZX              | Drainage of Left Tarsal Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 059K0ZX              | Drainage of R Metatarsotars Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059K3ZX              | Drainage of R Metatarsotars Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059K4ZX              | Drainage of R Metatarsotars Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059L0ZX              | Drainage of L Metatarsotars Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059L3ZX              | Drainage of L Metatarsotars Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059L4ZX              | Drainage of L Metatarsotars Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059M0ZX              | Drainage of R Metatarsophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059M3ZX              | Drainage of R Metatarsophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059M4ZX              | Drainage of R Metatarsophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059N0ZX              | Drainage of L Metatarsophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059N3ZX              | Drainage of L Metatarsophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 059N4ZX              | Drainage of L Metatarsophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 059P0ZX              | Drainage of Right Toe Phalangeal Joint, Open Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 059P3ZX              | Drainage of Right Toe Phalangeal Joint, Perc Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 059P4ZX              | Drainage of R Toe Phalanx Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 059Q0ZX              | Drainage of Left Toe Phalangeal Joint, Open Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 059Q3ZX              | Drainage of Left Toe Phalangeal Joint, Perc Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 059Q4ZX              | Drainage of L Toe Phalanx Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05800ZX              | Excision of Lumbar Vertebral Joint, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05800ZZ              | Excision of Lumbar Vertebral Joint, Open Approach           | 3                  | Excision destruct          |
| 10                    | 05803ZX              | Excision of Lumbar Vertebral Joint, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05803ZZ              | Excision of Lumbar Vertebral Joint, Percutaneous Approach   | 3                  | Excision destruct          |
| 10                    | 05804ZX              | Excision of Lum Jt, Perc Endo Approach, Diagn               | 159                | Other diagnostic           |
| 10                    | 05804ZZ              | Excision of Lumbar Vertebral Joint, Perc Endo Approach      | 3                  | Excision destruct          |
| 10                    | 05820ZX              | Excision of Lumbar Vertebral Disc, Open Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 05820ZZ              | Excision of Lumbar Vertebral Disc, Open Approach            | 3                  | Excision destruct          |
| 10                    | 05823ZX              | Excision of Lumbar Vertebral Disc, Perc Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05823ZZ              | Excision of Lumbar Vertebral Disc, Percutaneous Approach    | 3                  | Excision destruct          |
| 10                    | 05824ZX              | Excision of Lumbar Vertebral Disc, Perc Endo Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05824ZZ              | Excision of Lumbar Vertebral Disc, Perc Endo Approach       | 3                  | Excision destruct          |
| 10                    | 05830ZX              | Excision of Lumbosacral Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 05833ZX              | Excision of Lumbosacral Joint, Percutaneous Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05834ZX              | Excision of Lumbosacral Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05840ZX              | Excision of Lumbosacral Disc, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 05840ZZ              | Excision of Lumbosacral Disc, Open Approach                 | 3                  | Excision destruct          |
| 10                    | 05843ZX              | Excision of Lumbosacral Disc, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 05843ZZ              | Excision of Lumbosacral Disc, Percutaneous Approach         | 3                  | Excision destruct          |
| 10                    | 05844ZX              | Excision of Lumbosacral Disc, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05844ZZ              | Excision of Lumbosacral Disc, Perc Endo Approach            | 3                  | Excision destruct          |
| 10                    | 05850ZX              | Excision of Sacroccocygeal Joint, Open Approach, Diagnosti  | 159                | Other diagnostic           |
| 10                    | 05853ZX              | Excision of Sacroccocygeal Joint, Perc Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05854ZX              | Excision of Sacroccocygeal Joint, Perc Endo Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05860ZX              | Excision of Coccygeal Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 05863ZX              | Excision of Coccygeal Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05864ZX              | Excision of Coccygeal Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05870ZX              | Excision of Right Sacroiliac Joint, Open Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05873ZX              | Excision of Right Sacroiliac Joint, Perc Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05874ZX              | Excision of R Sacroiliac Jt, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05880ZX              | Excision of Left Sacroiliac Joint, Open Approach, Diagnost  | 159                | Other diagnostic           |
| 10                    | 05883ZX              | Excision of Left Sacroiliac Joint, Perc Approach, Diagn     | 159                | Other diagnostic           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 05B84ZX              | Excision of Left Sacroiliac Joint, Perc Endo Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05B90ZX              | Excision of Right Hip Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 05B93ZX              | Excision of Right Hip Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B94ZX              | Excision of Right Hip Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05B80ZX              | Excision of Left Hip Joint, Open Approach, Diagnostic       | 159                | Other diagnostic           |
| 10                    | 05B83ZX              | Excision of Left Hip Joint, Percutaneous Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05B84ZX              | Excision of Left Hip Joint, Perc Endo Approach, Diagn       | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Right Knee Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Right Knee Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Right Knee Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Left Knee Joint, Open Approach, Diagnostic      | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Left Knee Joint, Percutaneous Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Left Knee Joint, Perc Endo Approach, Diagn      | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Right Ankle Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Right Ankle Joint, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Right Ankle Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Left Ankle Joint, Open Approach, Diagnostic     | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Left Ankle Joint, Percutaneous Approach, Diagn  | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Left Ankle Joint, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Right Tarsal Joint, Open Approach, Diagnostic   | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Right Tarsal Joint, Percutaneous Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Right Tarsal Joint, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Left Tarsal Joint, Open Approach, Diagnostic    | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Left Tarsal Joint, Percutaneous Approach, Diagn | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of Left Tarsal Joint, Perc Endo Approach, Diagn    | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of R Metatarsotars Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of R Metatarsotars Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of R Metatarsotars Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of L Metatarsotars Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of L Metatarsotars Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of L Metatarsotars Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of R Metatarsophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of R Metatarsophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of R Metatarsophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of L Metatarsophal Jt, Open Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of L Metatarsophal Jt, Perc Approach, Diagn        | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of L Metatarsophal Jt, Perc Endo Approach, Diagn   | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Right Toe Phalangeal Joint, Open Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Right Toe Phalangeal Joint, Perc Approach, Dia  | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of R Toe Phalanx Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05B02ZX              | Excision of Left Toe Phalangeal Joint, Open Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05B33ZX              | Excision of Left Toe Phalangeal Joint, Perc Approach, Diag  | 159                | Other diagnostic           |
| 10                    | 05B42ZX              | Excision of L Toe Phalanx Jt, Perc Endo Approach, Diagn     | 159                | Other diagnostic           |
| 10                    | 05G0070              | Fusion Lum Jt w Autol Sub, Ant Appr A Col, Open             | 158                | Spinal fusion              |
| 10                    | 05G0071              | Fusion Lum Jt w Autol Sub, Post Appr P Col, Open            | 158                | Spinal fusion              |
| 10                    | 05G007J              | Fusion Lum Jt w Autol Sub, Post Appr A Col, Open            | 158                | Spinal fusion              |
| 10                    | 05G00A0              | Fusion Lum Jt w Intbd Fus Dev, Ant Appr A Col, Open         | 158                | Spinal fusion              |
| 10                    | 05G00A1              | Fusion Lum Jt w Intbd Fus Dev, Post Appr P Col, Open        | 158                | Spinal fusion              |
| 10                    | 05G00AJ              | Fusion Lum Jt w Intbd Fus Dev, Post Appr A Col, Open        | 158                | Spinal fusion              |
| 10                    | 05G00I0              | Fusion Lum Jt w Synth Sub, Ant Appr A Col, Open             | 158                | Spinal fusion              |
| 10                    | 05G00I1              | Fusion Lum Jt w Synth Sub, Post Appr P Col, Open            | 158                | Spinal fusion              |
| 10                    | 05G00J1              | Fusion Lum Jt w Synth Sub, Post Appr A Col, Open            | 158                | Spinal fusion              |
| 10                    | 05G00K0              | Fusion Lum Jt w Nonaut Sub, Ant Appr A Col, Open            | 158                | Spinal fusion              |
| 10                    | 05G00K1              | Fusion Lum Jt w Nonaut Sub, Post Appr P Col, Open           | 158                | Spinal fusion              |
| 10                    | 05G00KJ              | Fusion Lum Jt w Nonaut Sub, Post Appr A Col, Open           | 158                | Spinal fusion              |
| 10                    | 05G00Z0              | Fusion of Lum Jt, Ant Appr A Col, Open Approach             | 158                | Spinal fusion              |
| 10                    | 05G00Z1              | Fusion of Lum Jt, Post Appr P Col, Open Approach            | 158                | Spinal fusion              |
| 10                    | 05G00ZJ              | Fusion of Lum Jt, Post Appr A Col, Open Approach            | 158                | Spinal fusion              |
| 10                    | 05G0370              | Fusion Lum Jt w Autol Sub, Ant Appr A Col, Perc             | 158                | Spinal fusion              |
| 10                    | 05G0371              | Fusion Lum Jt w Autol Sub, Post Appr P Col, Perc            | 158                | Spinal fusion              |
| 10                    | 05G037J              | Fusion Lum Jt w Autol Sub, Post Appr A Col, Perc            | 158                | Spinal fusion              |
| 10                    | 05G03A0              | Fusion Lum Jt w Intbd Fus Dev, Ant Appr A Col, Perc         | 158                | Spinal fusion              |
| 10                    | 05G03A1              | Fusion Lum Jt w Intbd Fus Dev, Post Appr P Col, Perc        | 158                | Spinal fusion              |
| 10                    | 05G03AJ              | Fusion Lum Jt w Intbd Fus Dev, Post Appr A Col, Perc        | 158                | Spinal fusion              |
| 10                    | 05G03J0              | Fusion Lum Jt w Synth Sub, Ant Appr A Col, Perc             | 158                | Spinal fusion              |
| 10                    | 05G03J1              | Fusion Lum Jt w Synth Sub, Post Appr P Col, Perc            | 158                | Spinal fusion              |
| 10                    | 05G03J1              | Fusion Lum Jt w Synth Sub, Post Appr A Col, Perc            | 158                | Spinal fusion              |
| 10                    | 05G03K0              | Fusion Lum Jt w Nonaut Sub, Ant Appr A Col, Perc            | 158                | Spinal fusion              |
| 10                    | 05G03K1              | Fusion Lum Jt w Nonaut Sub, Post Appr P Col, Perc           | 158                | Spinal fusion              |
| 10                    | 05G03KJ              | Fusion Lum Jt w Nonaut Sub, Post Appr A Col, Perc           | 158                | Spinal fusion              |
| 10                    | 05G03Z0              | Fusion of Lum Jt, Ant Appr A Col, Perc Approach             | 158                | Spinal fusion              |
| 10                    | 05G03Z1              | Fusion of Lum Jt, Post Appr P Col, Perc Approach            | 158                | Spinal fusion              |
| 10                    | 05G03ZJ              | Fusion of Lum Jt, Post Appr A Col, Perc Approach            | 158                | Spinal fusion              |
| 10                    | 05G0470              | Fusion Lum Jt w Autol Sub, Ant Appr A Col, Perc Endo        | 158                | Spinal fusion              |
| 10                    | 05G0471              | Fusion Lum Jt w Autol Sub, Post Appr P Col, Perc Endo       | 158                | Spinal fusion              |
| 10                    | 05G047J              | Fusion Lum Jt w Autol Sub, Post Appr A Col, Perc Endo       | 158                | Spinal fusion              |
| 10                    | 05G04A0              | Fusion Lum Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo    | 158                | Spinal fusion              |
| 10                    | 05G04A1              | Fusion Lum Jt w Intbd Fus Dev, Post Appr P Col, Perc Endo   | 158                | Spinal fusion              |
| 10                    | 05G04AJ              | Fusion Lum Jt w Intbd Fus Dev, Post Appr A Col, Perc Endo   | 158                | Spinal fusion              |
| 10                    | 05G04J0              | Fusion Lum Jt w Synth Sub, Ant Appr A Col, Perc Endo        | 158                | Spinal fusion              |
| 10                    | 05G04J1              | Fusion Lum Jt w Synth Sub, Post Appr P Col, Perc Endo       | 158                | Spinal fusion              |
| 10                    | 05G04J1              | Fusion Lum Jt w Synth Sub, Post Appr A Col, Perc Endo       | 158                | Spinal fusion              |
| 10                    | 05G04K0              | Fusion Lum Jt w Nonaut Sub, Ant Appr A Col, Perc Endo       | 158                | Spinal fusion              |
| 10                    | 05G04K1              | Fusion Lum Jt w Nonaut Sub, Post Appr P Col, Perc Endo      | 158                | Spinal fusion              |
| 10                    | 05G04KJ              | Fusion Lum Jt w Nonaut Sub, Post Appr A Col, Perc Endo      | 158                | Spinal fusion              |
| 10                    | 05G04Z0              | Fusion of Lum Jt, Ant Appr A Col, Perc Endo Approach        | 158                | Spinal fusion              |
| 10                    | 05G04Z1              | Fusion of Lum Jt, Post Appr P Col, Perc Endo Approach       | 158                | Spinal fusion              |
| 10                    | 05G04ZJ              | Fusion of Lum Jt, Post Appr A Col, Perc Endo Approach       | 158                | Spinal fusion              |
| 10                    | 05G1070              | Fusion 2-4 L Jt w Autol Sub, Ant Appr A Col, Open           | 158                | Spinal fusion              |
| 10                    | 05G1071              | Fusion 2-4 L Jt w Autol Sub, Post Appr P Col, Open          | 158                | Spinal fusion              |
| 10                    | 05G107J              | Fusion 2-4 L Jt w Autol Sub, Post Appr A Col, Open          | 158                | Spinal fusion              |
| 10                    | 05G10A0              | Fusion 2-4 L Jt w Intbd Fus Dev, Ant Appr A Col, Open       | 158                | Spinal fusion              |
| 10                    | 05G10A1              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr P Col, Open      | 158                | Spinal fusion              |
| 10                    | 05G10AJ              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr A Col, Open      | 158                | Spinal fusion              |
| 10                    | 05G10I0              | Fusion 2-4 L Jt w Synth Sub, Ant Appr A Col, Open           | 158                | Spinal fusion              |
| 10                    | 05G10I1              | Fusion 2-4 L Jt w Synth Sub, Post Appr P Col, Open          | 158                | Spinal fusion              |
| 10                    | 05G10IJ              | Fusion 2-4 L Jt w Synth Sub, Post Appr A Col, Open          | 158                | Spinal fusion              |
| 10                    | 05G10K0              | Fusion 2-4 L Jt w Nonaut Sub, Ant Appr A Col, Open          | 158                | Spinal fusion              |
| 10                    | 05G10K1              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr P Col, Open         | 158                | Spinal fusion              |
| 10                    | 05G10KJ              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr A Col, Open         | 158                | Spinal fusion              |
| 10                    | 05G10Z0              | Fusion of 2-4 L Jt, Ant Appr A Col, Open Approach           | 158                | Spinal fusion              |
| 10                    | 05G10Z1              | Fusion of 2-4 L Jt, Post Appr P Col, Open Approach          | 158                | Spinal fusion              |
| 10                    | 05G10ZJ              | Fusion of 2-4 L Jt, Post Appr A Col, Open Approach          | 158                | Spinal fusion              |
| 10                    | 05G1370              | Fusion 2-4 L Jt w Autol Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion              |
| 10                    | 05G1371              | Fusion 2-4 L Jt w Autol Sub, Post Appr P Col, Perc          | 158                | Spinal fusion              |
| 10                    | 05G137J              | Fusion 2-4 L Jt w Autol Sub, Post Appr A Col, Perc          | 158                | Spinal fusion              |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 05G13A0              | Fusion 2-4 L Jt w Intbd Fus Dev, Ant Appr A Col, Perc        | 158                | Spinal fusion             |
| 10                    | 05G13A1              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr P Col, Perc       | 158                | Spinal fusion             |
| 10                    | 05G13AJ              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr A Col, Perc       | 158                | Spinal fusion             |
| 10                    | 05G13J0              | Fusion 2-4 L Jt w Synth Sub, Ant Appr A Col, Perc            | 158                | Spinal fusion             |
| 10                    | 05G13J1              | Fusion 2-4 L Jt w Synth Sub, Post Appr P Col, Perc           | 158                | Spinal fusion             |
| 10                    | 05G13J3              | Fusion 2-4 L Jt w Synth Sub, Post Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 05G13K0              | Fusion 2-4 L Jt w Nonaut Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 05G13K1              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G13KJ              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G13Z0              | Fusion of 2-4 L Jt, Ant Appr A Col, Perc Approach            | 158                | Spinal fusion             |
| 10                    | 05G13Z1              | Fusion of 2-4 L Jt, Post Appr P Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | 05G13ZJ              | Fusion of 2-4 L Jt, Post Appr A Col, Perc Approach           | 158                | Spinal fusion             |
| 10                    | 05G1470              | Fusion 2-4 L Jt w Autol Sub, Ant Appr A Col, Perc Endo       | 158                | Spinal fusion             |
| 10                    | 05G1471              | Fusion 2-4 L Jt w Autol Sub, Post Appr P Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G147J              | Fusion 2-4 L Jt w Autol Sub, Post Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G14A0              | Fusion 2-4 L Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo   | 158                | Spinal fusion             |
| 10                    | 05G14A1              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr P Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | 05G14AJ              | Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr A Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | 05G14I0              | Fusion 2-4 L Jt w Synth Sub, Ant Appr A Col, Perc Endo       | 158                | Spinal fusion             |
| 10                    | 05G14I1              | Fusion 2-4 L Jt w Synth Sub, Post Appr P Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G14IJ              | Fusion 2-4 L Jt w Synth Sub, Post Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G14K0              | Fusion 2-4 L Jt w Nonaut Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G14K1              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G14KJ              | Fusion 2-4 L Jt w Nonaut Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G14Z0              | Fusion of 2-4 L Jt, Ant Appr A Col, Perc Endo Approach       | 158                | Spinal fusion             |
| 10                    | 05G14Z1              | Fusion of 2-4 L Jt, Post Appr P Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | 05G14ZJ              | Fusion of 2-4 L Jt, Post Appr A Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | 05G3070              | Fusion Lumsac Jt w Autol Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 05G3071              | Fusion Lumsac Jt w Autol Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | 05G307J              | Fusion Lumsac Jt w Autol Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 05G30A0              | Fusion Lumsac Jt w Intbd Fus Dev, Ant Appr A Col, Open       | 158                | Spinal fusion             |
| 10                    | 05G30A1              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr P Col, Open      | 158                | Spinal fusion             |
| 10                    | 05G30AJ              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr A Col, Open      | 158                | Spinal fusion             |
| 10                    | 05G30I0              | Fusion Lumsac Jt w Synth Sub, Ant Appr A Col, Open           | 158                | Spinal fusion             |
| 10                    | 05G30I1              | Fusion Lumsac Jt w Synth Sub, Post Appr P Col, Open          | 158                | Spinal fusion             |
| 10                    | 05G30IJ              | Fusion Lumsac Jt w Synth Sub, Post Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 05G30K0              | Fusion Lumsac Jt w Nonaut Sub, Ant Appr A Col, Open          | 158                | Spinal fusion             |
| 10                    | 05G30K1              | Fusion Lumsac Jt w Nonaut Sub, Post Appr P Col, Open         | 158                | Spinal fusion             |
| 10                    | 05G30KJ              | Fusion Lumsac Jt w Nonaut Sub, Post Appr A Col, Open         | 158                | Spinal fusion             |
| 10                    | 05G30Z0              | Fusion of Lumbosacral Joint, Ant Appr A Col, Open Approach   | 158                | Spinal fusion             |
| 10                    | 05G30Z1              | Fusion of Lumbosacral Joint, Post Appr P Col, Open Approach  | 158                | Spinal fusion             |
| 10                    | 05G30ZJ              | Fusion of Lumbosacral Joint, Post Appr A Col, Open Approach  | 158                | Spinal fusion             |
| 10                    | 05G3370              | Fusion Lumsac Jt w Autol Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 05G3371              | Fusion Lumsac Jt w Autol Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G337J              | Fusion Lumsac Jt w Autol Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G33A0              | Fusion Lumsac Jt w Intbd Fus Dev, Ant Appr A Col, Perc       | 158                | Spinal fusion             |
| 10                    | 05G33A1              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr P Col, Perc      | 158                | Spinal fusion             |
| 10                    | 05G33AJ              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr A Col, Perc      | 158                | Spinal fusion             |
| 10                    | 05G33I0              | Fusion Lumsac Jt w Synth Sub, Ant Appr A Col, Perc           | 158                | Spinal fusion             |
| 10                    | 05G33I1              | Fusion Lumsac Jt w Synth Sub, Post Appr P Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G33IJ              | Fusion Lumsac Jt w Synth Sub, Post Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G33K0              | Fusion Lumsac Jt w Nonaut Sub, Ant Appr A Col, Perc          | 158                | Spinal fusion             |
| 10                    | 05G33K1              | Fusion Lumsac Jt w Nonaut Sub, Post Appr P Col, Perc         | 158                | Spinal fusion             |
| 10                    | 05G33KJ              | Fusion Lumsac Jt w Nonaut Sub, Post Appr A Col, Perc         | 158                | Spinal fusion             |
| 10                    | 05G33Z0              | Fusion of Lumbosacral Joint, Ant Appr A Col, Perc Approach   | 158                | Spinal fusion             |
| 10                    | 05G33Z1              | Fusion of Lumbosacral Joint, Post Appr P Col, Perc Approach  | 158                | Spinal fusion             |
| 10                    | 05G33ZJ              | Fusion of Lumbosacral Joint, Post Appr A Col, Perc Approach  | 158                | Spinal fusion             |
| 10                    | 05G3470              | Fusion Lumsac Jt w Autol Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G3471              | Fusion Lumsac Jt w Autol Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G347J              | Fusion Lumsac Jt w Autol Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G34A0              | Fusion Lumsac Jt w Intbd Fus Dev, Ant Appr A Col, Perc Endo  | 158                | Spinal fusion             |
| 10                    | 05G34A1              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr P Col, Perc Endo | 158                | Spinal fusion             |
| 10                    | 05G34AJ              | Fusion Lumsac Jt w Intbd Fus Dev, Post Appr A Col, Perc Endo | 158                | Spinal fusion             |
| 10                    | 05G34I0              | Fusion Lumsac Jt w Synth Sub, Ant Appr A Col, Perc Endo      | 158                | Spinal fusion             |
| 10                    | 05G34I1              | Fusion Lumsac Jt w Synth Sub, Post Appr P Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G34IJ              | Fusion Lumsac Jt w Synth Sub, Post Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G34K0              | Fusion Lumsac Jt w Nonaut Sub, Ant Appr A Col, Perc Endo     | 158                | Spinal fusion             |
| 10                    | 05G34K1              | Fusion Lumsac Jt w Nonaut Sub, Post Appr P Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | 05G34KJ              | Fusion Lumsac Jt w Nonaut Sub, Post Appr A Col, Perc Endo    | 158                | Spinal fusion             |
| 10                    | 05G34Z0              | Fusion of Lumsac Jt, Ant Appr A Col, Perc Endo Approach      | 158                | Spinal fusion             |
| 10                    | 05G34Z1              | Fusion of Lumsac Jt, Post Appr P Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | 05G34ZJ              | Fusion of Lumsac Jt, Post Appr A Col, Perc Endo Approach     | 158                | Spinal fusion             |
| 10                    | 05G504Z              | Fusion of Sacrococcygeal Joint with Int Fix, Open Approach   | 158                | Spinal fusion             |
| 10                    | 05G507Z              | Fusion of Sacrococcygeal Joint with Autol Sub, Open Approach | 158                | Spinal fusion             |
| 10                    | 05G50I2              | Fusion of Sacrococcygeal Joint with Synth Sub, Open Approach | 158                | Spinal fusion             |
| 10                    | 05G50KZ              | Fusion of Sacrococcygeal Jt with Nonaut Sub, Open Approach   | 158                | Spinal fusion             |
| 10                    | 05G50Z2              | Fusion of Sacrococcygeal Joint, Open Approach                | 158                | Spinal fusion             |
| 10                    | 05G534Z              | Fusion of Sacrococcygeal Joint with Int Fix, Perc Approach   | 158                | Spinal fusion             |
| 10                    | 05G537Z              | Fusion of Sacrococcygeal Joint with Autol Sub, Perc Approach | 158                | Spinal fusion             |
| 10                    | 05G53I2              | Fusion of Sacrococcygeal Joint with Synth Sub, Perc Approach | 158                | Spinal fusion             |
| 10                    | 05G53KZ              | Fusion of Sacrococcygeal Jt with Nonaut Sub, Perc Approach   | 158                | Spinal fusion             |
| 10                    | 05G53Z2              | Fusion of Sacrococcygeal Joint, Percutaneous Approach        | 158                | Spinal fusion             |
| 10                    | 05G544Z              | Fusion of Sacrococcygeal Jt with Int Fix, Perc Endo Approach | 158                | Spinal fusion             |
| 10                    | 05G547Z              | Fusion Sacrococcygeal Jt w Autol Sub, Perc Endo              | 158                | Spinal fusion             |
| 10                    | 05G54I2              | Fusion Sacrococcygeal Jt w Synth Sub, Perc Endo              | 158                | Spinal fusion             |
| 10                    | 05G54KZ              | Fusion Sacrococcygeal Jt w Nonaut Sub, Perc Endo             | 158                | Spinal fusion             |
| 10                    | 05G54Z2              | Fusion of Sacrococcygeal Joint, Perc Endo Approach           | 158                | Spinal fusion             |
| 10                    | 05G604Z              | Fusion of Coccygeal Joint with Int Fix, Open Approach        | 158                | Spinal fusion             |
| 10                    | 05G607Z              | Fusion of Coccygeal Joint with Autol Sub, Open Approach      | 158                | Spinal fusion             |
| 10                    | 05G60I2              | Fusion of Coccygeal Joint with Synth Sub, Open Approach      | 158                | Spinal fusion             |
| 10                    | 05G60KZ              | Fusion of Coccygeal Joint with Nonaut Sub, Open Approach     | 158                | Spinal fusion             |
| 10                    | 05G60Z2              | Fusion of Coccygeal Joint, Open Approach                     | 158                | Spinal fusion             |
| 10                    | 05G634Z              | Fusion of Coccygeal Joint with Int Fix, Perc Approach        | 158                | Spinal fusion             |
| 10                    | 05G637Z              | Fusion of Coccygeal Joint with Autol Sub, Perc Approach      | 158                | Spinal fusion             |
| 10                    | 05G63I2              | Fusion of Coccygeal Joint with Synth Sub, Perc Approach      | 158                | Spinal fusion             |
| 10                    | 05G63KZ              | Fusion of Coccygeal Joint with Nonaut Sub, Perc Approach     | 158                | Spinal fusion             |
| 10                    | 05G63Z2              | Fusion of Coccygeal Joint, Percutaneous Approach             | 158                | Spinal fusion             |
| 10                    | 05G644Z              | Fusion of Coccygeal Joint with Int Fix, Perc Endo Approach   | 158                | Spinal fusion             |
| 10                    | 05G647Z              | Fusion of Coccygeal Joint with Autol Sub, Perc Endo Approach | 158                | Spinal fusion             |
| 10                    | 05G64I2              | Fusion of Coccygeal Joint with Synth Sub, Perc Endo Approach | 158                | Spinal fusion             |
| 10                    | 05G64KZ              | Fusion of Coccygeal Jt with Nonaut Sub, Perc Endo Approach   | 158                | Spinal fusion             |
| 10                    | 05G64Z2              | Fusion of Coccygeal Joint, Percutaneous Endoscopic Approach  | 158                | Spinal fusion             |
| 10                    | 05G704Z              | Fusion of Right Sacroiliac Joint with Int Fix, Open Approach | 158                | Spinal fusion             |
| 10                    | 05G707Z              | Fusion of R Sacroiliac Jt with Autol Sub, Open Approach      | 158                | Spinal fusion             |
| 10                    | 05G70I2              | Fusion of R Sacroiliac Jt with Synth Sub, Open Approach      | 158                | Spinal fusion             |
| 10                    | 05G70KZ              | Fusion of R Sacroiliac Jt with Nonaut Sub, Open Approach     | 158                | Spinal fusion             |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 05G70ZZ              | Fusion of Right Sacroiliac Joint, Open Approach            | 158                | Spinal fusion              |
| 10                    | 05G734Z              | Fusion of Right Sacroiliac Joint with Int Fix, Perc Approa | 158                | Spinal fusion              |
| 10                    | 05G737Z              | Fusion of R Sacroiliac Jt with Autol Sub, Perc Approach    | 158                | Spinal fusion              |
| 10                    | 05G73IZ              | Fusion of R Sacroiliac Jt with Synth Sub, Perc Approach    | 158                | Spinal fusion              |
| 10                    | 05G73KZ              | Fusion of R Sacroiliac Jt with Nonaut Sub, Perc Approach   | 158                | Spinal fusion              |
| 10                    | 05G73ZZ              | Fusion of Right Sacroiliac Joint, Percutaneous Approach    | 158                | Spinal fusion              |
| 10                    | 05G744Z              | Fusion of R Sacroiliac Jt with Int Fix, Perc Endo Approach | 158                | Spinal fusion              |
| 10                    | 05G747Z              | Fusion of R Sacroiliac Jt with Autol Sub, Perc Endo Approa | 158                | Spinal fusion              |
| 10                    | 05G74IZ              | Fusion of R Sacroiliac Jt with Synth Sub, Perc Endo Approa | 158                | Spinal fusion              |
| 10                    | 05G74KZ              | Fusion R Sacroiliac Jt w Nonaut Sub, Perc Endo             | 158                | Spinal fusion              |
| 10                    | 05G74ZZ              | Fusion of Right Sacroiliac Joint, Perc Endo Approach       | 158                | Spinal fusion              |
| 10                    | 05G804Z              | Fusion of Left Sacroiliac Joint with Int Fix, Open Approac | 158                | Spinal fusion              |
| 10                    | 05G807Z              | Fusion of L Sacroiliac Jt with Autol Sub, Open Approach    | 158                | Spinal fusion              |
| 10                    | 05G80IZ              | Fusion of L Sacroiliac Jt with Synth Sub, Open Approach    | 158                | Spinal fusion              |
| 10                    | 05G80KZ              | Fusion of L Sacroiliac Jt with Nonaut Sub, Open Approach   | 158                | Spinal fusion              |
| 10                    | 05G80ZZ              | Fusion of Left Sacroiliac Joint, Open Approach             | 158                | Spinal fusion              |
| 10                    | 05G834Z              | Fusion of Left Sacroiliac Joint with Int Fix, Perc Approac | 158                | Spinal fusion              |
| 10                    | 05G837Z              | Fusion of L Sacroiliac Jt with Autol Sub, Perc Approach    | 158                | Spinal fusion              |
| 10                    | 05G83IZ              | Fusion of L Sacroiliac Jt with Synth Sub, Perc Approach    | 158                | Spinal fusion              |
| 10                    | 05G83KZ              | Fusion of L Sacroiliac Jt with Nonaut Sub, Perc Approach   | 158                | Spinal fusion              |
| 10                    | 05G83ZZ              | Fusion of Left Sacroiliac Joint, Percutaneous Approach     | 158                | Spinal fusion              |
| 10                    | 05G844Z              | Fusion of L Sacroiliac Jt with Int Fix, Perc Endo Approach | 158                | Spinal fusion              |
| 10                    | 05G847Z              | Fusion of L Sacroiliac Jt with Autol Sub, Perc Endo Approa | 158                | Spinal fusion              |
| 10                    | 05G84IZ              | Fusion of L Sacroiliac Jt with Synth Sub, Perc Endo Approa | 158                | Spinal fusion              |
| 10                    | 05G84KZ              | Fusion L Sacroiliac Jt w Nonaut Sub, Perc Endo             | 158                | Spinal fusion              |
| 10                    | 05G84ZZ              | Fusion of Left Sacroiliac Joint, Perc Endo Approach        | 158                | Spinal fusion              |
| 10                    | 05I00ZZ              | Inspection of Lumbar Vertebral Joint, Open Approach        | 159                | Other diagnostic           |
| 10                    | 05I03ZZ              | Inspection of Lumbar Vertebral Joint, Percutaneous Approac | 159                | Other diagnostic           |
| 10                    | 05I0XZZ              | Inspection of Lumbar Vertebral Joint, External Approach    | 159                | Other diagnostic           |
| 10                    | 05I20ZZ              | Inspection of Lumbar Vertebral Disc, Open Approach         | 159                | Other diagnostic           |
| 10                    | 05I23ZZ              | Inspection of Lumbar Vertebral Disc, Percutaneous Approach | 159                | Other diagnostic           |
| 10                    | 05I2XZZ              | Inspection of Lumbar Vertebral Disc, External Approach     | 159                | Other diagnostic           |
| 10                    | 05I30ZZ              | Inspection of Lumbosacral Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 05I33ZZ              | Inspection of Lumbosacral Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 05I3XZZ              | Inspection of Lumbosacral Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 05I40ZZ              | Inspection of Lumbosacral Disc, Open Approach              | 159                | Other diagnostic           |
| 10                    | 05I43ZZ              | Inspection of Lumbosacral Disc, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 05I4XZZ              | Inspection of Lumbosacral Disc, External Approach          | 159                | Other diagnostic           |
| 10                    | 05I50ZZ              | Inspection of Sacrococcygeal Joint, Open Approach          | 159                | Other diagnostic           |
| 10                    | 05I53ZZ              | Inspection of Sacrococcygeal Joint, Percutaneous Approach  | 159                | Other diagnostic           |
| 10                    | 05I5XZZ              | Inspection of Sacrococcygeal Joint, External Approach      | 159                | Other diagnostic           |
| 10                    | 05I60ZZ              | Inspection of Coccygeal Joint, Open Approach               | 159                | Other diagnostic           |
| 10                    | 05I63ZZ              | Inspection of Coccygeal Joint, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 05I6XZZ              | Inspection of Coccygeal Joint, External Approach           | 159                | Other diagnostic           |
| 10                    | 05I70ZZ              | Inspection of Right Sacroiliac Joint, Open Approach        | 159                | Other diagnostic           |
| 10                    | 05I73ZZ              | Inspection of Right Sacroiliac Joint, Percutaneous Approac | 159                | Other diagnostic           |
| 10                    | 05I7XZZ              | Inspection of Right Sacroiliac Joint, External Approach    | 159                | Other diagnostic           |
| 10                    | 05I80ZZ              | Inspection of Left Sacroiliac Joint, Open Approach         | 159                | Other diagnostic           |
| 10                    | 05I83ZZ              | Inspection of Left Sacroiliac Joint, Percutaneous Approach | 159                | Other diagnostic           |
| 10                    | 05I8XZZ              | Inspection of Left Sacroiliac Joint, External Approach     | 159                | Other diagnostic           |
| 10                    | 05I90ZZ              | Inspection of Right Hip Joint, Open Approach               | 159                | Other diagnostic           |
| 10                    | 05I93ZZ              | Inspection of Right Hip Joint, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 05I9XZZ              | Inspection of Right Hip Joint, External Approach           | 159                | Other diagnostic           |
| 10                    | 05IB0ZZ              | Inspection of Left Hip Joint, Open Approach                | 159                | Other diagnostic           |
| 10                    | 05IB3ZZ              | Inspection of Left Hip Joint, Percutaneous Approach        | 159                | Other diagnostic           |
| 10                    | 05IBXZZ              | Inspection of Left Hip Joint, External Approach            | 159                | Other diagnostic           |
| 10                    | 05IC0ZZ              | Inspection of Right Knee Joint, Open Approach              | 159                | Other diagnostic           |
| 10                    | 05IC3ZZ              | Inspection of Right Knee Joint, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 05ICXZZ              | Inspection of Right Knee Joint, External Approach          | 159                | Other diagnostic           |
| 10                    | 05ID0ZZ              | Inspection of Left Knee Joint, Open Approach               | 159                | Other diagnostic           |
| 10                    | 05ID3ZZ              | Inspection of Left Knee Joint, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 05IDXZZ              | Inspection of Left Knee Joint, External Approach           | 159                | Other diagnostic           |
| 10                    | 05IF0ZZ              | Inspection of Right Ankle Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 05IF3ZZ              | Inspection of Right Ankle Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 05IFXZZ              | Inspection of Right Ankle Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 05JG0ZZ              | Inspection of Left Ankle Joint, Open Approach              | 159                | Other diagnostic           |
| 10                    | 05JG3ZZ              | Inspection of Left Ankle Joint, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 05JGXZZ              | Inspection of Left Ankle Joint, External Approach          | 159                | Other diagnostic           |
| 10                    | 05JH0ZZ              | Inspection of Right Tarsal Joint, Open Approach            | 159                | Other diagnostic           |
| 10                    | 05JH3ZZ              | Inspection of Right Tarsal Joint, Percutaneous Approach    | 159                | Other diagnostic           |
| 10                    | 05JHXZZ              | Inspection of Right Tarsal Joint, External Approach        | 159                | Other diagnostic           |
| 10                    | 05JI0ZZ              | Inspection of Left Tarsal Joint, Open Approach             | 159                | Other diagnostic           |
| 10                    | 05JI3ZZ              | Inspection of Left Tarsal Joint, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 05JIXZZ              | Inspection of Left Tarsal Joint, External Approach         | 159                | Other diagnostic           |
| 10                    | 05JK0ZZ              | Inspection of Right Metatarsal-Tarsal Joint, Open Approach | 159                | Other diagnostic           |
| 10                    | 05JK3ZZ              | Inspection of Right Metatarsal-Tarsal Joint, Perc Approach | 159                | Other diagnostic           |
| 10                    | 05JKXZZ              | Inspection of Right Metatarsal-Tarsal Joint, Extern Approa | 159                | Other diagnostic           |
| 10                    | 05LO0ZZ              | Inspection of Left Metatarsal-Tarsal Joint, Open Approach  | 159                | Other diagnostic           |
| 10                    | 05L3ZZ               | Inspection of Left Metatarsal-Tarsal Joint, Perc Approach  | 159                | Other diagnostic           |
| 10                    | 05LXZZ               | Inspection of Left Metatarsal-Tarsal Joint, Extern Approac | 159                | Other diagnostic           |
| 10                    | 05JM0ZZ              | Inspection of R Metatarsophal Jt, Open Approach            | 159                | Other diagnostic           |
| 10                    | 05JM3ZZ              | Inspection of R Metatarsophal Jt, Perc Approach            | 159                | Other diagnostic           |
| 10                    | 05JMXZZ              | Inspection of R Metatarsophal Jt, Extern Approach          | 159                | Other diagnostic           |
| 10                    | 05JN0ZZ              | Inspection of L Metatarsophal Jt, Open Approach            | 159                | Other diagnostic           |
| 10                    | 05JN3ZZ              | Inspection of L Metatarsophal Jt, Perc Approach            | 159                | Other diagnostic           |
| 10                    | 05JNXZZ              | Inspection of L Metatarsophal Jt, Extern Approach          | 159                | Other diagnostic           |
| 10                    | 05JP0ZZ              | Inspection of Right Toe Phalangeal Joint, Open Approach    | 159                | Other diagnostic           |
| 10                    | 05JP3ZZ              | Inspection of Right Toe Phalangeal Joint, Perc Approach    | 159                | Other diagnostic           |
| 10                    | 05JPXZZ              | Inspection of Right Toe Phalangeal Joint, External Approac | 159                | Other diagnostic           |
| 10                    | 05JQ0ZZ              | Inspection of Left Toe Phalangeal Joint, Open Approach     | 159                | Other diagnostic           |
| 10                    | 05JQ3ZZ              | Inspection of Left Toe Phalangeal Joint, Perc Approach     | 159                | Other diagnostic           |
| 10                    | 05JQXZZ              | Inspection of Left Toe Phalangeal Joint, External Approach | 159                | Other diagnostic           |
| 10                    | 05R007Z              | Replacement of Lum Jt with Autol Sub, Open Approach        | 154                | Arthroplasty othe          |
| 10                    | 05R00IZ              | Replacement of Lum Jt with Synth Sub, Open Approach        | 154                | Arthroplasty othe          |
| 10                    | 05R00KZ              | Replacement of Lum Jt with Nonaut Sub, Open Approach       | 154                | Arthroplasty othe          |
| 10                    | 05R207Z              | Replacement of Lum Disc with Autol Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 05R20IZ              | Replacement of Lum Disc with Synth Sub, Open Approach      | 154                | Arthroplasty othe          |
| 10                    | 05R20KZ              | Replacement of Lum Disc with Nonaut Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 05R307Z              | Replacement of Lumsac Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 05R30IZ              | Replacement of Lumsac Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe          |
| 10                    | 05R30KZ              | Replacement of Lumsac Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe          |
| 10                    | 05R407Z              | Replacement of Lumsac Disc with Autol Sub, Open Approach   | 154                | Arthroplasty othe          |
| 10                    | 05R40IZ              | Replacement of Lumsac Disc with Synth Sub, Open Approach   | 154                | Arthroplasty othe          |
| 10                    | 05R40KZ              | Replacement of Lumsac Disc with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe          |
| 10                    | 05R507Z              | Replace of Sacrococcygeal Jt with Autol Sub, Open Approach | 154                | Arthroplasty othe          |
| 10                    | 05R50IZ              | Replace of Sacrococcygeal Jt with Synth Sub, Open Approach | 154                | Arthroplasty othe          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 05R50KZ              | Replace of Sacrococcygeal Jt with Nonaut Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 05R607Z              | Replacement of Coccygeal Joint with Autol Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 05R60JZ              | Replacement of Coccygeal Joint with Synth Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 05R60KZ              | Replacement of Coccygeal Jt with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 05R707Z              | Replacement of R Sacroiliac Jt with Nonaut Sub, Open Approa | 154                | Arthroplasty othe         |
| 10                    | 05R70JZ              | Replacement of R Sacroiliac Jt with Synth Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 05R70KZ              | Replace of R Sacroiliac Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 05R807Z              | Replacement of L Sacroiliac Jt with Autol Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 05R80JZ              | Replacement of L Sacroiliac Jt with Synth Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 05R80KZ              | Replace of L Sacroiliac Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 05R9019              | Replacement of R Hip Jt with Metal, Cement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05R901A              | Replacement of R Hip Jt with Metal, Uncement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05R901Z              | Replacement of Right Hip Joint with Metal, Open Approach    | 153                | Hip replacement;          |
| 10                    | 05R9029              | Replace R Hip Jt w Metal on Poly, Cement, Open              | 153                | Hip replacement;          |
| 10                    | 05R902A              | Replace R Hip Jt w Metal on Poly, Uncement, Open            | 153                | Hip replacement;          |
| 10                    | 05R902Z              | Replacement of R Hip Jt with Metal on Poly, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05R9039              | Replacement of R Hip Jt with Ceramic, Cement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05R903A              | Replace of R Hip Jt with Ceramic, Uncement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05R903Z              | Replacement of Right Hip Joint with Ceramic, Open Approach  | 153                | Hip replacement;          |
| 10                    | 05R9049              | Replace R Hip Jt w Ceramic on Poly, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05R904A              | Replace R Hip Jt w Ceramic on Poly, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05R904Z              | Replacement of R Hip Jt with Ceramic on Poly, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05R907Z              | Replacement of Right Hip Joint with Autol Sub, Open Approa  | 153                | Hip replacement;          |
| 10                    | 05R90J9              | Replace of R Hip Jt with Synth Sub, Cement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05R90JA              | Replace of R Hip Jt with Synth Sub, Uncement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05R90JZ              | Replacement of Right Hip Joint with Synth Sub, Open Approa  | 153                | Hip replacement;          |
| 10                    | 05R90KZ              | Replacement of R Hip Jt with Nonaut Sub, Open Approach      | 153                | Hip replacement;          |
| 10                    | 05RA009              | Replace R Hip Jt, Acetab w Polyeth, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05RA00A              | Replace R Hip Jt, Acetab w Polyeth, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05RA00Z              | Replacement of R Hip Jt, Acetab with Polyeth, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RA019              | Replace R Hip Jt, Acetab w Metal, Cement, Open              | 153                | Hip replacement;          |
| 10                    | 05RA01A              | Replace R Hip Jt, Acetab w Metal, Uncement, Open            | 153                | Hip replacement;          |
| 10                    | 05RA01Z              | Replacement of R Hip Jt, Acetab with Metal, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RA039              | Replace R Hip Jt, Acetab w Ceramic, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05RA03A              | Replace R Hip Jt, Acetab w Ceramic, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05RA03Z              | Replacement of R Hip Jt, Acetab with Ceramic, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RA07Z              | Replace of R Hip Jt, Acetab with Autol Sub, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RA0J9              | Replace R Hip Jt, Acetab w Synth Sub, Cement, Open          | 153                | Hip replacement;          |
| 10                    | 05RA0JA              | Replace R Hip Jt, Acetab w Synth Sub, Uncement, Open        | 153                | Hip replacement;          |
| 10                    | 05RA0JZ              | Replace of R Hip Jt, Acetab with Synth Sub, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RA0KZ              | Replace of R Hip Jt, Acetab with Nonaut Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 05RB019              | Replacement of L Hip Jt with Metal, Cement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RB01A              | Replacement of L Hip Jt with Metal, Uncement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB01Z              | Replacement of Left Hip Joint with Metal, Open Approach     | 153                | Hip replacement;          |
| 10                    | 05RB029              | Replace L Hip Jt w Metal on Poly, Cement, Open              | 153                | Hip replacement;          |
| 10                    | 05RB02A              | Replace L Hip Jt w Metal on Poly, Uncement, Open            | 153                | Hip replacement;          |
| 10                    | 05RB02Z              | Replacement of L Hip Jt with Metal on Poly, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RB039              | Replacement of L Hip Jt with Ceramic, Cement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB03A              | Replace of L Hip Jt with Ceramic, Uncement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RB03Z              | Replacement of Left Hip Joint with Ceramic, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RB049              | Replace L Hip Jt w Ceramic on Poly, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05RB04A              | Replace L Hip Jt w Ceramic on Poly, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05RB04Z              | Replacement of L Hip Jt with Ceramic on Poly, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB07Z              | Replacement of Left Hip Joint with Autol Sub, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB0J9              | Replace of L Hip Jt with Synth Sub, Cement, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RB0JA              | Replace of L Hip Jt with Synth Sub, Uncement, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB0JZ              | Replacement of Left Hip Joint with Synth Sub, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RB0KZ              | Replacement of Left Hip Joint with Nonaut Sub, Open Approa  | 153                | Hip replacement;          |
| 10                    | 05RC07Z              | Replacement of R Knee Jt with Autol Sub, Open Approach      | 152                | Arthroplasty knee         |
| 10                    | 05RC0J9              | Replace of R Knee Jt with Synth Sub, Cement, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 05RC0JA              | Replace of R Knee Jt with Synth Sub, Uncement, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RC0JZ              | Replacement of R Knee Jt with Synth Sub, Open Approach      | 152                | Arthroplasty knee         |
| 10                    | 05RC0KZ              | Replacement of R Knee Jt with Nonaut Sub, Open Approach     | 152                | Arthroplasty knee         |
| 10                    | 05RC0L9              | Replace of R Knee Jt with Unicodnyl, Cement, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 05RC0LA              | Replace of R Knee Jt with Unicodnyl, Uncement, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RC0LZ              | Replacement of R Knee Jt with Unicodnyl, Open Approach      | 152                | Arthroplasty knee         |
| 10                    | 05RD07Z              | Replacement of Left Knee Joint with Autol Sub, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RD0J9              | Replace of L Knee Jt with Synth Sub, Cement, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 05RD0JA              | Replace of L Knee Jt with Synth Sub, Uncement, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RD0JZ              | Replacement of Left Knee Joint with Synth Sub, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RD0KZ              | Replacement of L Knee Jt with Nonaut Sub, Open Approach     | 152                | Arthroplasty knee         |
| 10                    | 05RD0L9              | Replace of L Knee Jt with Unicodnyl, Cement, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 05RD0LA              | Replace of L Knee Jt with Unicodnyl, Uncement, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RD0LZ              | Replacement of Left Knee Joint with Unicodnyl, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 05RE009              | Replace L Hip Jt, Acetab w Polyeth, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05RE00A              | Replace L Hip Jt, Acetab w Polyeth, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05RE00Z              | Replacement of L Hip Jt, Acetab with Polyeth, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RE019              | Replace L Hip Jt, Acetab w Metal, Cement, Open              | 153                | Hip replacement;          |
| 10                    | 05RE01A              | Replace L Hip Jt, Acetab w Metal, Uncement, Open            | 153                | Hip replacement;          |
| 10                    | 05RE01Z              | Replacement of L Hip Jt, Acetab with Metal, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RE039              | Replace L Hip Jt, Acetab w Ceramic, Cement, Open            | 153                | Hip replacement;          |
| 10                    | 05RE03A              | Replace L Hip Jt, Acetab w Ceramic, Uncement, Open          | 153                | Hip replacement;          |
| 10                    | 05RE03Z              | Replacement of L Hip Jt, Acetab with Ceramic, Open Approac  | 153                | Hip replacement;          |
| 10                    | 05RE07Z              | Replace of L Hip Jt, Acetab with Autol Sub, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RE0J9              | Replace L Hip Jt, Acetab w Synth Sub, Cement, Open          | 153                | Hip replacement;          |
| 10                    | 05RE0JA              | Replace L Hip Jt, Acetab w Synth Sub, Uncement, Open        | 153                | Hip replacement;          |
| 10                    | 05RE0JZ              | Replace of L Hip Jt, Acetab with Synth Sub, Open Approach   | 153                | Hip replacement;          |
| 10                    | 05RE0KZ              | Replace of L Hip Jt, Acetab with Nonaut Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 05RF07Z              | Replacement of R Ankle Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | 05RF0J9              | Replace of R Ankle Jt with Synth Sub, Cement, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 05RF0JA              | Replace R Ankle Jt w Synth Sub, Uncement, Open              | 154                | Arthroplasty othe         |
| 10                    | 05RF0JZ              | Replacement of R Ankle Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | 05RF0KZ              | Replacement of R Ankle Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RG07Z              | Replacement of L Ankle Jt with Autol Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | 05RG0J9              | Replace of L Ankle Jt with Synth Sub, Cement, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 05RG0JA              | Replace L Ankle Jt w Synth Sub, Uncement, Open              | 154                | Arthroplasty othe         |
| 10                    | 05RG0JZ              | Replacement of L Ankle Jt with Synth Sub, Open Approach     | 154                | Arthroplasty othe         |
| 10                    | 05RG0KZ              | Replacement of L Ankle Jt with Nonaut Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RH07Z              | Replacement of R Tarsal Jt with Autol Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RH0JZ              | Replacement of R Tarsal Jt with Synth Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RH0KZ              | Replacement of R Tarsal Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 05RJ07Z              | Replacement of L Tarsal Jt with Autol Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RJ0JZ              | Replacement of L Tarsal Jt with Synth Sub, Open Approach    | 154                | Arthroplasty othe         |
| 10                    | 05RJ0KZ              | Replacement of L Tarsal Jt with Nonaut Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 05RK07Z              | Replace of R Metatarsotars Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 05RK0JZ              | Replace of R Metatarsotars Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0SRK0KZ              | Replace of R Metatarsotars Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 0SRL07Z              | Replace of L Metatarsotars Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRL0JZ              | Replace of L Metatarsotars Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRL0KZ              | Replace of L Metatarsotars Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 0SRM07Z              | Replace of R Metatarsophal Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRM0JZ              | Replace of R Metatarsophal Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRM0KZ              | Replace of R Metatarsophal Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 0SRN07Z              | Replace of L Metatarsophal Jt with Autol Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRN0JZ              | Replace of L Metatarsophal Jt with Synth Sub, Open Approac  | 154                | Arthroplasty othe         |
| 10                    | 0SRN0KZ              | Replace of L Metatarsophal Jt with Nonaut Sub, Open Approa  | 154                | Arthroplasty othe         |
| 10                    | 0SRP07Z              | Replace of R Toe Phalanx Jt with Autol Sub, Open Approac    | 154                | Arthroplasty othe         |
| 10                    | 0SRP0JZ              | Replace of R Toe Phalanx Jt with Synth Sub, Open Approac    | 154                | Arthroplasty othe         |
| 10                    | 0SRP0KZ              | Replace of R Toe Phalanx Jt with Nonaut Sub, Open Approac   | 154                | Arthroplasty othe         |
| 10                    | 0SRQ07Z              | Replace of L Toe Phalanx Jt with Autol Sub, Open Approac    | 154                | Arthroplasty othe         |
| 10                    | 0SRQ0JZ              | Replace of L Toe Phalanx Jt with Synth Sub, Open Approac    | 154                | Arthroplasty othe         |
| 10                    | 0SRQ0KZ              | Replace of L Toe Phalanx Jt with Nonaut Sub, Open Approac   | 154                | Arthroplasty othe         |
| 10                    | 0SRR019              | Replace R Hip Jt, Femoral w Metal, Cement, Open             | 153                | Hip replacement;          |
| 10                    | 0SRR01A              | Replace R Hip Jt, Femoral w Metal, Uncement, Open           | 153                | Hip replacement;          |
| 10                    | 0SRR01Z              | Replacement of R Hip Jt, Femoral with Metal, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRR039              | Replace R Hip Jt, Femoral w Ceramic, Cement, Open           | 153                | Hip replacement;          |
| 10                    | 0SRR03A              | Replace R Hip Jt, Femoral w Ceramic, Uncement, Open         | 153                | Hip replacement;          |
| 10                    | 0SRR03Z              | Replacement of R Hip Jt, Femoral with Ceramic, Open Approa  | 153                | Hip replacement;          |
| 10                    | 0SRR07Z              | Replace of R Hip Jt, Femoral with Autol Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRR0J9              | Replace R Hip Jt, Femoral w Synth Sub, Cement, Open         | 153                | Hip replacement;          |
| 10                    | 0SRR0JA              | Replace R Hip Jt, Femoral w Synth Sub, Uncement, Open       | 153                | Hip replacement;          |
| 10                    | 0SRR0JZ              | Replace of R Hip Jt, Femoral with Synth Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRR0KZ              | Replace of R Hip Jt, Femoral with Nonaut Sub, Open Approach | 153                | Hip replacement;          |
| 10                    | 0SRS019              | Replace L Hip Jt, Femoral w Metal, Cement, Open             | 153                | Hip replacement;          |
| 10                    | 0SRS01A              | Replace L Hip Jt, Femoral w Metal, Uncement, Open           | 153                | Hip replacement;          |
| 10                    | 0SRS01Z              | Replacement of L Hip Jt, Femoral with Metal, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRS039              | Replace L Hip Jt, Femoral w Ceramic, Cement, Open           | 153                | Hip replacement;          |
| 10                    | 0SRS03A              | Replace L Hip Jt, Femoral w Ceramic, Uncement, Open         | 153                | Hip replacement;          |
| 10                    | 0SRS03Z              | Replacement of L Hip Jt, Femoral with Ceramic, Open Approa  | 153                | Hip replacement;          |
| 10                    | 0SRS07Z              | Replace of L Hip Jt, Femoral with Autol Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRS0J9              | Replace L Hip Jt, Femoral w Synth Sub, Cement, Open         | 153                | Hip replacement;          |
| 10                    | 0SRS0JA              | Replace L Hip Jt, Femoral w Synth Sub, Uncement, Open       | 153                | Hip replacement;          |
| 10                    | 0SRS0JZ              | Replace of L Hip Jt, Femoral with Synth Sub, Open Approach  | 153                | Hip replacement;          |
| 10                    | 0SRS0KZ              | Replace of L Hip Jt, Femoral with Nonaut Sub, Open Approach | 153                | Hip replacement;          |
| 10                    | 0SRT07Z              | Replace of R Knee Jt, Femoral with Autol Sub, Open Approac  | 152                | Arthroplasty knee         |
| 10                    | 0SRT0J9              | Replace R Knee Jt, Femoral w Synth Sub, Cement, Open        | 152                | Arthroplasty knee         |
| 10                    | 0SRT0JA              | Replace R Knee Jt, Femoral w Synth Sub, Uncement, Open      | 152                | Arthroplasty knee         |
| 10                    | 0SRT0JZ              | Replace of R Knee Jt, Femoral with Synth Sub, Open Approach | 152                | Arthroplasty knee         |
| 10                    | 0SRT0KZ              | Replace of R Knee Jt, Femoral with Nonaut Sub, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 0SRU07Z              | Replace of L Knee Jt, Femoral with Autol Sub, Open Approach | 152                | Arthroplasty knee         |
| 10                    | 0SRU0J9              | Replace L Knee Jt, Femoral w Synth Sub, Cement, Open        | 152                | Arthroplasty knee         |
| 10                    | 0SRU0JA              | Replace L Knee Jt, Femoral w Synth Sub, Uncement, Open      | 152                | Arthroplasty knee         |
| 10                    | 0SRU0JZ              | Replace of L Knee Jt, Femoral with Synth Sub, Open Approach | 152                | Arthroplasty knee         |
| 10                    | 0SRU0KZ              | Replace of L Knee Jt, Femoral with Nonaut Sub, Open Approa  | 152                | Arthroplasty knee         |
| 10                    | 0SRV07Z              | Replace of R Knee Jt, Tibial with Autol Sub, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 0SRV0J9              | Replace R Knee Jt, Tibial w Synth Sub, Cement, Open         | 152                | Arthroplasty knee         |
| 10                    | 0SRV0JA              | Replace R Knee Jt, Tibial w Synth Sub, Uncement, Open       | 152                | Arthroplasty knee         |
| 10                    | 0SRV0JZ              | Replace of R Knee Jt, Tibial with Synth Sub, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 0SRV0KZ              | Replace of R Knee Jt, Tibial with Nonaut Sub, Open Approach | 152                | Arthroplasty knee         |
| 10                    | 0SRW07Z              | Replace of L Knee Jt, Tibial with Autol Sub, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 0SRW0J9              | Replace L Knee Jt, Tibial w Synth Sub, Cement, Open         | 152                | Arthroplasty knee         |
| 10                    | 0SRW0JA              | Replace L Knee Jt, Tibial w Synth Sub, Uncement, Open       | 152                | Arthroplasty knee         |
| 10                    | 0SRW0JZ              | Replace of L Knee Jt, Tibial with Synth Sub, Open Approach  | 152                | Arthroplasty knee         |
| 10                    | 0SRW0KZ              | Replace of L Knee Jt, Tibial with Nonaut Sub, Open Approach | 152                | Arthroplasty knee         |
| 10                    | 0ST20ZZ              | Resection of Lumbar Vertebral Disc, Open Approach           | 3                  | Excision destruct         |
| 10                    | 0ST40ZZ              | Resection of Lumbosacral Disc, Open Approach                | 3                  | Excision destruct         |
| 10                    | 0SU007Z              | Supplement Lum Jt with Autol Sub, Open Approach             | 154                | Arthroplasty othe         |
| 10                    | 0SU00JZ              | Supplement Lum Jt with Synth Sub, Open Approach             | 154                | Arthroplasty othe         |
| 10                    | 0SU00KZ              | Supplement Lum Jt with Nonaut Sub, Open Approach            | 154                | Arthroplasty othe         |
| 10                    | 0SU037Z              | Supplement Lum Jt with Autol Sub, Perc Approach             | 154                | Arthroplasty othe         |
| 10                    | 0SU03JZ              | Supplement Lum Jt with Synth Sub, Perc Approach             | 154                | Arthroplasty othe         |
| 10                    | 0SU03KZ              | Supplement Lum Jt with Nonaut Sub, Perc Approach            | 154                | Arthroplasty othe         |
| 10                    | 0SU047Z              | Supplement Lum Jt with Autol Sub, Perc Endo Approach        | 154                | Arthroplasty othe         |
| 10                    | 0SU04JZ              | Supplement Lum Jt with Synth Sub, Perc Endo Approach        | 154                | Arthroplasty othe         |
| 10                    | 0SU04KZ              | Supplement Lum Jt with Nonaut Sub, Perc Endo Approach       | 154                | Arthroplasty othe         |
| 10                    | 0SU207Z              | Supplement Lum Disc with Autol Sub, Open Approach           | 154                | Arthroplasty othe         |
| 10                    | 0SU20JZ              | Supplement Lum Disc with Synth Sub, Open Approach           | 154                | Arthroplasty othe         |
| 10                    | 0SU20KZ              | Supplement Lum Disc with Nonaut Sub, Open Approach          | 154                | Arthroplasty othe         |
| 10                    | 0SU237Z              | Supplement Lum Disc with Autol Sub, Perc Approach           | 154                | Arthroplasty othe         |
| 10                    | 0SU23JZ              | Supplement Lum Disc with Synth Sub, Perc Approach           | 154                | Arthroplasty othe         |
| 10                    | 0SU23KZ              | Supplement Lum Disc with Nonaut Sub, Perc Approach          | 154                | Arthroplasty othe         |
| 10                    | 0SU247Z              | Supplement Lum Disc with Autol Sub, Perc Endo Approach      | 154                | Arthroplasty othe         |
| 10                    | 0SU24JZ              | Supplement Lum Disc with Synth Sub, Perc Endo Approach      | 154                | Arthroplasty othe         |
| 10                    | 0SU24KZ              | Supplement Lum Disc with Nonaut Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | 0SU307Z              | Supplement Lumbosacral Joint with Autol Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU30JZ              | Supplement Lumbosacral Joint with Synth Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU30KZ              | Supplement Lumbosacral Joint with Nonaut Sub, Open Approach | 154                | Arthroplasty othe         |
| 10                    | 0SU337Z              | Supplement Lumbosacral Joint with Autol Sub, Perc Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU33JZ              | Supplement Lumbosacral Joint with Synth Sub, Perc Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU33KZ              | Supplement Lumbosacral Joint with Nonaut Sub, Perc Approach | 154                | Arthroplasty othe         |
| 10                    | 0SU347Z              | Supplement Lumsac Jt with Autol Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | 0SU34JZ              | Supplement Lumsac Jt with Synth Sub, Perc Endo Approach     | 154                | Arthroplasty othe         |
| 10                    | 0SU34KZ              | Supplement Lumsac Jt with Nonaut Sub, Perc Endo Approach    | 154                | Arthroplasty othe         |
| 10                    | 0SU407Z              | Supplement Lumbosacral Disc with Autol Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU40JZ              | Supplement Lumbosacral Disc with Synth Sub, Open Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU40KZ              | Supplement Lumbosacral Disc with Nonaut Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU437Z              | Supplement Lumbosacral Disc with Autol Sub, Perc Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU43JZ              | Supplement Lumbosacral Disc with Synth Sub, Perc Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU43KZ              | Supplement Lumbosacral Disc with Nonaut Sub, Perc Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU447Z              | Supplement Lumsac Disc with Autol Sub, Perc Endo Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU44JZ              | Supplement Lumsac Disc with Synth Sub, Perc Endo Approach   | 154                | Arthroplasty othe         |
| 10                    | 0SU44KZ              | Supplement Lumsac Disc with Nonaut Sub, Perc Endo Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU507Z              | Supplement Sacrococcygeal Jt with Autol Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU50JZ              | Supplement Sacrococcygeal Jt with Synth Sub, Open Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU50KZ              | Supplement Sacrococcygeal Jt with Nonaut Sub, Open Approach | 154                | Arthroplasty othe         |
| 10                    | 0SU537Z              | Supplement Sacrococcygeal Jt with Autol Sub, Perc Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU53JZ              | Supplement Sacrococcygeal Jt with Synth Sub, Perc Approach  | 154                | Arthroplasty othe         |
| 10                    | 0SU53KZ              | Supplement Sacrococcygeal Jt with Nonaut Sub, Perc Approach | 154                | Arthroplasty othe         |
| 10                    | 0SU547Z              | Supplement Sacrococcygeal Jt w Autol Sub, Perc Endo         | 154                | Arthroplasty othe         |
| 10                    | 0SU54JZ              | Supplement Sacrococcygeal Jt w Synth Sub, Perc Endo         | 154                | Arthroplasty othe         |
| 10                    | 0SU54KZ              | Supplement Sacrococcygeal Jt w Nonaut Sub, Perc Endo        | 154                | Arthroplasty othe         |
| 10                    | 0SU607Z              | Supplement Coccygeal Joint with Autol Sub, Open Approach    | 154                | Arthroplasty othe         |













The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0T1B07C              | Bypass Bladder to Ileoecutan with Autol Sub, Open Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B07D              | Bypass Bladder to Cutaneous with Autol Sub, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0T1B0J9              | Bypass Bladder to Colocutan with Synth Sub, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0T1B0JC              | Bypass Bladder to Ileoecutan with Synth Sub, Open Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B0JD              | Bypass Bladder to Cutaneous with Synth Sub, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0T1B0K9              | Bypass Bladder to Colocutan with Nonaut Sub, Open Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B0KC              | Bypass Bladder to Ileoecutan with Nonaut Sub, Open Approach | 112                | Other OR therapeu         |
| 10                    | 0T1B0KD              | Bypass Bladder to Cutaneous with Nonaut Sub, Open Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B0Z9              | Bypass Bladder to Colocutaneous, Open Approach              | 112                | Other OR therapeu         |
| 10                    | 0T1B0ZC              | Bypass Bladder to Ileoecutaneous, Open Approach             | 112                | Other OR therapeu         |
| 10                    | 0T1B0ZD              | Bypass Bladder to Cutaneous, Open Approach                  | 112                | Other OR therapeu         |
| 10                    | 0T1B3JD              | Bypass Bladder to Cutaneous with Synth Sub, Perc Approach   | 112                | Other OR therapeu         |
| 10                    | 0T1B479              | Bypass Bladder to Colocutan w Autol Sub, Perc Endo          | 112                | Other OR therapeu         |
| 10                    | 0T1B47C              | Bypass Bladder to Ileoecutan w Autol Sub, Perc Endo         | 112                | Other OR therapeu         |
| 10                    | 0T1B47D              | Bypass Bladder to Cutan with Autol Sub, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B4J9              | Bypass Bladder to Colocutan w Synth Sub, Perc Endo          | 112                | Other OR therapeu         |
| 10                    | 0T1B4JC              | Bypass Bladder to Ileoecutan w Synth Sub, Perc Endo         | 112                | Other OR therapeu         |
| 10                    | 0T1B4JD              | Bypass Bladder to Cutan with Synth Sub, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0T1B4K9              | Bypass Bladder to Colocutan w Nonaut Sub, Perc Endo         | 112                | Other OR therapeu         |
| 10                    | 0T1B4KC              | Bypass Bladder to Ileoecutan w Nonaut Sub, Perc Endo        | 112                | Other OR therapeu         |
| 10                    | 0T1B4KD              | Bypass Bladder to Cutan with Nonaut Sub, Perc Endo Approach | 112                | Other OR therapeu         |
| 10                    | 0T1B4Z9              | Bypass Bladder to Colocutaneous, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0T1B4ZC              | Bypass Bladder to Ileoecutaneous, Perc Endo Approach        | 112                | Other OR therapeu         |
| 10                    | 0T1B4ZD              | Bypass Bladder to Cutaneous, Perc Endo Approach             | 112                | Other OR therapeu         |
| 10                    | 0T500Z2              | Destruction of Right Kidney, Open Approach                  | 112                | Other OR therapeu         |
| 10                    | 0T503Z2              | Destruction of Right Kidney, Percutaneous Approach          | 112                | Other OR therapeu         |
| 10                    | 0T504Z2              | Destruction of Right Kidney, Perc Endo Approach             | 112                | Other OR therapeu         |
| 10                    | 0T510Z2              | Destruction of Left Kidney, Open Approach                   | 112                | Other OR therapeu         |
| 10                    | 0T513Z2              | Destruction of Left Kidney, Percutaneous Approach           | 112                | Other OR therapeu         |
| 10                    | 0T514Z2              | Destruction of Left Kidney, Percutaneous Endoscopic Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T530Z2              | Destruction of Right Kidney Pelvis, Open Approach           | 112                | Other OR therapeu         |
| 10                    | 0T533Z2              | Destruction of Right Kidney Pelvis, Percutaneous Approach   | 112                | Other OR therapeu         |
| 10                    | 0T534Z2              | Destruction of Right Kidney Pelvis, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0T540Z2              | Destruction of Left Kidney Pelvis, Open Approach            | 112                | Other OR therapeu         |
| 10                    | 0T543Z2              | Destruction of Left Kidney Pelvis, Percutaneous Approach    | 112                | Other OR therapeu         |
| 10                    | 0T544Z2              | Destruction of Left Kidney Pelvis, Perc Endo Approach       | 112                | Other OR therapeu         |
| 10                    | 0T560Z2              | Destruction of Right Ureter, Open Approach                  | 112                | Other OR therapeu         |
| 10                    | 0T563Z2              | Destruction of Right Ureter, Percutaneous Approach          | 112                | Other OR therapeu         |
| 10                    | 0T564Z2              | Destruction of Right Ureter, Perc Endo Approach             | 112                | Other OR therapeu         |
| 10                    | 0T570Z2              | Destruction of Left Ureter, Open Approach                   | 112                | Other OR therapeu         |
| 10                    | 0T573Z2              | Destruction of Left Ureter, Percutaneous Approach           | 112                | Other OR therapeu         |
| 10                    | 0T574Z2              | Destruction of Left Ureter, Percutaneous Endoscopic Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T580Z2              | Destruction of Bladder, Open Approach                       | 112                | Other OR therapeu         |
| 10                    | 0T583Z2              | Destruction of Bladder, Percutaneous Approach               | 112                | Other OR therapeu         |
| 10                    | 0T584Z2              | Destruction of Bladder, Percutaneous Endoscopic Approach    | 112                | Other OR therapeu         |
| 10                    | 0T5C0Z2              | Destruction of Bladder Neck, Open Approach                  | 112                | Other OR therapeu         |
| 10                    | 0T5C3Z2              | Destruction of Bladder Neck, Percutaneous Approach          | 112                | Other OR therapeu         |
| 10                    | 0T5C4Z2              | Destruction of Bladder Neck, Perc Endo Approach             | 112                | Other OR therapeu         |
| 10                    | 0T5D0Z2              | Destruction of Urethra, Open Approach                       | 109                | Procedures on the         |
| 10                    | 0T5D3Z2              | Destruction of Urethra, Percutaneous Approach               | 109                | Procedures on the         |
| 10                    | 0T5D4Z2              | Destruction of Urethra, Percutaneous Endoscopic Approach    | 109                | Procedures on the         |
| 10                    | 0T5D7Z2              | Destruction of Urethra, Via Natural or Artificial Opening   | 109                | Procedures on the         |
| 10                    | 0T5D8Z2              | Destruction of Urethra, Endo                                | 109                | Procedures on the         |
| 10                    | 0T5DXZ2              | Destruction of Urethra, External Approach                   | 109                | Procedures on the         |
| 10                    | 0T730D2              | Dilation of R Kidney Pelvis with Intralum Dev, Open Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T730Z2              | Dilation of Right Kidney Pelvis, Open Approach              | 112                | Other OR therapeu         |
| 10                    | 0T733D2              | Dilation of R Kidney Pelvis with Intralum Dev, Perc Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T733Z2              | Dilation of Right Kidney Pelvis, Percutaneous Approach      | 112                | Other OR therapeu         |
| 10                    | 0T734D2              | Dilate R Kidney Pelvis w Intralum Dev, Perc Endo            | 112                | Other OR therapeu         |
| 10                    | 0T734Z2              | Dilation of Right Kidney Pelvis, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0T737D2              | Dilation of R Kidney Pelvis with Intralum Dev, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0T737Z2              | Dilation of Right Kidney Pelvis, Via Opening                | 112                | Other OR therapeu         |
| 10                    | 0T738D2              | Dilation of Right Kidney Pelvis with Intralum Dev, Endo     | 112                | Other OR therapeu         |
| 10                    | 0T738Z2              | Dilation of Right Kidney Pelvis, Endo                       | 112                | Other OR therapeu         |
| 10                    | 0T740D2              | Dilation of L Kidney Pelvis with Intralum Dev, Open Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T740Z2              | Dilation of Left Kidney Pelvis, Open Approach               | 112                | Other OR therapeu         |
| 10                    | 0T743D2              | Dilation of L Kidney Pelvis with Intralum Dev, Perc Appoa   | 112                | Other OR therapeu         |
| 10                    | 0T743Z2              | Dilation of Left Kidney Pelvis, Percutaneous Approach       | 112                | Other OR therapeu         |
| 10                    | 0T744D2              | Dilate L Kidney Pelvis w Intralum Dev, Perc Endo            | 112                | Other OR therapeu         |
| 10                    | 0T744Z2              | Dilation of Left Kidney Pelvis, Perc Endo Approach          | 112                | Other OR therapeu         |
| 10                    | 0T747D2              | Dilation of L Kidney Pelvis with Intralum Dev, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0T747Z2              | Dilation of Left Kidney Pelvis, Via Opening                 | 112                | Other OR therapeu         |
| 10                    | 0T748D2              | Dilation of Left Kidney Pelvis with Intralum Dev, Endo      | 112                | Other OR therapeu         |
| 10                    | 0T748Z2              | Dilation of Left Kidney Pelvis, Endo                        | 112                | Other OR therapeu         |
| 10                    | 0T760Z2              | Dilation of Right Ureter, Open Approach                     | 112                | Other OR therapeu         |
| 10                    | 0T763Z2              | Dilation of Right Ureter, Percutaneous Approach             | 112                | Other OR therapeu         |
| 10                    | 0T764Z2              | Dilation of Right Ureter, Percutaneous Endoscopic Approach  | 112                | Other OR therapeu         |
| 10                    | 0T767Z2              | Dilation of Right Ureter, Via Natural or Artificial Openin  | 112                | Other OR therapeu         |
| 10                    | 0T768Z2              | Dilation of Right Ureter, Endo                              | 112                | Other OR therapeu         |
| 10                    | 0T770Z2              | Dilation of Left Ureter, Open Approach                      | 112                | Other OR therapeu         |
| 10                    | 0T773Z2              | Dilation of Left Ureter, Percutaneous Approach              | 112                | Other OR therapeu         |
| 10                    | 0T774Z2              | Dilation of Left Ureter, Percutaneous Endoscopic Approach   | 112                | Other OR therapeu         |
| 10                    | 0T777Z2              | Dilation of Left Ureter, Via Natural or Artificial Opening  | 112                | Other OR therapeu         |
| 10                    | 0T778Z2              | Dilation of Left Ureter, Endo                               | 112                | Other OR therapeu         |
| 10                    | 0T780Z2              | Dilation of Bilateral Ureters, Open Approach                | 112                | Other OR therapeu         |
| 10                    | 0T783Z2              | Dilation of Bilateral Ureters, Percutaneous Approach        | 112                | Other OR therapeu         |
| 10                    | 0T784Z2              | Dilation of Bilateral Ureters, Perc Endo Approach           | 112                | Other OR therapeu         |
| 10                    | 0T780D2              | Dilation of Bladder with Intraluminal Device, Open Appoa    | 112                | Other OR therapeu         |
| 10                    | 0T780Z2              | Dilation of Bladder, Open Approach                          | 112                | Other OR therapeu         |
| 10                    | 0T783D2              | Dilation of Bladder with Intraluminal Device, Perc Appoa    | 112                | Other OR therapeu         |
| 10                    | 0T783Z2              | Dilation of Bladder, Percutaneous Approach                  | 112                | Other OR therapeu         |
| 10                    | 0T784D2              | Dilation of Bladder with Intralum Dev, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0T784Z2              | Dilation of Bladder, Percutaneous Endoscopic Approach       | 112                | Other OR therapeu         |
| 10                    | 0T787D2              | Dilation of Bladder with Intraluminal Device, Via Opening   | 112                | Other OR therapeu         |
| 10                    | 0T787Z2              | Dilation of Bladder, Via Natural or Artificial Opening      | 112                | Other OR therapeu         |
| 10                    | 0T788D2              | Dilation of Bladder with Intraluminal Device, Endo          | 112                | Other OR therapeu         |
| 10                    | 0T788Z2              | Dilation of Bladder, Endo                                   | 112                | Other OR therapeu         |
| 10                    | 0T7D0D2              | Dilation of Urethra with Intraluminal Device, Open Appoa    | 109                | Procedures on the         |
| 10                    | 0T7D0Z2              | Dilation of Urethra, Open Approach                          | 109                | Procedures on the         |
| 10                    | 0T7D3D2              | Dilation of Urethra with Intraluminal Device, Perc Appoa    | 109                | Procedures on the         |
| 10                    | 0T7D3Z2              | Dilation of Urethra, Percutaneous Approach                  | 109                | Procedures on the         |
| 10                    | 0T7D4D2              | Dilation of Urethra with Intralum Dev, Perc Endo Approach   | 109                | Procedures on the         |
| 10                    | 0T7D4Z2              | Dilation of Urethra, Percutaneous Endoscopic Approach       | 109                | Procedures on the         |
| 10                    | 0T7D7D2              | Dilation of Urethra with Intraluminal Device, Via Opening   | 109                | Procedures on the         |
| 10                    | 0T7D7Z2              | Dilation of Urethra, Via Natural or Artificial Opening      | 109                | Procedures on the         |
| 10                    | 0T7D8D2              | Dilation of Urethra with Intraluminal Device, Endo          | 109                | Procedures on the         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0T7D8Z               | Dilation of Urethra, Endo                                    | 109                | Procedures on the          |
| 10                    | 0T820Z               | Division of Bilateral Kidneys, Open Approach                 | 112                | Other OR therapist         |
| 10                    | 0T823Z               | Division of Bilateral Kidneys, Percutaneous Approach         | 112                | Other OR therapist         |
| 10                    | 0T824Z               | Division of Bilateral Kidneys, Perc Endo Approach            | 112                | Other OR therapist         |
| 10                    | 0T8C0Z               | Division of Bladder Neck, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T8C3Z               | Division of Bladder Neck, Percutaneous Approach              | 112                | Other OR therapist         |
| 10                    | 0T8C4Z               | Division of Bladder Neck, Percutaneous Endoscopic Approach   | 112                | Other OR therapist         |
| 10                    | 0T900Z               | Drainage of Right Kidney with Drainage Device, Open Approach | 112                | Other OR therapist         |
| 10                    | 0T900Z               | Drainage of Right Kidney, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T903Z               | Drainage of Right Kidney with Drainage Device, Perc Approach | 111                | Other non-OR therapist     |
| 10                    | 0T904Z               | Drainage of Right Kidney with Drain Dev, Perc Endo Approach  | 112                | Other OR therapist         |
| 10                    | 0T904Z               | Drainage of Right Kidney with Drain Dev, Perc Endo Approach  | 112                | Other OR therapist         |
| 10                    | 0T907Z               | Drainage of Right Kidney with Drainage Device, Via Opening   | 112                | Other OR therapist         |
| 10                    | 0T907Z               | Drainage of Right Kidney, Via Natural or Artificial Opening  | 112                | Other OR therapist         |
| 10                    | 0T908Z               | Drainage of Right Kidney with Drainage Device, Endo          | 112                | Other OR therapist         |
| 10                    | 0T908Z               | Drainage of Right Kidney, Endo                               | 112                | Other OR therapist         |
| 10                    | 0T910Z               | Drainage of Left Kidney with Drainage Device, Open Approach  | 112                | Other OR therapist         |
| 10                    | 0T910Z               | Drainage of Left Kidney, Open Approach                       | 112                | Other OR therapist         |
| 10                    | 0T913Z               | Drainage of Left Kidney with Drainage Device, Perc Approach  | 111                | Other non-OR therapist     |
| 10                    | 0T914Z               | Drainage of Left Kidney with Drain Dev, Perc Endo Approach   | 112                | Other OR therapist         |
| 10                    | 0T914Z               | Drainage of Left Kidney with Drain Dev, Perc Endo Approach   | 112                | Other OR therapist         |
| 10                    | 0T917Z               | Drainage of Left Kidney with Drainage Device, Via Opening    | 112                | Other OR therapist         |
| 10                    | 0T917Z               | Drainage of Left Kidney, Via Natural or Artificial Opening   | 112                | Other OR therapist         |
| 10                    | 0T918Z               | Drainage of Left Kidney with Drainage Device, Endo           | 112                | Other OR therapist         |
| 10                    | 0T918Z               | Drainage of Left Kidney, Endo                                | 112                | Other OR therapist         |
| 10                    | 0T930Z               | Drainage of R Kidney Pelvis with Drain Dev, Open Approach    | 112                | Other OR therapist         |
| 10                    | 0T930Z               | Drainage of Right Kidney Pelvis, Open Approach               | 112                | Other OR therapist         |
| 10                    | 0T934Z               | Drain of R Kidney Pelvis with Drain Dev, Perc Endo Approach  | 112                | Other OR therapist         |
| 10                    | 0T937Z               | Drainage of Right Kidney Pelvis with Drain Dev, Via Opening  | 112                | Other OR therapist         |
| 10                    | 0T937Z               | Drainage of Right Kidney Pelvis, Via Opening                 | 112                | Other OR therapist         |
| 10                    | 0T938Z               | Drainage of Right Kidney Pelvis with Drainage Device, Endo   | 112                | Other OR therapist         |
| 10                    | 0T938Z               | Drainage of Right Kidney Pelvis, Endo                        | 112                | Other OR therapist         |
| 10                    | 0T940Z               | Drainage of Left Kidney Pelvis with Drain Dev, Open Approach | 112                | Other OR therapist         |
| 10                    | 0T940Z               | Drainage of Left Kidney Pelvis, Open Approach                | 112                | Other OR therapist         |
| 10                    | 0T944Z               | Drain of L Kidney Pelvis with Drain Dev, Perc Endo Approach  | 112                | Other OR therapist         |
| 10                    | 0T947Z               | Drainage of Left Kidney Pelvis with Drain Dev, Via Opening   | 112                | Other OR therapist         |
| 10                    | 0T947Z               | Drainage of Left Kidney Pelvis, Via Opening                  | 112                | Other OR therapist         |
| 10                    | 0T948Z               | Drainage of Left Kidney Pelvis with Drainage Device, Endo    | 112                | Other OR therapist         |
| 10                    | 0T948Z               | Drainage of Left Kidney Pelvis, Endo                         | 112                | Other OR therapist         |
| 10                    | 0T960Z               | Drainage of Right Ureter, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T964Z               | Drainage of Right Ureter, Percutaneous Endoscopic Approach   | 112                | Other OR therapist         |
| 10                    | 0T967Z               | Drainage of Right Ureter, Via Natural or Artificial Opening  | 112                | Other OR therapist         |
| 10                    | 0T968Z               | Drainage of Right Ureter, Endo                               | 112                | Other OR therapist         |
| 10                    | 0T970Z               | Drainage of Left Ureter, Open Approach                       | 112                | Other OR therapist         |
| 10                    | 0T974Z               | Drainage of Left Ureter, Percutaneous Endoscopic Approach    | 112                | Other OR therapist         |
| 10                    | 0T977Z               | Drainage of Left Ureter, Via Natural or Artificial Opening   | 112                | Other OR therapist         |
| 10                    | 0T978Z               | Drainage of Left Ureter, Endo                                | 112                | Other OR therapist         |
| 10                    | 0T980Z               | Drainage of Bilateral Ureters, Open Approach                 | 112                | Other OR therapist         |
| 10                    | 0T984Z               | Drainage of Bilateral Ureters, Perc Endo Approach            | 112                | Other OR therapist         |
| 10                    | 0T987Z               | Drainage of Bilateral Ureters, Via Opening                   | 112                | Other OR therapist         |
| 10                    | 0T988Z               | Drainage of Bilateral Ureters, Endo                          | 112                | Other OR therapist         |
| 10                    | 0T980Z               | Drainage of Bladder with Drainage Device, Open Approach      | 112                | Other OR therapist         |
| 10                    | 0T980Z               | Drainage of Bladder, Open Approach                           | 112                | Other OR therapist         |
| 10                    | 0T9C0Z               | Drainage of Bladder Neck with Drainage Device, Open Approach | 112                | Other OR therapist         |
| 10                    | 0T9C0Z               | Drainage of Bladder Neck, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T9D0Z               | Drainage of Urethra with Drainage Device, Open Approach      | 109                | Procedures on the          |
| 10                    | 0T9D0Z               | Drainage of Urethra, Open Approach                           | 109                | Procedures on the          |
| 10                    | 0T9D3Z               | Drainage of Urethra with Drainage Device, Perc Approach      | 109                | Procedures on the          |
| 10                    | 0T9D3Z               | Drainage of Urethra, Percutaneous Approach                   | 109                | Procedures on the          |
| 10                    | 0T9D4Z               | Drainage of Urethra with Drainage Device, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0T9D4Z               | Drainage of Urethra, Percutaneous Endoscopic Approach        | 109                | Procedures on the          |
| 10                    | 0T9D7Z               | Drainage of Urethra with Drainage Device, Via Opening        | 109                | Procedures on the          |
| 10                    | 0T9D7Z               | Drainage of Urethra, Via Natural or Artificial Opening       | 109                | Procedures on the          |
| 10                    | 0T9D8Z               | Drainage of Urethra with Drainage Device, Endo               | 109                | Procedures on the          |
| 10                    | 0T9D8Z               | Drainage of Urethra, Endo                                    | 109                | Procedures on the          |
| 10                    | 0T9DXZ               | Drainage of Urethra with Drainage Device, External Approach  | 109                | Procedures on the          |
| 10                    | 0T9DXZ               | Drainage of Urethra, External Approach                       | 109                | Procedures on the          |
| 10                    | 0T800Z               | Excision of Right Kidney, Open Approach                      | 104                | Nephrectomy; part          |
| 10                    | 0T803Z               | Excision of Right Kidney, Percutaneous Approach              | 104                | Nephrectomy; part          |
| 10                    | 0T804Z               | Excision of Right Kidney, Percutaneous Endoscopic Approach   | 104                | Nephrectomy; part          |
| 10                    | 0T807Z               | Excision of Right Kidney, Via Natural or Artificial Opening  | 104                | Nephrectomy; part          |
| 10                    | 0T808Z               | Excision of Right Kidney, Endo                               | 104                | Nephrectomy; part          |
| 10                    | 0T810Z               | Excision of Left Kidney, Open Approach                       | 104                | Nephrectomy; part          |
| 10                    | 0T813Z               | Excision of Left Kidney, Percutaneous Approach               | 104                | Nephrectomy; part          |
| 10                    | 0T814Z               | Excision of Left Kidney, Percutaneous Endoscopic Approach    | 104                | Nephrectomy; part          |
| 10                    | 0T817Z               | Excision of Left Kidney, Via Natural or Artificial Opening   | 104                | Nephrectomy; part          |
| 10                    | 0T818Z               | Excision of Left Kidney, Endo                                | 104                | Nephrectomy; part          |
| 10                    | 0T830Z               | Excision of Right Kidney Pelvis, Open Approach               | 104                | Nephrectomy; part          |
| 10                    | 0T833Z               | Excision of Right Kidney Pelvis, Percutaneous Approach       | 104                | Nephrectomy; part          |
| 10                    | 0T834Z               | Excision of Right Kidney Pelvis, Perc Endo Approach          | 104                | Nephrectomy; part          |
| 10                    | 0T837Z               | Excision of Right Kidney Pelvis, Via Opening                 | 104                | Nephrectomy; part          |
| 10                    | 0T838Z               | Excision of Right Kidney Pelvis, Endo                        | 104                | Nephrectomy; part          |
| 10                    | 0T840Z               | Excision of Left Kidney Pelvis, Open Approach                | 104                | Nephrectomy; part          |
| 10                    | 0T843Z               | Excision of Left Kidney Pelvis, Percutaneous Approach        | 104                | Nephrectomy; part          |
| 10                    | 0T844Z               | Excision of Left Kidney Pelvis, Perc Endo Approach           | 104                | Nephrectomy; part          |
| 10                    | 0T847Z               | Excision of Left Kidney Pelvis, Via Opening                  | 104                | Nephrectomy; part          |
| 10                    | 0T848Z               | Excision of Left Kidney Pelvis, Endo                         | 104                | Nephrectomy; part          |
| 10                    | 0T860Z               | Excision of Right Ureter, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T863Z               | Excision of Right Ureter, Percutaneous Approach              | 112                | Other OR therapist         |
| 10                    | 0T864Z               | Excision of Right Ureter, Percutaneous Endoscopic Approach   | 112                | Other OR therapist         |
| 10                    | 0T867Z               | Excision of Right Ureter, Via Natural or Artificial Opening  | 112                | Other OR therapist         |
| 10                    | 0T868Z               | Excision of Right Ureter, Endo                               | 112                | Other OR therapist         |
| 10                    | 0T870Z               | Excision of Left Ureter, Open Approach                       | 112                | Other OR therapist         |
| 10                    | 0T873Z               | Excision of Left Ureter, Percutaneous Approach               | 112                | Other OR therapist         |
| 10                    | 0T874Z               | Excision of Left Ureter, Percutaneous Endoscopic Approach    | 112                | Other OR therapist         |
| 10                    | 0T877Z               | Excision of Left Ureter, Via Natural or Artificial Opening   | 112                | Other OR therapist         |
| 10                    | 0T878Z               | Excision of Left Ureter, Endo                                | 112                | Other OR therapist         |
| 10                    | 0T880Z               | Excision of Bladder, Open Approach                           | 112                | Other OR therapist         |
| 10                    | 0T883Z               | Excision of Bladder, Percutaneous Approach                   | 112                | Other OR therapist         |
| 10                    | 0T8C0Z               | Excision of Bladder Neck, Open Approach                      | 112                | Other OR therapist         |
| 10                    | 0T8C3Z               | Excision of Bladder Neck, Percutaneous Approach              | 112                | Other OR therapist         |
| 10                    | 0T8D0Z               | Excision of Urethra, Open Approach                           | 109                | Procedures on the          |
| 10                    | 0T8D3Z               | Excision of Urethra, Percutaneous Approach                   | 109                | Procedures on the          |
| 10                    | 0T8D4Z               | Excision of Urethra, Percutaneous Endoscopic Approach        | 109                | Procedures on the          |
| 10                    | 0T8D7Z               | Excision of Urethra, Via Natural or Artificial Opening       | 109                | Procedures on the          |
| 10                    | 0T8D8Z               | Excision of Urethra, Endo                                    | 109                | Procedures on the          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0TB0XZZ              | Excision of Urethra, External Approach                      | 109                | Procedures on the         |
| 10                    | 0TC03ZZ              | Extirpation of Matter from Right Kidney, Perc Approach      | 103                | Nephrotomy and ne         |
| 10                    | 0TC04ZZ              | Extirpation of Matter from Right Kidney, Perc Endo Approa   | 103                | Nephrotomy and ne         |
| 10                    | 0TC13ZZ              | Extirpation of Matter from Left Kidney, Perc Approach       | 103                | Nephrotomy and ne         |
| 10                    | 0TC14ZZ              | Extirpation of Matter from Left Kidney, Perc Endo Approach  | 103                | Nephrotomy and ne         |
| 10                    | 0TC33ZZ              | Extirpation of Matter from R Kidney Pelvis, Perc Approach   | 103                | Nephrotomy and ne         |
| 10                    | 0TC34ZZ              | Extirpate of Matter from R Kidney Pelvis, Perc Endo Approa  | 103                | Nephrotomy and ne         |
| 10                    | 0TC43ZZ              | Extirpation of Matter from Left Kidney Pelvis, Perc Approa  | 103                | Nephrotomy and ne         |
| 10                    | 0TC44ZZ              | Extirpate of Matter from L Kidney Pelvis, Perc Endo Approa  | 103                | Nephrotomy and ne         |
| 10                    | 0TC60ZZ              | Extirpation of Matter from Right Ureter, Open Approach      | 112                | Other OR therapeu         |
| 10                    | 0TC63ZZ              | Extirpation of Matter from Right Ureter, Perc Approach      | 112                | Other OR therapeu         |
| 10                    | 0TC64ZZ              | Extirpation of Matter from Right Ureter, Perc Endo Approa   | 112                | Other OR therapeu         |
| 10                    | 0TC70ZZ              | Extirpation of Matter from Left Ureter, Open Approach       | 112                | Other OR therapeu         |
| 10                    | 0TC73ZZ              | Extirpation of Matter from Left Ureter, Perc Approach       | 112                | Other OR therapeu         |
| 10                    | 0TC74ZZ              | Extirpation of Matter from Left Ureter, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0TC80ZZ              | Extirpation of Matter from Bladder, Open Approach           | 112                | Other OR therapeu         |
| 10                    | 0TC83ZZ              | Extirpation of Matter from Bladder, Percutaneous Approach   | 112                | Other OR therapeu         |
| 10                    | 0TC84ZZ              | Extirpation of Matter from Bladder, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0TCC0ZZ              | Extirpation of Matter from Bladder Neck, Open Approach      | 112                | Other OR therapeu         |
| 10                    | 0TCC3ZZ              | Extirpation of Matter from Bladder Neck, Perc Approach      | 112                | Other OR therapeu         |
| 10                    | 0TCC4ZZ              | Extirpation of Matter from Bladder Neck, Perc Endo Approac  | 112                | Other OR therapeu         |
| 10                    | 0TCD0ZZ              | Extirpation of Matter from Urethra, Open Approach           | 109                | Procedures on the         |
| 10                    | 0TCD3ZZ              | Extirpation of Matter from Urethra, Percutaneous Approach   | 109                | Procedures on the         |
| 10                    | 0TCD4ZZ              | Extirpation of Matter from Urethra, Perc Endo Approach      | 109                | Procedures on the         |
| 10                    | 0TCD7ZZ              | Extirpation of Matter from Urethra, Via Opening             | 109                | Procedures on the         |
| 10                    | 0TCD8ZZ              | Extirpation of Matter from Urethra, Endo                    | 109                | Procedures on the         |
| 10                    | 0TCDXZZ              | Extirpation of Matter from Urethra, External Approach       | 109                | Procedures on the         |
| 10                    | 0TD00ZZ              | Extraction of Right Kidney, Open Approach                   | 112                | Other OR therapeu         |
| 10                    | 0TD03ZZ              | Extraction of Right Kidney, Percutaneous Approach           | 112                | Other OR therapeu         |
| 10                    | 0TD04ZZ              | Extraction of Right Kidney, Percutaneous Endoscopic Approa  | 112                | Other OR therapeu         |
| 10                    | 0TD10ZZ              | Extraction of Left Kidney, Open Approach                    | 112                | Other OR therapeu         |
| 10                    | 0TD13ZZ              | Extraction of Left Kidney, Percutaneous Approach            | 112                | Other OR therapeu         |
| 10                    | 0TD14ZZ              | Extraction of Left Kidney, Percutaneous Endoscopic Approa   | 112                | Other OR therapeu         |
| 10                    | 0TF30ZZ              | Fragmentation in Right Kidney Pelvis, Open Approach         | 107                | Extracorporeal li         |
| 10                    | 0TF33ZZ              | Fragmentation in Right Kidney Pelvis, Percutaneous Approach | 107                | Extracorporeal li         |
| 10                    | 0TF33ZZ              | Fragmentation in Right Kidney Pelvis, Percutaneous Approach | 107                | Extracorporeal li         |
| 10                    | 0TF34ZZ              | Fragmentation in Right Kidney Pelvis, Perc Endo Approach    | 107                | Extracorporeal li         |
| 10                    | 0TF34ZZ              | Fragmentation in Right Kidney Pelvis, Perc Endo Approach    | 107                | Extracorporeal li         |
| 10                    | 0TF37ZZ              | Fragmentation in Right Kidney Pelvis, Via Opening           | 107                | Extracorporeal li         |
| 10                    | 0TF38ZZ              | Fragmentation in Right Kidney Pelvis, Endo                  | 107                | Extracorporeal li         |
| 10                    | 0TF3XZZ              | Fragmentation in Right Kidney Pelvis, External Approach     | 107                | Extracorporeal li         |
| 10                    | 0TF40ZZ              | Fragmentation in Left Kidney Pelvis, Open Approach          | 107                | Extracorporeal li         |
| 10                    | 0TF43ZZ              | Fragmentation in Left Kidney Pelvis, Percutaneous Approach  | 107                | Extracorporeal li         |
| 10                    | 0TF43ZZ              | Fragmentation in Left Kidney Pelvis, Percutaneous Approach  | 107                | Extracorporeal li         |
| 10                    | 0TF44ZZ              | Fragmentation in Left Kidney Pelvis, Perc Endo Approach     | 107                | Extracorporeal li         |
| 10                    | 0TF44ZZ              | Fragmentation in Left Kidney Pelvis, Perc Endo Approach     | 107                | Extracorporeal li         |
| 10                    | 0TF47ZZ              | Fragmentation in Left Kidney Pelvis, Via Opening            | 107                | Extracorporeal li         |
| 10                    | 0TF48ZZ              | Fragmentation in Left Kidney Pelvis, Endo                   | 107                | Extracorporeal li         |
| 10                    | 0TF4XZZ              | Fragmentation in Left Kidney Pelvis, External Approach      | 107                | Extracorporeal li         |
| 10                    | 0TF60ZZ              | Fragmentation in Right Ureter, Open Approach                | 107                | Extracorporeal li         |
| 10                    | 0TF63ZZ              | Fragmentation in Right Ureter, Percutaneous Approach        | 107                | Extracorporeal li         |
| 10                    | 0TF64ZZ              | Fragmentation in Right Ureter, Perc Endo Approach           | 107                | Extracorporeal li         |
| 10                    | 0TF67ZZ              | Fragmentation in Right Ureter, Via Opening                  | 107                | Extracorporeal li         |
| 10                    | 0TF68ZZ              | Fragmentation in Right Ureter, Endo                         | 107                | Extracorporeal li         |
| 10                    | 0TF6XZZ              | Fragmentation in Right Ureter, External Approach            | 107                | Extracorporeal li         |
| 10                    | 0TF70ZZ              | Fragmentation in Left Ureter, Open Approach                 | 107                | Extracorporeal li         |
| 10                    | 0TF73ZZ              | Fragmentation in Left Ureter, Percutaneous Approach         | 107                | Extracorporeal li         |
| 10                    | 0TF74ZZ              | Fragmentation in Left Ureter, Perc Endo Approach            | 107                | Extracorporeal li         |
| 10                    | 0TF77ZZ              | Fragmentation in Left Ureter, Via Opening                   | 107                | Extracorporeal li         |
| 10                    | 0TF78ZZ              | Fragmentation in Left Ureter, Endo                          | 107                | Extracorporeal li         |
| 10                    | 0TF7XZZ              | Fragmentation in Left Ureter, External Approach             | 107                | Extracorporeal li         |
| 10                    | 0TF80ZZ              | Fragmentation in Bladder, Open Approach                     | 107                | Extracorporeal li         |
| 10                    | 0TF83ZZ              | Fragmentation in Bladder, Percutaneous Approach             | 107                | Extracorporeal li         |
| 10                    | 0TF84ZZ              | Fragmentation in Bladder, Percutaneous Endoscopic Approach  | 107                | Extracorporeal li         |
| 10                    | 0TF87ZZ              | Fragmentation in Bladder, Via Natural or Artificial Openin  | 107                | Extracorporeal li         |
| 10                    | 0TF88ZZ              | Fragmentation in Bladder, Endo                              | 107                | Extracorporeal li         |
| 10                    | 0TF8XZZ              | Fragmentation in Bladder, External Approach                 | 107                | Extracorporeal li         |
| 10                    | 0TFC0ZZ              | Fragmentation in Bladder Neck, Open Approach                | 107                | Extracorporeal li         |
| 10                    | 0TFC3ZZ              | Fragmentation in Bladder Neck, Percutaneous Approach        | 107                | Extracorporeal li         |
| 10                    | 0TFC4ZZ              | Fragmentation in Bladder Neck, Perc Endo Approach           | 107                | Extracorporeal li         |
| 10                    | 0TFC7ZZ              | Fragmentation in Bladder Neck, Via Opening                  | 107                | Extracorporeal li         |
| 10                    | 0TFC8ZZ              | Fragmentation in Bladder Neck, Endo                         | 107                | Extracorporeal li         |
| 10                    | 0TFCXZZ              | Fragmentation in Bladder Neck, External Approach            | 107                | Extracorporeal li         |
| 10                    | 0TFD0ZZ              | Fragmentation in Urethra, Open Approach                     | 107                | Extracorporeal li         |
| 10                    | 0TFD3ZZ              | Fragmentation in Urethra, Percutaneous Approach             | 107                | Extracorporeal li         |
| 10                    | 0TFD4ZZ              | Fragmentation in Urethra, Percutaneous Endoscopic Approach  | 107                | Extracorporeal li         |
| 10                    | 0TFD7ZZ              | Fragmentation in Urethra, Via Natural or Artificial Openin  | 107                | Extracorporeal li         |
| 10                    | 0TFD8ZZ              | Fragmentation in Urethra, Endo                              | 107                | Extracorporeal li         |
| 10                    | 0TFDXZZ              | Fragmentation in Urethra, External Approach                 | 107                | Extracorporeal li         |
| 10                    | 0TH90MZ              | Insertion of Stimulator Lead into Ureter, Open Approach     | 112                | Other OR therapeu         |
| 10                    | 0TH93MZ              | Insertion of Stimulator Lead into Ureter, Perc Approach     | 112                | Other OR therapeu         |
| 10                    | 0TH94MZ              | Insertion of Stimulator Lead into Ureter, Perc Endo Approa  | 112                | Other OR therapeu         |
| 10                    | 0TH97MZ              | Insertion of Stimulator Lead into Ureter, Via Opening       | 112                | Other OR therapeu         |
| 10                    | 0TH98MZ              | Insertion of Stimulator Lead into Ureter, Endo              | 112                | Other OR therapeu         |
| 10                    | 0THB0LZ              | Insertion of Artif Sphincter into Bladder, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0THB0MZ              | Insertion of Stimulator Lead into Bladder, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0THB3LZ              | Insertion of Artif Sphincter into Bladder, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0THB3MZ              | Insertion of Stimulator Lead into Bladder, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0THB4LZ              | Insert of Artif Sphincter into Bladder, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0THB4MZ              | Insertion of Stim Lead into Bladder, Perc Endo Approach     | 112                | Other OR therapeu         |
| 10                    | 0THB7LZ              | Insertion of Artificial Sphincter into Bladder, Via Openin  | 112                | Other OR therapeu         |
| 10                    | 0THB7MZ              | Insertion of Stimulator Lead into Bladder, Via Opening      | 112                | Other OR therapeu         |
| 10                    | 0THB8LZ              | Insertion of Artificial Sphincter into Bladder, Endo        | 112                | Other OR therapeu         |
| 10                    | 0THB8MZ              | Insertion of Stimulator Lead into Bladder, Endo             | 112                | Other OR therapeu         |
| 10                    | 0THC0LZ              | Insert of Artif Sphincter into Bladder Neck, Open Approach  | 112                | Other OR therapeu         |
| 10                    | 0THC3LZ              | Insert of Artif Sphincter into Bladder Neck, Perc Approach  | 112                | Other OR therapeu         |
| 10                    | 0THC4LZ              | Insert Artif Sphincter in Bladder Neck, Perc Endo           | 112                | Other OR therapeu         |
| 10                    | 0THC7LZ              | Insertion of Artif Sphincter into Bladder Neck, Via Openin  | 112                | Other OR therapeu         |
| 10                    | 0THC8LZ              | Insertion of Artificial Sphincter into Bladder Neck, Endo   | 112                | Other OR therapeu         |
| 10                    | 0THD03Z              | Insertion of Infusion Device into Urethra, Open Approach    | 109                | Procedures on the         |
| 10                    | 0THD0LZ              | Insertion of Artif Sphincter into Urethra, Open Approach    | 109                | Procedures on the         |
| 10                    | 0THD33Z              | Insertion of Infusion Device into Urethra, Perc Approach    | 109                | Procedures on the         |
| 10                    | 0THD3LZ              | Insertion of Artif Sphincter into Urethra, Perc Approach    | 109                | Procedures on the         |
| 10                    | 0THD43Z              | Insertion of Infusion Dev into Urethra, Perc Endo Approach  | 109                | Procedures on the         |
| 10                    | 0THD4LZ              | Insert of Artif Sphincter into Urethra, Perc Endo Approach  | 109                | Procedures on the         |
| 10                    | 0THD73Z              | Insertion of Infusion Device into Urethra, Via Opening      | 109                | Procedures on the         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0THD7LZ              | Insertion of Artificial Sphincter into Urethra, Via Openin | 109                | Procedures on the          |
| 10                    | 0THD83Z              | Insertion of Infusion Device into Urethra, Endo            | 109                | Procedures on the          |
| 10                    | 0THD8LZ              | Insertion of Artificial Sphincter into Urethra, Endo       | 109                | Procedures on the          |
| 10                    | 0THDX3Z              | Insertion of Infusion Device into Urethra, External Approa | 109                | Procedures on the          |
| 10                    | 0THDXLZ              | Insertion of Artif Sphincter into Urethra, Extern Approach | 109                | Procedures on the          |
| 10                    | 0TL30CZ              | Occlusion R Kidney Pelvis w Extralum Dev, Open             | 112                | Other OR therapeu          |
| 10                    | 0TL30DZ              | Occlusion R Kidney Pelvis w Intralum Dev, Open             | 112                | Other OR therapeu          |
| 10                    | 0TL30ZZ              | Occlusion of Right Kidney Pelvis, Open Approach            | 112                | Other OR therapeu          |
| 10                    | 0TL33CZ              | Occlusion R Kidney Pelvis w Extralum Dev, Perc             | 112                | Other OR therapeu          |
| 10                    | 0TL33DZ              | Occlusion R Kidney Pelvis w Intralum Dev, Perc             | 112                | Other OR therapeu          |
| 10                    | 0TL33ZZ              | Occlusion of Right Kidney Pelvis, Percutaneous Approach    | 112                | Other OR therapeu          |
| 10                    | 0TL34CZ              | Occlusion R Kidney Pelvis w Extralum Dev, Perc Endo        | 112                | Other OR therapeu          |
| 10                    | 0TL34DZ              | Occlusion R Kidney Pelvis w Intralum Dev, Perc Endo        | 112                | Other OR therapeu          |
| 10                    | 0TL34ZZ              | Occlusion of Right Kidney Pelvis, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TL37DZ              | Occlusion of R Kidney Pelvis with Intralum Dev, Via Openin | 112                | Other OR therapeu          |
| 10                    | 0TL37ZZ              | Occlusion of Right Kidney Pelvis, Via Opening              | 112                | Other OR therapeu          |
| 10                    | 0TL38DZ              | Occlusion of Right Kidney Pelvis with Intralum Dev, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TL38ZZ              | Occlusion of Right Kidney Pelvis, Endo                     | 112                | Other OR therapeu          |
| 10                    | 0TL40CZ              | Occlusion L Kidney Pelvis w Extralum Dev, Open             | 112                | Other OR therapeu          |
| 10                    | 0TL40DZ              | Occlusion L Kidney Pelvis w Intralum Dev, Open             | 112                | Other OR therapeu          |
| 10                    | 0TL40ZZ              | Occlusion of Left Kidney Pelvis, Open Approach             | 112                | Other OR therapeu          |
| 10                    | 0TL43CZ              | Occlusion L Kidney Pelvis w Extralum Dev, Perc             | 112                | Other OR therapeu          |
| 10                    | 0TL43DZ              | Occlusion L Kidney Pelvis w Intralum Dev, Perc             | 112                | Other OR therapeu          |
| 10                    | 0TL43ZZ              | Occlusion of Left Kidney Pelvis, Percutaneous Approach     | 112                | Other OR therapeu          |
| 10                    | 0TL44CZ              | Occlusion L Kidney Pelvis w Extralum Dev, Perc Endo        | 112                | Other OR therapeu          |
| 10                    | 0TL44DZ              | Occlusion L Kidney Pelvis w Intralum Dev, Perc Endo        | 112                | Other OR therapeu          |
| 10                    | 0TL44ZZ              | Occlusion of Left Kidney Pelvis, Perc Endo Approach        | 112                | Other OR therapeu          |
| 10                    | 0TL47DZ              | Occlusion of L Kidney Pelvis with Intralum Dev, Via Openin | 112                | Other OR therapeu          |
| 10                    | 0TL47ZZ              | Occlusion of Left Kidney Pelvis, Via Opening               | 112                | Other OR therapeu          |
| 10                    | 0TL48DZ              | Occlusion of Left Kidney Pelvis with Intralum Dev, Endo    | 112                | Other OR therapeu          |
| 10                    | 0TL48ZZ              | Occlusion of Left Kidney Pelvis, Endo                      | 112                | Other OR therapeu          |
| 10                    | 0TL60CZ              | Occlusion of Right Ureter with Extralum Dev, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TL60DZ              | Occlusion of Right Ureter with Intralum Dev, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TL60ZZ              | Occlusion of Right Ureter, Open Approach                   | 112                | Other OR therapeu          |
| 10                    | 0TL63CZ              | Occlusion of Right Ureter with Extralum Dev, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TL63DZ              | Occlusion of Right Ureter with Intralum Dev, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TL63ZZ              | Occlusion of Right Ureter, Percutaneous Approach           | 112                | Other OR therapeu          |
| 10                    | 0TL64CZ              | Occlusion of R Ureter with Extralum Dev, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TL64DZ              | Occlusion of R Ureter with Intralum Dev, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TL64ZZ              | Occlusion of Right Ureter, Percutaneous Endoscopic Approac | 112                | Other OR therapeu          |
| 10                    | 0TL67DZ              | Occlusion of Right Ureter with Intralum Dev, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TL67ZZ              | Occlusion of Right Ureter, Via Natural or Artificial Openi | 112                | Other OR therapeu          |
| 10                    | 0TL68DZ              | Occlusion of Right Ureter with Intraluminal Device, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TL68ZZ              | Occlusion of Right Ureter, Endo                            | 112                | Other OR therapeu          |
| 10                    | 0TL70CZ              | Occlusion of Left Ureter with Extralum Dev, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TL70DZ              | Occlusion of Left Ureter with Intralum Dev, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TL70ZZ              | Occlusion of Left Ureter, Open Approach                    | 112                | Other OR therapeu          |
| 10                    | 0TL73CZ              | Occlusion of Left Ureter with Extralum Dev, Perc Approach  | 112                | Other OR therapeu          |
| 10                    | 0TL73DZ              | Occlusion of Left Ureter with Intralum Dev, Perc Approach  | 112                | Other OR therapeu          |
| 10                    | 0TL73ZZ              | Occlusion of Left Ureter, Percutaneous Approach            | 112                | Other OR therapeu          |
| 10                    | 0TL74CZ              | Occlusion of L Ureter with Extralum Dev, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TL74DZ              | Occlusion of L Ureter with Intralum Dev, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TL74ZZ              | Occlusion of Left Ureter, Percutaneous Endoscopic Approach | 112                | Other OR therapeu          |
| 10                    | 0TL77DZ              | Occlusion of Left Ureter with Intralum Dev, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TL77ZZ              | Occlusion of Left Ureter, Via Natural or Artificial Openin | 112                | Other OR therapeu          |
| 10                    | 0TL78DZ              | Occlusion of Left Ureter with Intraluminal Device, Endo    | 112                | Other OR therapeu          |
| 10                    | 0TL78ZZ              | Occlusion of Left Ureter, Endo                             | 112                | Other OR therapeu          |
| 10                    | 0TL80CZ              | Occlusion of Bladder with Extraluminal Device, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TL80DZ              | Occlusion of Bladder with Intraluminal Device, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TL80ZZ              | Occlusion of Bladder, Open Approach                        | 112                | Other OR therapeu          |
| 10                    | 0TL83CZ              | Occlusion of Bladder with Extraluminal Device, Perc Approa | 112                | Other OR therapeu          |
| 10                    | 0TL83DZ              | Occlusion of Bladder with Intraluminal Device, Perc Approa | 112                | Other OR therapeu          |
| 10                    | 0TL83ZZ              | Occlusion of Bladder, Percutaneous Approach                | 112                | Other OR therapeu          |
| 10                    | 0TL84CZ              | Occlusion of Bladder with Extralum Dev, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TL84DZ              | Occlusion of Bladder with Intralum Dev, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TL84ZZ              | Occlusion of Bladder, Percutaneous Endoscopic Approach     | 112                | Other OR therapeu          |
| 10                    | 0TL87DZ              | Occlusion of Bladder with Intraluminal Device, Via Opening | 112                | Other OR therapeu          |
| 10                    | 0TL87ZZ              | Occlusion of Bladder, Via Natural or Artificial Opening    | 112                | Other OR therapeu          |
| 10                    | 0TL88DZ              | Occlusion of Bladder with Intraluminal Device, Endo        | 112                | Other OR therapeu          |
| 10                    | 0TL88ZZ              | Occlusion of Bladder, Endo                                 | 112                | Other OR therapeu          |
| 10                    | 0TLC0CZ              | Occlusion of Bladder Neck with Extralum Dev, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TLC0DZ              | Occlusion of Bladder Neck with Intralum Dev, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TLC0ZZ              | Occlusion of Bladder Neck, Open Approach                   | 112                | Other OR therapeu          |
| 10                    | 0TLC3CZ              | Occlusion of Bladder Neck with Extralum Dev, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TLC3DZ              | Occlusion of Bladder Neck with Intralum Dev, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TLC3ZZ              | Occlusion of Bladder Neck, Percutaneous Approach           | 112                | Other OR therapeu          |
| 10                    | 0TLC4CZ              | Occlusion Bladder Neck w Extralum Dev, Perc Endo           | 112                | Other OR therapeu          |
| 10                    | 0TLC4DZ              | Occlusion Bladder Neck w Intralum Dev, Perc Endo           | 112                | Other OR therapeu          |
| 10                    | 0TLC4ZZ              | Occlusion of Bladder Neck, Percutaneous Endoscopic Approac | 112                | Other OR therapeu          |
| 10                    | 0TLC7DZ              | Occlusion of Bladder Neck with Intralum Dev, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TLC7ZZ              | Occlusion of Bladder Neck, Via Natural or Artificial Openi | 112                | Other OR therapeu          |
| 10                    | 0TLC8DZ              | Occlusion of Bladder Neck with Intraluminal Device, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TLC8ZZ              | Occlusion of Bladder Neck, Endo                            | 112                | Other OR therapeu          |
| 10                    | 0TLD0CZ              | Occlusion of Urethra with Extraluminal Device, Open Approa | 109                | Procedures on the          |
| 10                    | 0TLD0DZ              | Occlusion of Urethra with Intraluminal Device, Open Approa | 109                | Procedures on the          |
| 10                    | 0TLD0ZZ              | Occlusion of Urethra, Open Approach                        | 109                | Procedures on the          |
| 10                    | 0TLD3CZ              | Occlusion of Urethra with Extraluminal Device, Perc Approa | 109                | Procedures on the          |
| 10                    | 0TLD3DZ              | Occlusion of Urethra with Intraluminal Device, Perc Approa | 109                | Procedures on the          |
| 10                    | 0TLD3ZZ              | Occlusion of Urethra, Percutaneous Approach                | 109                | Procedures on the          |
| 10                    | 0TLD4CZ              | Occlusion of Urethra with Extralum Dev, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TLD4DZ              | Occlusion of Urethra with Intralum Dev, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TLD4ZZ              | Occlusion of Urethra, Percutaneous Endoscopic Approach     | 109                | Procedures on the          |
| 10                    | 0TLD7DZ              | Occlusion of Urethra with Intraluminal Device, Via Opening | 109                | Procedures on the          |
| 10                    | 0TLD7ZZ              | Occlusion of Urethra, Via Natural or Artificial Opening    | 109                | Procedures on the          |
| 10                    | 0TLD8DZ              | Occlusion of Urethra with Intraluminal Device, Endo        | 109                | Procedures on the          |
| 10                    | 0TLD8ZZ              | Occlusion of Urethra, Endo                                 | 109                | Procedures on the          |
| 10                    | 0TLDXCZ              | Occlusion of Urethra with Extralum Dev, Extern Approach    | 109                | Procedures on the          |
| 10                    | 0TLDXDZ              | Occlusion of Urethra with Intralum Dev, Extern Approach    | 109                | Procedures on the          |
| 10                    | 0TLDXZZ              | Occlusion of Urethra, External Approach                    | 109                | Procedures on the          |
| 10                    | 0TM00ZZ              | Reattachment of Right Kidney, Open Approach                | 112                | Other OR therapeu          |
| 10                    | 0TM04ZZ              | Reattachment of Right Kidney, Perc Endo Approach           | 112                | Other OR therapeu          |
| 10                    | 0TM10ZZ              | Reattachment of Left Kidney, Open Approach                 | 112                | Other OR therapeu          |
| 10                    | 0TM14ZZ              | Reattachment of Left Kidney, Perc Endo Approach            | 112                | Other OR therapeu          |
| 10                    | 0TM20ZZ              | Reattachment of Bilateral Kidneys, Open Approach           | 112                | Other OR therapeu          |
| 10                    | 0TM24ZZ              | Reattachment of Bilateral Kidneys, Perc Endo Approach      | 112                | Other OR therapeu          |
| 10                    | 0TM30ZZ              | Reattachment of Right Kidney Pelvis, Open Approach         | 112                | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | OTM34ZZ              | Reattachment of Right Kidney Pelvis, Perc Endo Approach      | 112                | Other OR therapeutic      |
| 10                    | OTM40ZZ              | Reattachment of Left Kidney Pelvis, Open Approach            | 112                | Other OR therapeutic      |
| 10                    | OTM44ZZ              | Reattachment of Left Kidney Pelvis, Perc Endo Approach       | 112                | Other OR therapeutic      |
| 10                    | OTM60ZZ              | Reattachment of Right Ureter, Open Approach                  | 112                | Other OR therapeutic      |
| 10                    | OTM64ZZ              | Reattachment of Right Ureter, Perc Endo Approach             | 112                | Other OR therapeutic      |
| 10                    | OTM70ZZ              | Reattachment of Left Ureter, Open Approach                   | 112                | Other OR therapeutic      |
| 10                    | OTM74ZZ              | Reattachment of Left Ureter, Perc Endo Approach              | 112                | Other OR therapeutic      |
| 10                    | OTM80ZZ              | Reattachment of Bilateral Ureters, Open Approach             | 112                | Other OR therapeutic      |
| 10                    | OTM84ZZ              | Reattachment of Bilateral Ureters, Perc Endo Approach        | 112                | Other OR therapeutic      |
| 10                    | OTMB0ZZ              | Reattachment of Bladder, Open Approach                       | 112                | Other OR therapeutic      |
| 10                    | OTMB4ZZ              | Reattachment of Bladder, Percutaneous Endoscopic Approach    | 112                | Other OR therapeutic      |
| 10                    | OTMC0ZZ              | Reattachment of Bladder Neck, Open Approach                  | 112                | Other OR therapeutic      |
| 10                    | OTMC4ZZ              | Reattachment of Bladder Neck, Perc Endo Approach             | 112                | Other OR therapeutic      |
| 10                    | OTMD0ZZ              | Reattachment of Urethra, Open Approach                       | 109                | Procedures on the         |
| 10                    | OTMD4ZZ              | Reattachment of Urethra, Percutaneous Endoscopic Approach    | 109                | Procedures on the         |
| 10                    | OTNB0ZZ              | Release Bladder, Open Approach                               | 112                | Other OR therapeutic      |
| 10                    | OTNB3ZZ              | Release Bladder, Percutaneous Approach                       | 112                | Other OR therapeutic      |
| 10                    | OTNB4ZZ              | Release Bladder, Percutaneous Endoscopic Approach            | 112                | Other OR therapeutic      |
| 10                    | OTNC0ZZ              | Release Bladder Neck, Open Approach                          | 112                | Other OR therapeutic      |
| 10                    | OTNC3ZZ              | Release Bladder Neck, Percutaneous Approach                  | 112                | Other OR therapeutic      |
| 10                    | OTNC4ZZ              | Release Bladder Neck, Percutaneous Endoscopic Approach       | 112                | Other OR therapeutic      |
| 10                    | OTND0ZZ              | Release Urethra, Open Approach                               | 109                | Procedures on the         |
| 10                    | OTND3ZZ              | Release Urethra, Percutaneous Approach                       | 109                | Procedures on the         |
| 10                    | OTND4ZZ              | Release Urethra, Percutaneous Endoscopic Approach            | 109                | Procedures on the         |
| 10                    | OTND7ZZ              | Release Urethra, Via Natural or Artificial Opening           | 109                | Procedures on the         |
| 10                    | OTND8ZZ              | Release Urethra, Endo  | 109                | Procedures on the         |
| 10                    | OTNDXZZ              | Release Urethra, External Approach                           | 109                | Procedures on the         |
| 10                    | OTPS00Z              | Removal of Drainage Device from Kidney, Open Approach        | 112                | Other OR therapeutic      |
| 10                    | OTPS02Z              | Removal of Monitoring Device from Kidney, Open Approach      | 112                | Other OR therapeutic      |
| 10                    | OTPS03Z              | Removal of Infusion Device from Kidney, Open Approach        | 112                | Other OR therapeutic      |
| 10                    | OTPS07Z              | Removal of Autol Sub from Kidney, Open Approach              | 112                | Other OR therapeutic      |
| 10                    | OTPS0CZ              | Removal of Extraluminal Device from Kidney, Open Approach    | 112                | Other OR therapeutic      |
| 10                    | OTPS0DZ              | Removal of Intraluminal Device from Kidney, Open Approach    | 112                | Other OR therapeutic      |
| 10                    | OTPS0JZ              | Removal of Synthetic Substitute from Kidney, Open Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPS0KZ              | Removal of Nonaut Sub from Kidney, Open Approach             | 112                | Other OR therapeutic      |
| 10                    | OTPS30Z              | Removal of Drainage Device from Kidney, Perc Approach        | 112                | Other OR therapeutic      |
| 10                    | OTPS32Z              | Removal of Monitoring Device from Kidney, Perc Approach      | 112                | Other OR therapeutic      |
| 10                    | OTPS33Z              | Removal of Infusion Device from Kidney, Perc Approach        | 112                | Other OR therapeutic      |
| 10                    | OTPS37Z              | Removal of Autol Sub from Kidney, Perc Approach              | 112                | Other OR therapeutic      |
| 10                    | OTPS3CZ              | Removal of Extraluminal Device from Kidney, Perc Approach    | 112                | Other OR therapeutic      |
| 10                    | OTPS3DZ              | Removal of Intraluminal Device from Kidney, Perc Approach    | 112                | Other OR therapeutic      |
| 10                    | OTPS3JZ              | Removal of Synthetic Substitute from Kidney, Perc Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPS3KZ              | Removal of Nonaut Sub from Kidney, Perc Approach             | 112                | Other OR therapeutic      |
| 10                    | OTPS40Z              | Removal of Drainage Device from Kidney, Perc Endo Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPS42Z              | Removal of Monitoring Device from Kidney, Perc Endo Approach | 112                | Other OR therapeutic      |
| 10                    | OTPS43Z              | Removal of Infusion Device from Kidney, Perc Endo Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPS47Z              | Removal of Autol Sub from Kidney, Perc Endo Approach         | 112                | Other OR therapeutic      |
| 10                    | OTPS4CZ              | Removal of Extralum Dev from Kidney, Perc Endo Approach      | 112                | Other OR therapeutic      |
| 10                    | OTPS4DZ              | Removal of Intralum Dev from Kidney, Perc Endo Approach      | 112                | Other OR therapeutic      |
| 10                    | OTPS4JZ              | Removal of Synth Sub from Kidney, Perc Endo Approach         | 112                | Other OR therapeutic      |
| 10                    | OTPS4KZ              | Removal of Nonaut Sub from Kidney, Perc Endo Approach        | 112                | Other OR therapeutic      |
| 10                    | OTPS77Z              | Removal of Autol Sub from Kidney, Via Opening                | 112                | Other OR therapeutic      |
| 10                    | OTPS7CZ              | Removal of Extraluminal Device from Kidney, Via Opening      | 112                | Other OR therapeutic      |
| 10                    | OTPS7JZ              | Removal of Synthetic Substitute from Kidney, Via Opening     | 112                | Other OR therapeutic      |
| 10                    | OTPS7KZ              | Removal of Nonaut Sub from Kidney, Via Opening               | 112                | Other OR therapeutic      |
| 10                    | OTPS87Z              | Removal of Autologous Tissue Substitute from Kidney, Endo    | 112                | Other OR therapeutic      |
| 10                    | OTPS8CZ              | Removal of Extraluminal Device from Kidney, Endo             | 112                | Other OR therapeutic      |
| 10                    | OTPS8JZ              | Removal of Synthetic Substitute from Kidney, Endo            | 112                | Other OR therapeutic      |
| 10                    | OTPS8KZ              | Removal of Nonautologous Tissue Substitute from Kidney, En   | 112                | Other OR therapeutic      |
| 10                    | OTP900Z              | Removal of Drainage Device from Ureter, Open Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP902Z              | Removal of Monitoring Device from Ureter, Open Approach      | 112                | Other OR therapeutic      |
| 10                    | OTP903Z              | Removal of Infusion Device from Ureter, Open Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP907Z              | Removal of Autol Sub from Ureter, Open Approach              | 112                | Other OR therapeutic      |
| 10                    | OTP90CZ              | Removal of Extraluminal Device from Ureter, Open Approach    | 112                | Other OR therapeutic      |
| 10                    | OTP90DZ              | Removal of Intraluminal Device from Ureter, Open Approach    | 112                | Other OR therapeutic      |
| 10                    | OTP90JZ              | Removal of Synthetic Substitute from Ureter, Open Approach   | 112                | Other OR therapeutic      |
| 10                    | OTP90KZ              | Removal of Nonaut Sub from Ureter, Open Approach             | 112                | Other OR therapeutic      |
| 10                    | OTP90MZ              | Removal of Stimulator Lead from Ureter, Open Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP930Z              | Removal of Drainage Device from Ureter, Perc Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP932Z              | Removal of Monitoring Device from Ureter, Perc Approach      | 112                | Other OR therapeutic      |
| 10                    | OTP933Z              | Removal of Infusion Device from Ureter, Perc Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP937Z              | Removal of Autol Sub from Ureter, Perc Approach              | 112                | Other OR therapeutic      |
| 10                    | OTP93CZ              | Removal of Extraluminal Device from Ureter, Perc Approach    | 112                | Other OR therapeutic      |
| 10                    | OTP93DZ              | Removal of Intraluminal Device from Ureter, Perc Approach    | 112                | Other OR therapeutic      |
| 10                    | OTP93JZ              | Removal of Synthetic Substitute from Ureter, Perc Approach   | 112                | Other OR therapeutic      |
| 10                    | OTP93KZ              | Removal of Nonaut Sub from Ureter, Perc Approach             | 112                | Other OR therapeutic      |
| 10                    | OTP93MZ              | Removal of Stimulator Lead from Ureter, Perc Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP940Z              | Removal of Drainage Device from Ureter, Perc Endo Approach   | 112                | Other OR therapeutic      |
| 10                    | OTP942Z              | Removal of Monitoring Device from Ureter, Perc Endo Approach | 112                | Other OR therapeutic      |
| 10                    | OTP943Z              | Removal of Infusion Device from Ureter, Perc Endo Approach   | 112                | Other OR therapeutic      |
| 10                    | OTP947Z              | Removal of Autol Sub from Ureter, Perc Endo Approach         | 112                | Other OR therapeutic      |
| 10                    | OTP94CZ              | Removal of Extralum Dev from Ureter, Perc Endo Approach      | 112                | Other OR therapeutic      |
| 10                    | OTP94DZ              | Removal of Intralum Dev from Ureter, Perc Endo Approach      | 112                | Other OR therapeutic      |
| 10                    | OTP94JZ              | Removal of Synth Sub from Ureter, Perc Endo Approach         | 112                | Other OR therapeutic      |
| 10                    | OTP94KZ              | Removal of Nonaut Sub from Ureter, Perc Endo Approach        | 112                | Other OR therapeutic      |
| 10                    | OTP94MZ              | Removal of Stimulator Lead from Ureter, Perc Endo Approach   | 112                | Other OR therapeutic      |
| 10                    | OTP977Z              | Removal of Autol Sub from Ureter, Via Opening                | 112                | Other OR therapeutic      |
| 10                    | OTP97CZ              | Removal of Extraluminal Device from Ureter, Via Opening      | 112                | Other OR therapeutic      |
| 10                    | OTP97JZ              | Removal of Synthetic Substitute from Ureter, Via Opening     | 112                | Other OR therapeutic      |
| 10                    | OTP97KZ              | Removal of Nonaut Sub from Ureter, Via Opening               | 112                | Other OR therapeutic      |
| 10                    | OTP97MZ              | Removal of Stimulator Lead from Ureter, Via Opening          | 112                | Other OR therapeutic      |
| 10                    | OTP987Z              | Removal of Autologous Tissue Substitute from Ureter, Endo    | 112                | Other OR therapeutic      |
| 10                    | OTP98CZ              | Removal of Extraluminal Device from Ureter, Endo             | 112                | Other OR therapeutic      |
| 10                    | OTP98JZ              | Removal of Synthetic Substitute from Ureter, Endo            | 112                | Other OR therapeutic      |
| 10                    | OTP98KZ              | Removal of Nonautologous Tissue Substitute from Ureter, En   | 112                | Other OR therapeutic      |
| 10                    | OTP98MZ              | Removal of Stimulator Lead from Ureter, Endo                 | 112                | Other OR therapeutic      |
| 10                    | OTP9XMZ              | Removal of Stimulator Lead from Ureter, External Approach    | 112                | Other OR therapeutic      |
| 10                    | OTPB00Z              | Removal of Drainage Device from Bladder, Open Approach       | 112                | Other OR therapeutic      |
| 10                    | OTPB02Z              | Removal of Monitoring Device from Bladder, Open Approach     | 112                | Other OR therapeutic      |
| 10                    | OTPB03Z              | Removal of Infusion Device from Bladder, Open Approach       | 112                | Other OR therapeutic      |
| 10                    | OTPB07Z              | Removal of Autol Sub from Bladder, Open Approach             | 112                | Other OR therapeutic      |
| 10                    | OTPB0CZ              | Removal of Extraluminal Device from Bladder, Open Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPB0DZ              | Removal of Intraluminal Device from Bladder, Open Approach   | 112                | Other OR therapeutic      |
| 10                    | OTPB0JZ              | Removal of Synthetic Substitute from Bladder, Open Approach  | 112                | Other OR therapeutic      |
| 10                    | OTPB0KZ              | Removal of Nonaut Sub from Bladder, Open Approach            | 112                | Other OR therapeutic      |
| 10                    | OTPB0LZ              | Removal of Artificial Sphincter from Bladder, Open Approach  | 112                | Other OR therapeutic      |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0TPB0MZ              | Removal of Stimulator Lead from Bladder, Open Approach         | 112                | Other OR therapeu          |
| 10                    | 0TPB30Z              | Removal of Drainage Device from Bladder, Perc Approach         | 112                | Other OR therapeu          |
| 10                    | 0TPB32Z              | Removal of Monitoring Device from Bladder, Perc Approach       | 112                | Other OR therapeu          |
| 10                    | 0TPB33Z              | Removal of Infusion Device from Bladder, Perc Approach         | 112                | Other OR therapeu          |
| 10                    | 0TPB37Z              | Removal of Autol Sub from Bladder, Perc Approach               | 112                | Other OR therapeu          |
| 10                    | 0TPB3CZ              | Removal of Extraluminal Device from Bladder, Perc Approach     | 112                | Other OR therapeu          |
| 10                    | 0TPB3DZ              | Removal of Intraluminal Device from Bladder, Perc Approach     | 112                | Other OR therapeu          |
| 10                    | 0TPB3JZ              | Removal of Synthetic Substitute from Bladder, Perc Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB3KZ              | Removal of Nonaut Sub from Bladder, Perc Approach              | 112                | Other OR therapeu          |
| 10                    | 0TPB3LZ              | Removal of Artificial Sphincter from Bladder, Perc Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB3MZ              | Removal of Stimulator Lead from Bladder, Perc Approach         | 112                | Other OR therapeu          |
| 10                    | 0TPB40Z              | Removal of Drainage Device from Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB42Z              | Removal of Monitor Dev from Bladder, Perc Endo Approach        | 112                | Other OR therapeu          |
| 10                    | 0TPB43Z              | Removal of Infusion Device from Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB47Z              | Removal of Autol Sub from Bladder, Perc Endo Approach          | 112                | Other OR therapeu          |
| 10                    | 0TPB4CZ              | Removal of Extralum Dev from Bladder, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TPB4DZ              | Removal of Intralum Dev from Bladder, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TPB4JZ              | Removal of Synth Sub from Bladder, Perc Endo Approach          | 112                | Other OR therapeu          |
| 10                    | 0TPB4KZ              | Removal of Nonaut Sub from Bladder, Perc Endo Approach         | 112                | Other OR therapeu          |
| 10                    | 0TPB4LZ              | Removal of Artif Sphincter from Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB4MZ              | Removal of Stimulator Lead from Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TPB77Z              | Removal of Autol Sub from Bladder, Via Opening                 | 112                | Other OR therapeu          |
| 10                    | 0TPB7CZ              | Removal of Extraluminal Device from Bladder, Via Opening       | 112                | Other OR therapeu          |
| 10                    | 0TPB7JZ              | Removal of Synthetic Substitute from Bladder, Via Opening      | 112                | Other OR therapeu          |
| 10                    | 0TPB7KZ              | Removal of Nonaut Sub from Bladder, Via Opening                | 112                | Other OR therapeu          |
| 10                    | 0TPB7LZ              | Removal of Artificial Sphincter from Bladder, Via Opening      | 112                | Other OR therapeu          |
| 10                    | 0TPB7MZ              | Removal of Stimulator Lead from Bladder, Via Opening           | 112                | Other OR therapeu          |
| 10                    | 0TPB87Z              | Removal of Autologous Tissue Substitute from Bladder, Endo     | 112                | Other OR therapeu          |
| 10                    | 0TPB8CZ              | Removal of Extraluminal Device from Bladder, Endo              | 112                | Other OR therapeu          |
| 10                    | 0TPB8JZ              | Removal of Synthetic Substitute from Bladder, Endo             | 112                | Other OR therapeu          |
| 10                    | 0TPB8KZ              | Removal of Nonaut Sub from Bladder, Endo                       | 112                | Other OR therapeu          |
| 10                    | 0TPB8LZ              | Removal of Artificial Sphincter from Bladder, Endo             | 112                | Other OR therapeu          |
| 10                    | 0TPB8MZ              | Removal of Stimulator Lead from Bladder, Endo                  | 112                | Other OR therapeu          |
| 10                    | 0TPBXMZ              | Removal of Stimulator Lead from Bladder, External Approach     | 112                | Other OR therapeu          |
| 10                    | 0TPD00Z              | Removal of Drainage Device from Urethra, Open Approach         | 109                | Procedures on the          |
| 10                    | 0TPD02Z              | Removal of Monitoring Device from Urethra, Open Approach       | 109                | Procedures on the          |
| 10                    | 0TPD03Z              | Removal of Infusion Device from Urethra, Open Approach         | 109                | Procedures on the          |
| 10                    | 0TPD07Z              | Removal of Autol Sub from Urethra, Open Approach               | 109                | Procedures on the          |
| 10                    | 0TPD0CZ              | Removal of Extraluminal Device from Urethra, Open Approach     | 109                | Procedures on the          |
| 10                    | 0TPD0DZ              | Removal of Intraluminal Device from Urethra, Open Approach     | 109                | Procedures on the          |
| 10                    | 0TPD0JZ              | Removal of Synthetic Substitute from Urethra, Open Approach    | 109                | Procedures on the          |
| 10                    | 0TPD0KZ              | Removal of Nonaut Sub from Urethra, Open Approach              | 109                | Procedures on the          |
| 10                    | 0TPD0LZ              | Removal of Artificial Sphincter from Urethra, Open Approach    | 109                | Procedures on the          |
| 10                    | 0TPD30Z              | Removal of Drainage Device from Urethra, Perc Approach         | 109                | Procedures on the          |
| 10                    | 0TPD32Z              | Removal of Monitoring Device from Urethra, Perc Approach       | 109                | Procedures on the          |
| 10                    | 0TPD33Z              | Removal of Infusion Device from Urethra, Perc Approach         | 109                | Procedures on the          |
| 10                    | 0TPD37Z              | Removal of Autol Sub from Urethra, Perc Approach               | 109                | Procedures on the          |
| 10                    | 0TPD3CZ              | Removal of Extraluminal Device from Urethra, Perc Approach     | 109                | Procedures on the          |
| 10                    | 0TPD3DZ              | Removal of Intraluminal Device from Urethra, Perc Approach     | 109                | Procedures on the          |
| 10                    | 0TPD3JZ              | Removal of Synthetic Substitute from Urethra, Perc Approach    | 109                | Procedures on the          |
| 10                    | 0TPD3KZ              | Removal of Nonaut Sub from Urethra, Perc Approach              | 109                | Procedures on the          |
| 10                    | 0TPD3LZ              | Removal of Artificial Sphincter from Urethra, Perc Approach    | 109                | Procedures on the          |
| 10                    | 0TPD40Z              | Removal of Drainage Device from Urethra, Perc Endo Approach    | 109                | Procedures on the          |
| 10                    | 0TPD42Z              | Removal of Monitor Dev from Urethra, Perc Endo Approach        | 109                | Procedures on the          |
| 10                    | 0TPD43Z              | Removal of Infusion Device from Urethra, Perc Endo Approach    | 109                | Procedures on the          |
| 10                    | 0TPD47Z              | Removal of Autol Sub from Urethra, Perc Endo Approach          | 109                | Procedures on the          |
| 10                    | 0TPD4CZ              | Removal of Extralum Dev from Urethra, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TPD4DZ              | Removal of Intralum Dev from Urethra, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TPD4JZ              | Removal of Synth Sub from Urethra, Perc Endo Approach          | 109                | Procedures on the          |
| 10                    | 0TPD4KZ              | Removal of Nonaut Sub from Urethra, Perc Endo Approach         | 109                | Procedures on the          |
| 10                    | 0TPD4LZ              | Removal of Artif Sphincter from Urethra, Perc Endo Approach    | 109                | Procedures on the          |
| 10                    | 0TPD70Z              | Removal of Drainage Device from Urethra, Via Opening           | 109                | Procedures on the          |
| 10                    | 0TPD72Z              | Removal of Monitoring Device from Urethra, Via Opening         | 109                | Procedures on the          |
| 10                    | 0TPD73Z              | Removal of Infusion Device from Urethra, Via Opening           | 109                | Procedures on the          |
| 10                    | 0TPD77Z              | Removal of Autol Sub from Urethra, Via Opening                 | 109                | Procedures on the          |
| 10                    | 0TPD7CZ              | Removal of Extraluminal Device from Urethra, Via Opening       | 109                | Procedures on the          |
| 10                    | 0TPD7DZ              | Removal of Intraluminal Device from Urethra, Via Opening       | 109                | Procedures on the          |
| 10                    | 0TPD7JZ              | Removal of Synthetic Substitute from Urethra, Via Opening      | 109                | Procedures on the          |
| 10                    | 0TPD7KZ              | Removal of Nonaut Sub from Urethra, Via Opening                | 109                | Procedures on the          |
| 10                    | 0TPD7LZ              | Removal of Artificial Sphincter from Urethra, Via Opening      | 109                | Procedures on the          |
| 10                    | 0TPD80Z              | Removal of Drainage Device from Urethra, Endo                  | 109                | Procedures on the          |
| 10                    | 0TPD82Z              | Removal of Monitoring Device from Urethra, Endo                | 109                | Procedures on the          |
| 10                    | 0TPD83Z              | Removal of Infusion Device from Urethra, Endo                  | 109                | Procedures on the          |
| 10                    | 0TPD87Z              | Removal of Autologous Tissue Substitute from Urethra, Endo     | 109                | Procedures on the          |
| 10                    | 0TPD8CZ              | Removal of Extraluminal Device from Urethra, Endo              | 109                | Procedures on the          |
| 10                    | 0TPD8DZ              | Removal of Intraluminal Device from Urethra, Endo              | 109                | Procedures on the          |
| 10                    | 0TPD8JZ              | Removal of Synthetic Substitute from Urethra, Endo             | 109                | Procedures on the          |
| 10                    | 0TPD8KZ              | Removal of Nonaut Sub from Urethra, Endo                       | 109                | Procedures on the          |
| 10                    | 0TPD8LZ              | Removal of Artificial Sphincter from Urethra, Endo             | 109                | Procedures on the          |
| 10                    | 0TPDX0Z              | Removal of Drainage Device from Urethra, External Approach     | 109                | Procedures on the          |
| 10                    | 0TPDX2Z              | Removal of Monitoring Device from Urethra, External Approach   | 109                | Procedures on the          |
| 10                    | 0TPDX3Z              | Removal of Infusion Device from Urethra, External Approach     | 109                | Procedures on the          |
| 10                    | 0TPDXDZ              | Removal of Intraluminal Device from Urethra, External Approach | 109                | Procedures on the          |
| 10                    | 0TPDXLZ              | Removal of Artif Sphincter from Urethra, External Approach     | 109                | Procedures on the          |
| 10                    | 0TQ00Z               | Repair Right Kidney, Open Approach                             | 112                | Other OR therapeu          |
| 10                    | 0TQ03Z               | Repair Right Kidney, Percutaneous Approach                     | 112                | Other OR therapeu          |
| 10                    | 0TQ04Z               | Repair Right Kidney, Percutaneous Endoscopic Approach          | 112                | Other OR therapeu          |
| 10                    | 0TQ07Z               | Repair Right Kidney, Via Natural or Artificial Opening         | 112                | Other OR therapeu          |
| 10                    | 0TQ08Z               | Repair Right Kidney, Endo                                      | 112                | Other OR therapeu          |
| 10                    | 0TQ10Z               | Repair Left Kidney, Open Approach                              | 112                | Other OR therapeu          |
| 10                    | 0TQ13Z               | Repair Left Kidney, Percutaneous Approach                      | 112                | Other OR therapeu          |
| 10                    | 0TQ14Z               | Repair Left Kidney, Percutaneous Endoscopic Approach           | 112                | Other OR therapeu          |
| 10                    | 0TQ17Z               | Repair Left Kidney, Via Natural or Artificial Opening          | 112                | Other OR therapeu          |
| 10                    | 0TQ18Z               | Repair Left Kidney, Endo                                       | 112                | Other OR therapeu          |
| 10                    | 0TQ30Z               | Repair Right Kidney Pelvis, Open Approach                      | 112                | Other OR therapeu          |
| 10                    | 0TQ33Z               | Repair Right Kidney Pelvis, Percutaneous Approach              | 112                | Other OR therapeu          |
| 10                    | 0TQ34Z               | Repair Right Kidney Pelvis, Percutaneous Endoscopic Approach   | 112                | Other OR therapeu          |
| 10                    | 0TQ37Z               | Repair Right Kidney Pelvis, Via Opening                        | 112                | Other OR therapeu          |
| 10                    | 0TQ38Z               | Repair Right Kidney Pelvis, Endo                               | 112                | Other OR therapeu          |
| 10                    | 0TQ40Z               | Repair Left Kidney Pelvis, Open Approach                       | 112                | Other OR therapeu          |
| 10                    | 0TQ43Z               | Repair Left Kidney Pelvis, Percutaneous Approach               | 112                | Other OR therapeu          |
| 10                    | 0TQ44Z               | Repair Left Kidney Pelvis, Percutaneous Endoscopic Approach    | 112                | Other OR therapeu          |
| 10                    | 0TQ47Z               | Repair Left Kidney Pelvis, Via Natural or Artificial Opening   | 112                | Other OR therapeu          |
| 10                    | 0TQ48Z               | Repair Left Kidney Pelvis, Endo                                | 112                | Other OR therapeu          |
| 10                    | 0TQ60Z               | Repair Right Ureter, Open Approach                             | 112                | Other OR therapeu          |
| 10                    | 0TQ63Z               | Repair Right Ureter, Percutaneous Approach                     | 112                | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0TQ64ZZ              | Repair Right Ureter, Percutaneous Endoscopic Approach      | 112                | Other OR therapeu          |
| 10                    | 0TQ67ZZ              | Repair Right Ureter, Via Natural or Artificial Opening     | 112                | Other OR therapeu          |
| 10                    | 0TQ68ZZ              | Repair Right Ureter, Endo                                  | 112                | Other OR therapeu          |
| 10                    | 0TQ70ZZ              | Repair Left Ureter, Open Approach                          | 112                | Other OR therapeu          |
| 10                    | 0TQ73ZZ              | Repair Left Ureter, Percutaneous Approach                  | 112                | Other OR therapeu          |
| 10                    | 0TQ74ZZ              | Repair Left Ureter, Percutaneous Endoscopic Approach       | 112                | Other OR therapeu          |
| 10                    | 0TQ77ZZ              | Repair Left Ureter, Via Natural or Artificial Opening      | 112                | Other OR therapeu          |
| 10                    | 0TQ78ZZ              | Repair Left Ureter, Endo                                   | 112                | Other OR therapeu          |
| 10                    | 0TQ80ZZ              | Repair Bladder, Open Approach                              | 112                | Other OR therapeu          |
| 10                    | 0TQ83ZZ              | Repair Bladder, Percutaneous Approach                      | 112                | Other OR therapeu          |
| 10                    | 0TQ84ZZ              | Repair Bladder, Percutaneous Endoscopic Approach           | 112                | Other OR therapeu          |
| 10                    | 0TQ87ZZ              | Repair Bladder, Via Natural or Artificial Opening          | 112                | Other OR therapeu          |
| 10                    | 0TQ88ZZ              | Repair Bladder, Via Natural or Artificial Opening Endoscop | 112                | Other OR therapeu          |
| 10                    | 0TQD0ZZ              | Repair Urethra, Open Approach                              | 109                | Procedures on the          |
| 10                    | 0TQD3ZZ              | Repair Urethra, Percutaneous Approach                      | 109                | Procedures on the          |
| 10                    | 0TQD4ZZ              | Repair Urethra, Percutaneous Endoscopic Approach           | 109                | Procedures on the          |
| 10                    | 0TQD7ZZ              | Repair Urethra, Via Natural or Artificial Opening          | 109                | Procedures on the          |
| 10                    | 0TQD8ZZ              | Repair Urethra, Via Natural or Artificial Opening Endoscop | 109                | Procedures on the          |
| 10                    | 0TQDXZZ              | Repair Urethra, External Approach                          | 109                | Procedures on the          |
| 10                    | 0TR307Z              | Replacement of R Kidney Pelvis with Autol Sub, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TR30JZ              | Replacement of R Kidney Pelvis with Synth Sub, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TR30KZ              | Replace of R Kidney Pelvis with Nonaut Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR347Z              | Replace R Kidney Pelvis w Autol Sub, Perc Endo             | 112                | Other OR therapeu          |
| 10                    | 0TR34JZ              | Replace R Kidney Pelvis w Synth Sub, Perc Endo             | 112                | Other OR therapeu          |
| 10                    | 0TR34KZ              | Replace R Kidney Pelvis w Nonaut Sub, Perc Endo            | 112                | Other OR therapeu          |
| 10                    | 0TR377Z              | Replacement of R Kidney Pelvis with Autol Sub, Via Opening | 112                | Other OR therapeu          |
| 10                    | 0TR37JZ              | Replacement of R Kidney Pelvis with Synth Sub, Via Opening | 112                | Other OR therapeu          |
| 10                    | 0TR37KZ              | Replacement of R Kidney Pelvis with Nonaut Sub, Via Openin | 112                | Other OR therapeu          |
| 10                    | 0TR387Z              | Replacement of Right Kidney Pelvis with Autol Sub, Endo    | 112                | Other OR therapeu          |
| 10                    | 0TR38JZ              | Replacement of Right Kidney Pelvis with Synth Sub, Endo    | 112                | Other OR therapeu          |
| 10                    | 0TR38KZ              | Replacement of Right Kidney Pelvis with Nonaut Sub, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TR407Z              | Replacement of L Kidney Pelvis with Autol Sub, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TR40JZ              | Replacement of L Kidney Pelvis with Synth Sub, Open Approa | 112                | Other OR therapeu          |
| 10                    | 0TR40KZ              | Replace of L Kidney Pelvis with Nonaut Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR447Z              | Replace L Kidney Pelvis w Autol Sub, Perc Endo             | 112                | Other OR therapeu          |
| 10                    | 0TR44JZ              | Replace L Kidney Pelvis w Synth Sub, Perc Endo             | 112                | Other OR therapeu          |
| 10                    | 0TR44KZ              | Replace L Kidney Pelvis w Nonaut Sub, Perc Endo            | 112                | Other OR therapeu          |
| 10                    | 0TR477Z              | Replacement of L Kidney Pelvis with Autol Sub, Via Opening | 112                | Other OR therapeu          |
| 10                    | 0TR47JZ              | Replacement of L Kidney Pelvis with Synth Sub, Via Opening | 112                | Other OR therapeu          |
| 10                    | 0TR47KZ              | Replacement of L Kidney Pelvis with Nonaut Sub, Via Openin | 112                | Other OR therapeu          |
| 10                    | 0TR487Z              | Replacement of Left Kidney Pelvis with Autol Sub, Endo     | 112                | Other OR therapeu          |
| 10                    | 0TR48JZ              | Replacement of Left Kidney Pelvis with Synth Sub, Endo     | 112                | Other OR therapeu          |
| 10                    | 0TR48KZ              | Replacement of Left Kidney Pelvis with Nonaut Sub, Endo    | 112                | Other OR therapeu          |
| 10                    | 0TR607Z              | Replacement of Right Ureter with Autol Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR60JZ              | Replacement of Right Ureter with Synth Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR60KZ              | Replacement of Right Ureter with Nonaut Sub, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TR647Z              | Replacement of R Ureter with Autol Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TR64JZ              | Replacement of R Ureter with Synth Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TR64KZ              | Replacement of R Ureter with Nonaut Sub, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TR677Z              | Replacement of Right Ureter with Autol Sub, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TR67JZ              | Replacement of Right Ureter with Synth Sub, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TR67KZ              | Replacement of Right Ureter with Nonaut Sub, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TR687Z              | Replacement of Right Ureter with Autol Sub, Endo           | 112                | Other OR therapeu          |
| 10                    | 0TR68JZ              | Replacement of Right Ureter with Synthetic Substitute, End | 112                | Other OR therapeu          |
| 10                    | 0TR68KZ              | Replacement of Right Ureter with Nonaut Sub, Endo          | 112                | Other OR therapeu          |
| 10                    | 0TR707Z              | Replacement of Left Ureter with Autol Sub, Open Approach   | 112                | Other OR therapeu          |
| 10                    | 0TR70JZ              | Replacement of Left Ureter with Synth Sub, Open Approach   | 112                | Other OR therapeu          |
| 10                    | 0TR70KZ              | Replacement of Left Ureter with Nonaut Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR747Z              | Replacement of L Ureter with Autol Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TR74JZ              | Replacement of L Ureter with Synth Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TR74KZ              | Replacement of L Ureter with Nonaut Sub, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TR777Z              | Replacement of Left Ureter with Autol Sub, Via Opening     | 112                | Other OR therapeu          |
| 10                    | 0TR77JZ              | Replacement of Left Ureter with Synth Sub, Via Opening     | 112                | Other OR therapeu          |
| 10                    | 0TR77KZ              | Replacement of Left Ureter with Nonaut Sub, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TR787Z              | Replacement of Left Ureter with Autol Sub, Endo            | 112                | Other OR therapeu          |
| 10                    | 0TR78JZ              | Replacement of Left Ureter with Synthetic Substitute, Endo | 112                | Other OR therapeu          |
| 10                    | 0TR78KZ              | Replacement of Left Ureter with Nonaut Sub, Endo           | 112                | Other OR therapeu          |
| 10                    | 0TR807Z              | Replacement of Bladder with Autol Sub, Open Approach       | 112                | Other OR therapeu          |
| 10                    | 0TR80JZ              | Replacement of Bladder with Synth Sub, Open Approach       | 112                | Other OR therapeu          |
| 10                    | 0TR80KZ              | Replacement of Bladder with Nonaut Sub, Open Approach      | 112                | Other OR therapeu          |
| 10                    | 0TR847Z              | Replacement of Bladder with Autol Sub, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR84JZ              | Replacement of Bladder with Synth Sub, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TR84KZ              | Replacement of Bladder with Nonaut Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TR877Z              | Replacement of Bladder with Autol Sub, Via Opening         | 112                | Other OR therapeu          |
| 10                    | 0TR87JZ              | Replacement of Bladder with Synth Sub, Via Opening         | 112                | Other OR therapeu          |
| 10                    | 0TR87KZ              | Replacement of Bladder with Nonaut Sub, Via Opening        | 112                | Other OR therapeu          |
| 10                    | 0TR887Z              | Replacement of Bladder with Autol Sub, Endo                | 112                | Other OR therapeu          |
| 10                    | 0TR88JZ              | Replacement of Bladder with Synthetic Substitute, Endo     | 112                | Other OR therapeu          |
| 10                    | 0TR88KZ              | Replacement of Bladder with Nonaut Sub, Endo               | 112                | Other OR therapeu          |
| 10                    | 0TRC07Z              | Replacement of Bladder Neck with Autol Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TRC0JZ              | Replacement of Bladder Neck with Synth Sub, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TRC0KZ              | Replacement of Bladder Neck with Nonaut Sub, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TRC47Z              | Replace of Bladder Neck with Autol Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TRC4JZ              | Replace of Bladder Neck with Synth Sub, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TRC4KZ              | Replace of Bladder Neck with Nonaut Sub, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0TRC77Z              | Replacement of Bladder Neck with Autol Sub, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TRC7JZ              | Replacement of Bladder Neck with Synth Sub, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TRC7KZ              | Replacement of Bladder Neck with Nonaut Sub, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TRC87Z              | Replacement of Bladder Neck with Autol Sub, Endo           | 112                | Other OR therapeu          |
| 10                    | 0TRC8JZ              | Replacement of Bladder Neck with Synthetic Substitute, End | 112                | Other OR therapeu          |
| 10                    | 0TRC8KZ              | Replacement of Bladder Neck with Nonaut Sub, Endo          | 112                | Other OR therapeu          |
| 10                    | 0TRD07Z              | Replacement of Urethra with Autol Sub, Open Approach       | 109                | Procedures on the          |
| 10                    | 0TRD0JZ              | Replacement of Urethra with Synth Sub, Open Approach       | 109                | Procedures on the          |
| 10                    | 0TRD0KZ              | Replacement of Urethra with Nonaut Sub, Open Approach      | 109                | Procedures on the          |
| 10                    | 0TRD47Z              | Replacement of Urethra with Autol Sub, Perc Endo Approach  | 109                | Procedures on the          |
| 10                    | 0TRD4JZ              | Replacement of Urethra with Synth Sub, Perc Endo Approach  | 109                | Procedures on the          |
| 10                    | 0TRD4KZ              | Replacement of Urethra with Nonaut Sub, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TRD77Z              | Replacement of Urethra with Autol Sub, Via Opening         | 109                | Procedures on the          |
| 10                    | 0TRD7JZ              | Replacement of Urethra with Synth Sub, Via Opening         | 109                | Procedures on the          |
| 10                    | 0TRD7KZ              | Replacement of Urethra with Nonaut Sub, Via Opening        | 109                | Procedures on the          |
| 10                    | 0TRD87Z              | Replacement of Urethra with Autol Sub, Endo                | 109                | Procedures on the          |
| 10                    | 0TRD8JZ              | Replacement of Urethra with Synthetic Substitute, Endo     | 109                | Procedures on the          |
| 10                    | 0TRD8KZ              | Replacement of Urethra with Nonaut Sub, Endo               | 109                | Procedures on the          |
| 10                    | 0TRDX7Z              | Replacement of Urethra with Autol Sub, Extern Approach     | 109                | Procedures on the          |
| 10                    | 0TRDXJZ              | Replacement of Urethra with Synth Sub, Extern Approach     | 109                | Procedures on the          |
| 10                    | 0TRDXKZ              | Replacement of Urethra with Nonaut Sub, Extern Approach    | 109                | Procedures on the          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0TS00ZZ              | Reposition Right Kidney, Open Approach                      | 112                | Other OR therapeu         |
| 10                    | 0TS04ZZ              | Reposition Right Kidney, Percutaneous Endoscopic Approach   | 112                | Other OR therapeu         |
| 10                    | 0TS10ZZ              | Reposition Left Kidney, Open Approach                       | 112                | Other OR therapeu         |
| 10                    | 0TS14ZZ              | Reposition Left Kidney, Percutaneous Endoscopic Approach    | 112                | Other OR therapeu         |
| 10                    | 0TS20ZZ              | Reposition Bilateral Kidneys, Open Approach                 | 112                | Other OR therapeu         |
| 10                    | 0TS24ZZ              | Reposition Bilateral Kidneys, Perc Endo Approach            | 112                | Other OR therapeu         |
| 10                    | 0TS30ZZ              | Reposition Right Kidney Pelvis, Open Approach               | 112                | Other OR therapeu         |
| 10                    | 0TS34ZZ              | Reposition Right Kidney Pelvis, Perc Endo Approach          | 112                | Other OR therapeu         |
| 10                    | 0TS40ZZ              | Reposition Left Kidney Pelvis, Open Approach                | 112                | Other OR therapeu         |
| 10                    | 0TS44ZZ              | Reposition Left Kidney Pelvis, Perc Endo Approach           | 112                | Other OR therapeu         |
| 10                    | 0TS60ZZ              | Reposition Right Ureter, Open Approach                      | 112                | Other OR therapeu         |
| 10                    | 0TS64ZZ              | Reposition Right Ureter, Percutaneous Endoscopic Approach   | 112                | Other OR therapeu         |
| 10                    | 0TS70ZZ              | Reposition Left Ureter, Open Approach                       | 112                | Other OR therapeu         |
| 10                    | 0TS74ZZ              | Reposition Left Ureter, Percutaneous Endoscopic Approach    | 112                | Other OR therapeu         |
| 10                    | 0TS80ZZ              | Reposition Bilateral Ureters, Open Approach                 | 112                | Other OR therapeu         |
| 10                    | 0TS84ZZ              | Reposition Bilateral Ureters, Perc Endo Approach            | 112                | Other OR therapeu         |
| 10                    | 0TS80ZZ              | Reposition Bladder, Open Approach                           | 112                | Other OR therapeu         |
| 10                    | 0TS84ZZ              | Reposition Bladder, Percutaneous Endoscopic Approach        | 112                | Other OR therapeu         |
| 10                    | 0TSC0ZZ              | Reposition Bladder Neck, Open Approach                      | 112                | Other OR therapeu         |
| 10                    | 0TSC4ZZ              | Reposition Bladder Neck, Percutaneous Endoscopic Approach   | 112                | Other OR therapeu         |
| 10                    | 0TSD0ZZ              | Reposition Urethra, Open Approach                           | 109                | Procedures on the         |
| 10                    | 0TSD4ZZ              | Reposition Urethra, Percutaneous Endoscopic Approach        | 109                | Procedures on the         |
| 10                    | 0TTO0ZZ              | Resection of Right Kidney, Open Approach                    | 104                | Nephrectomy; part         |
| 10                    | 0TTO4ZZ              | Resection of Right Kidney, Percutaneous Endoscopic Approach | 104                | Nephrectomy; part         |
| 10                    | 0TT10ZZ              | Resection of Left Kidney, Open Approach                     | 104                | Nephrectomy; part         |
| 10                    | 0TT14ZZ              | Resection of Left Kidney, Percutaneous Endoscopic Approach  | 104                | Nephrectomy; part         |
| 10                    | 0TT20ZZ              | Resection of Bilateral Kidneys, Open Approach               | 104                | Nephrectomy; part         |
| 10                    | 0TT24ZZ              | Resection of Bilateral Kidneys, Perc Endo Approach          | 104                | Nephrectomy; part         |
| 10                    | 0TT30ZZ              | Resection of Right Kidney Pelvis, Open Approach             | 104                | Nephrectomy; part         |
| 10                    | 0TT34ZZ              | Resection of Right Kidney Pelvis, Perc Endo Approach        | 104                | Nephrectomy; part         |
| 10                    | 0TT37ZZ              | Resection of Right Kidney Pelvis, Via Opening               | 104                | Nephrectomy; part         |
| 10                    | 0TT38ZZ              | Resection of Right Kidney Pelvis, Endo                      | 104                | Nephrectomy; part         |
| 10                    | 0TT40ZZ              | Resection of Left Kidney Pelvis, Open Approach              | 104                | Nephrectomy; part         |
| 10                    | 0TT44ZZ              | Resection of Left Kidney Pelvis, Perc Endo Approach         | 104                | Nephrectomy; part         |
| 10                    | 0TT47ZZ              | Resection of Left Kidney Pelvis, Via Opening                | 104                | Nephrectomy; part         |
| 10                    | 0TT48ZZ              | Resection of Left Kidney Pelvis, Endo                       | 104                | Nephrectomy; part         |
| 10                    | 0TT60ZZ              | Resection of Right Ureter, Open Approach                    | 112                | Other OR therapeu         |
| 10                    | 0TT64ZZ              | Resection of Right Ureter, Percutaneous Endoscopic Approach | 112                | Other OR therapeu         |
| 10                    | 0TT67ZZ              | Resection of Right Ureter, Via Natural or Artificial Openi  | 112                | Other OR therapeu         |
| 10                    | 0TT68ZZ              | Resection of Right Ureter, Endo                             | 112                | Other OR therapeu         |
| 10                    | 0TT70ZZ              | Resection of Left Ureter, Open Approach                     | 112                | Other OR therapeu         |
| 10                    | 0TT74ZZ              | Resection of Left Ureter, Percutaneous Endoscopic Approach  | 112                | Other OR therapeu         |
| 10                    | 0TT77ZZ              | Resection of Left Ureter, Via Natural or Artificial Openin  | 112                | Other OR therapeu         |
| 10                    | 0TT78ZZ              | Resection of Left Ureter, Endo                              | 112                | Other OR therapeu         |
| 10                    | 0TT80ZZ              | Resection of Bladder, Open Approach                         | 112                | Other OR therapeu         |
| 10                    | 0TT84ZZ              | Resection of Bladder, Percutaneous Endoscopic Approach      | 112                | Other OR therapeu         |
| 10                    | 0TT87ZZ              | Resection of Bladder, Via Natural or Artificial Opening     | 112                | Other OR therapeu         |
| 10                    | 0TT88ZZ              | Resection of Bladder, Endo                                  | 112                | Other OR therapeu         |
| 10                    | 0TTC0ZZ              | Resection of Bladder Neck, Open Approach                    | 112                | Other OR therapeu         |
| 10                    | 0TTC4ZZ              | Resection of Bladder Neck, Percutaneous Endoscopic Approach | 112                | Other OR therapeu         |
| 10                    | 0TTC7ZZ              | Resection of Bladder Neck, Via Natural or Artificial Openi  | 112                | Other OR therapeu         |
| 10                    | 0TTC8ZZ              | Resection of Bladder Neck, Endo                             | 112                | Other OR therapeu         |
| 10                    | 0TTD0ZZ              | Resection of Urethra, Open Approach                         | 109                | Procedures on the         |
| 10                    | 0TTD4ZZ              | Resection of Urethra, Percutaneous Endoscopic Approach      | 109                | Procedures on the         |
| 10                    | 0TTD7ZZ              | Resection of Urethra, Via Natural or Artificial Opening     | 109                | Procedures on the         |
| 10                    | 0TTD8ZZ              | Resection of Urethra, Endo                                  | 109                | Procedures on the         |
| 10                    | 0TU307Z              | Supplement Right Kidney Pelvis with Autol Sub, Open Approa  | 112                | Other OR therapeu         |
| 10                    | 0TU30JZ              | Supplement Right Kidney Pelvis with Synth Sub, Open Approa  | 112                | Other OR therapeu         |
| 10                    | 0TU30KZ              | Supplement R Kidney Pelvis with Nonaut Sub, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0TU347Z              | Supplement R Kidney Pelvis w Autol Sub, Perc Endo           | 112                | Other OR therapeu         |
| 10                    | 0TU34JZ              | Supplement R Kidney Pelvis w Synth Sub, Perc Endo           | 112                | Other OR therapeu         |
| 10                    | 0TU34KZ              | Supplement R Kidney Pelvis w Nonaut Sub, Perc Endo          | 112                | Other OR therapeu         |
| 10                    | 0TU377Z              | Supplement Right Kidney Pelvis with Autol Sub, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0TU37JZ              | Supplement Right Kidney Pelvis with Synth Sub, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0TU37KZ              | Supplement Right Kidney Pelvis with Nonaut Sub, Via Openin  | 112                | Other OR therapeu         |
| 10                    | 0TU387Z              | Supplement Right Kidney Pelvis with Autol Sub, Endo         | 112                | Other OR therapeu         |
| 10                    | 0TU38JZ              | Supplement Right Kidney Pelvis with Synth Sub, Endo         | 112                | Other OR therapeu         |
| 10                    | 0TU38KZ              | Supplement Right Kidney Pelvis with Nonaut Sub, Endo        | 112                | Other OR therapeu         |
| 10                    | 0TU407Z              | Supplement Left Kidney Pelvis with Autol Sub, Open Approach | 112                | Other OR therapeu         |
| 10                    | 0TU40JZ              | Supplement Left Kidney Pelvis with Synth Sub, Open Approach | 112                | Other OR therapeu         |
| 10                    | 0TU40KZ              | Supplement Left Kidney Pelvis with Nonaut Sub, Open Approa  | 112                | Other OR therapeu         |
| 10                    | 0TU447Z              | Supplement L Kidney Pelvis w Autol Sub, Perc Endo           | 112                | Other OR therapeu         |
| 10                    | 0TU44JZ              | Supplement L Kidney Pelvis w Synth Sub, Perc Endo           | 112                | Other OR therapeu         |
| 10                    | 0TU44KZ              | Supplement L Kidney Pelvis w Nonaut Sub, Perc Endo          | 112                | Other OR therapeu         |
| 10                    | 0TU477Z              | Supplement Left Kidney Pelvis with Autol Sub, Via Opening   | 112                | Other OR therapeu         |
| 10                    | 0TU47JZ              | Supplement Left Kidney Pelvis with Synth Sub, Via Opening   | 112                | Other OR therapeu         |
| 10                    | 0TU47KZ              | Supplement Left Kidney Pelvis with Nonaut Sub, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0TU487Z              | Supplement Left Kidney Pelvis with Autol Sub, Endo          | 112                | Other OR therapeu         |
| 10                    | 0TU48JZ              | Supplement Left Kidney Pelvis with Synth Sub, Endo          | 112                | Other OR therapeu         |
| 10                    | 0TU48KZ              | Supplement Left Kidney Pelvis with Nonaut Sub, Endo         | 112                | Other OR therapeu         |
| 10                    | 0TU607Z              | Supplement Right Ureter with Autol Sub, Open Approach       | 112                | Other OR therapeu         |
| 10                    | 0TU60JZ              | Supplement Right Ureter with Synth Sub, Open Approach       | 112                | Other OR therapeu         |
| 10                    | 0TU60KZ              | Supplement Right Ureter with Nonaut Sub, Open Approach      | 112                | Other OR therapeu         |
| 10                    | 0TU647Z              | Supplement Right Ureter with Autol Sub, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0TU64JZ              | Supplement Right Ureter with Synth Sub, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0TU64KZ              | Supplement Right Ureter with Nonaut Sub, Perc Endo Approach | 112                | Other OR therapeu         |
| 10                    | 0TU677Z              | Supplement Right Ureter with Autol Sub, Via Opening         | 112                | Other OR therapeu         |
| 10                    | 0TU67JZ              | Supplement Right Ureter with Synth Sub, Via Opening         | 112                | Other OR therapeu         |
| 10                    | 0TU67KZ              | Supplement Right Ureter with Nonaut Sub, Via Opening        | 112                | Other OR therapeu         |
| 10                    | 0TU687Z              | Supplement Right Ureter with Autol Sub, Endo                | 112                | Other OR therapeu         |
| 10                    | 0TU68JZ              | Supplement Right Ureter with Synthetic Substitute, Endo     | 112                | Other OR therapeu         |
| 10                    | 0TU68KZ              | Supplement Right Ureter with Nonaut Sub, Endo               | 112                | Other OR therapeu         |
| 10                    | 0TU707Z              | Supplement Left Ureter with Autol Sub, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TU70JZ              | Supplement Left Ureter with Synth Sub, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TU70KZ              | Supplement Left Ureter with Nonaut Sub, Open Approach       | 112                | Other OR therapeu         |
| 10                    | 0TU747Z              | Supplement Left Ureter with Autol Sub, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TU74JZ              | Supplement Left Ureter with Synth Sub, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TU74KZ              | Supplement Left Ureter with Nonaut Sub, Perc Endo Approach  | 112                | Other OR therapeu         |
| 10                    | 0TU777Z              | Supplement Left Ureter with Autol Sub, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TU77JZ              | Supplement Left Ureter with Synth Sub, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TU77KZ              | Supplement Left Ureter with Nonaut Sub, Via Opening         | 112                | Other OR therapeu         |
| 10                    | 0TU787Z              | Supplement Left Ureter with Autol Sub, Endo                 | 112                | Other OR therapeu         |
| 10                    | 0TU78JZ              | Supplement Left Ureter with Synthetic Substitute, Endo      | 112                | Other OR therapeu         |
| 10                    | 0TU78KZ              | Supplement Left Ureter with Nonaut Sub, Endo                | 112                | Other OR therapeu         |
| 10                    | 0TU807Z              | Supplement Bladder with Autol Sub, Open Approach            | 112                | Other OR therapeu         |
| 10                    | 0TU80JZ              | Supplement Bladder with Synthetic Substitute, Open Approach | 112                | Other OR therapeu         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0TU80KZ              | Supplement Bladder with Nonaut Sub, Open Approach           | 112                | Other OR therapeu          |
| 10                    | 0TU847Z              | Supplement Bladder with Autol Sub, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TU84IZ              | Supplement Bladder with Synth Sub, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TU84KZ              | Supplement Bladder with Nonaut Sub, Perc Endo Approach      | 112                | Other OR therapeu          |
| 10                    | 0TU877Z              | Supplement Bladder with Autol Sub, Via Opening              | 112                | Other OR therapeu          |
| 10                    | 0TU87JZ              | Supplement Bladder with Synthetic Substitute, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TU87KZ              | Supplement Bladder with Nonaut Sub, Via Opening             | 112                | Other OR therapeu          |
| 10                    | 0TU887Z              | Supplement Bladder with Autologous Tissue Substitute, Endo  | 112                | Other OR therapeu          |
| 10                    | 0TU88JZ              | Supplement Bladder with Synthetic Substitute, Endo          | 112                | Other OR therapeu          |
| 10                    | 0TU88KZ              | Supplement Bladder with Nonaut Sub, Endo                    | 112                | Other OR therapeu          |
| 10                    | 0TUC07Z              | Supplement Bladder Neck with Autol Sub, Open Approach       | 106                | Genitourinary inc          |
| 10                    | 0TUC0JZ              | Supplement Bladder Neck with Synth Sub, Open Approach       | 106                | Genitourinary inc          |
| 10                    | 0TUC0KZ              | Supplement Bladder Neck with Nonaut Sub, Open Approach      | 106                | Genitourinary inc          |
| 10                    | 0TUC47Z              | Supplement Bladder Neck with Autol Sub, Perc Endo Approach  | 106                | Genitourinary inc          |
| 10                    | 0TUC4JZ              | Supplement Bladder Neck with Synth Sub, Perc Endo Approach  | 106                | Genitourinary inc          |
| 10                    | 0TUC4KZ              | Supplement Bladder Neck with Nonaut Sub, Perc Endo Approach | 106                | Genitourinary inc          |
| 10                    | 0TUC77Z              | Supplement Bladder Neck with Autol Sub, Via Opening         | 106                | Genitourinary inc          |
| 10                    | 0TUC7JZ              | Supplement Bladder Neck with Synth Sub, Via Opening         | 106                | Genitourinary inc          |
| 10                    | 0TUC7KZ              | Supplement Bladder Neck with Nonaut Sub, Via Opening        | 106                | Genitourinary inc          |
| 10                    | 0TUC87Z              | Supplement Bladder Neck with Autol Sub, Endo                | 106                | Genitourinary inc          |
| 10                    | 0TUC8JZ              | Supplement Bladder Neck with Synthetic Substitute, Endo     | 106                | Genitourinary inc          |
| 10                    | 0TUC8KZ              | Supplement Bladder Neck with Nonaut Sub, Endo               | 106                | Genitourinary inc          |
| 10                    | 0TUD07Z              | Supplement Urethra with Autol Sub, Open Approach            | 109                | Procedures on the          |
| 10                    | 0TUD0JZ              | Supplement Urethra with Synthetic Substitute, Open Approach | 109                | Procedures on the          |
| 10                    | 0TUD0KZ              | Supplement Urethra with Nonaut Sub, Open Approach           | 109                | Procedures on the          |
| 10                    | 0TUD47Z              | Supplement Urethra with Autol Sub, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TUD4JZ              | Supplement Urethra with Synth Sub, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TUD4KZ              | Supplement Urethra with Nonaut Sub, Perc Endo Approach      | 109                | Procedures on the          |
| 10                    | 0TUD77Z              | Supplement Urethra with Autol Sub, Via Opening              | 109                | Procedures on the          |
| 10                    | 0TUD7JZ              | Supplement Urethra with Synthetic Substitute, Via Opening   | 109                | Procedures on the          |
| 10                    | 0TUD7KZ              | Supplement Urethra with Nonaut Sub, Via Opening             | 109                | Procedures on the          |
| 10                    | 0TUD87Z              | Supplement Urethra with Autologous Tissue Substitute, Endo  | 109                | Procedures on the          |
| 10                    | 0TUD8JZ              | Supplement Urethra with Synthetic Substitute, Endo          | 109                | Procedures on the          |
| 10                    | 0TUD8KZ              | Supplement Urethra with Nonaut Sub, Endo                    | 109                | Procedures on the          |
| 10                    | 0TUDX7Z              | Supplement Urethra with Autol Sub, Extern Approach          | 109                | Procedures on the          |
| 10                    | 0TUDXJZ              | Supplement Urethra with Synth Sub, Extern Approach          | 109                | Procedures on the          |
| 10                    | 0TUDXKZ              | Supplement Urethra with Nonaut Sub, Extern Approach         | 109                | Procedures on the          |
| 10                    | 0TV30CZ              | Restrict of R Kidney Pelvis with Extralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV30DZ              | Restrict of R Kidney Pelvis with Intralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV30ZZ              | Restriction of Right Kidney Pelvis, Open Approach           | 112                | Other OR therapeu          |
| 10                    | 0TV33CZ              | Restrict of R Kidney Pelvis with Extralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV33DZ              | Restrict of R Kidney Pelvis with Intralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV33ZZ              | Restriction of Right Kidney Pelvis, Percutaneous Approach   | 112                | Other OR therapeu          |
| 10                    | 0TV34CZ              | Restrict R Kidney Pelvis w Extralum Dev, Perc Endo          | 112                | Other OR therapeu          |
| 10                    | 0TV34DZ              | Restrict R Kidney Pelvis w Intralum Dev, Perc Endo          | 112                | Other OR therapeu          |
| 10                    | 0TV34ZZ              | Restriction of Right Kidney Pelvis, Perc Endo Approach      | 112                | Other OR therapeu          |
| 10                    | 0TV37DZ              | Restrict of R Kidney Pelvis with Intralum Dev, Via Opening  | 112                | Other OR therapeu          |
| 10                    | 0TV37ZZ              | Restriction of Right Kidney Pelvis, Via Opening             | 112                | Other OR therapeu          |
| 10                    | 0TV38DZ              | Restriction of Right Kidney Pelvis with Intralum Dev, Endo  | 112                | Other OR therapeu          |
| 10                    | 0TV38ZZ              | Restriction of Right Kidney Pelvis, Endo                    | 112                | Other OR therapeu          |
| 10                    | 0TV40CZ              | Restrict of L Kidney Pelvis with Extralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV40DZ              | Restrict of L Kidney Pelvis with Intralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV40ZZ              | Restriction of Left Kidney Pelvis, Open Approach            | 112                | Other OR therapeu          |
| 10                    | 0TV43CZ              | Restrict of L Kidney Pelvis with Extralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV43DZ              | Restrict of L Kidney Pelvis with Intralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV43ZZ              | Restriction of Left Kidney Pelvis, Percutaneous Approach    | 112                | Other OR therapeu          |
| 10                    | 0TV44CZ              | Restrict L Kidney Pelvis w Extralum Dev, Perc Endo          | 112                | Other OR therapeu          |
| 10                    | 0TV44DZ              | Restrict L Kidney Pelvis w Intralum Dev, Perc Endo          | 112                | Other OR therapeu          |
| 10                    | 0TV44ZZ              | Restriction of Left Kidney Pelvis, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TV47DZ              | Restrict of L Kidney Pelvis with Intralum Dev, Via Opening  | 112                | Other OR therapeu          |
| 10                    | 0TV47ZZ              | Restriction of Left Kidney Pelvis, Via Opening              | 112                | Other OR therapeu          |
| 10                    | 0TV48DZ              | Restriction of Left Kidney Pelvis with Intralum Dev, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TV48ZZ              | Restriction of Left Kidney Pelvis, Endo                     | 112                | Other OR therapeu          |
| 10                    | 0TV60CZ              | Restriction of Right Ureter with Extralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV60DZ              | Restriction of Right Ureter with Intralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV60ZZ              | Restriction of Right Ureter, Open Approach                  | 112                | Other OR therapeu          |
| 10                    | 0TV63CZ              | Restriction of Right Ureter with Extralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV63DZ              | Restriction of Right Ureter with Intralum Dev, Perc Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV63ZZ              | Restriction of Right Ureter, Percutaneous Approach          | 112                | Other OR therapeu          |
| 10                    | 0TV64CZ              | Restrict of R Ureter with Extralum Dev, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TV64DZ              | Restrict of R Ureter with Intralum Dev, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TV64ZZ              | Restriction of Right Ureter, Perc Endo Approach             | 112                | Other OR therapeu          |
| 10                    | 0TV67DZ              | Restriction of Right Ureter with Intralum Dev, Via Opening  | 112                | Other OR therapeu          |
| 10                    | 0TV67ZZ              | Restriction of Right Ureter, Via Opening                    | 112                | Other OR therapeu          |
| 10                    | 0TV68DZ              | Restriction of Right Ureter with Intraluminal Device, Endo  | 112                | Other OR therapeu          |
| 10                    | 0TV68ZZ              | Restriction of Right Ureter, Endo                           | 112                | Other OR therapeu          |
| 10                    | 0TV70CZ              | Restriction of Left Ureter with Extralum Dev, Open Appoa    | 112                | Other OR therapeu          |
| 10                    | 0TV70DZ              | Restriction of Left Ureter with Intralum Dev, Open Appoa    | 112                | Other OR therapeu          |
| 10                    | 0TV70ZZ              | Restriction of Left Ureter, Open Approach                   | 112                | Other OR therapeu          |
| 10                    | 0TV73CZ              | Restriction of Left Ureter with Extralum Dev, Perc Appoa    | 112                | Other OR therapeu          |
| 10                    | 0TV73DZ              | Restriction of Left Ureter with Intralum Dev, Perc Appoa    | 112                | Other OR therapeu          |
| 10                    | 0TV73ZZ              | Restriction of Left Ureter, Percutaneous Approach           | 112                | Other OR therapeu          |
| 10                    | 0TV74CZ              | Restrict of L Ureter with Extralum Dev, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TV74DZ              | Restrict of L Ureter with Intralum Dev, Perc Endo Approach  | 112                | Other OR therapeu          |
| 10                    | 0TV74ZZ              | Restriction of Left Ureter, Percutaneous Endoscopic Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV77DZ              | Restriction of Left Ureter with Intralum Dev, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TV77ZZ              | Restriction of Left Ureter, Via Opening                     | 112                | Other OR therapeu          |
| 10                    | 0TV78DZ              | Restriction of Left Ureter with Intraluminal Device, Endo   | 112                | Other OR therapeu          |
| 10                    | 0TV78ZZ              | Restriction of Left Ureter, Endo                            | 112                | Other OR therapeu          |
| 10                    | 0TV80CZ              | Restriction of Bladder with Extralum Dev, Open Approach     | 112                | Other OR therapeu          |
| 10                    | 0TV80DZ              | Restriction of Bladder with Intralum Dev, Open Approach     | 112                | Other OR therapeu          |
| 10                    | 0TV80ZZ              | Restriction of Bladder, Open Approach                       | 112                | Other OR therapeu          |
| 10                    | 0TV83CZ              | Restriction of Bladder with Extralum Dev, Perc Approach     | 112                | Other OR therapeu          |
| 10                    | 0TV83DZ              | Restriction of Bladder with Intralum Dev, Perc Approach     | 112                | Other OR therapeu          |
| 10                    | 0TV83ZZ              | Restriction of Bladder, Percutaneous Approach               | 112                | Other OR therapeu          |
| 10                    | 0TV84CZ              | Restriction of Bladder with Extralum Dev, Perc Endo Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV84DZ              | Restriction of Bladder with Intralum Dev, Perc Endo Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TV84ZZ              | Restriction of Bladder, Percutaneous Endoscopic Approach    | 112                | Other OR therapeu          |
| 10                    | 0TV87DZ              | Restriction of Bladder with Intraluminal Device, Via Openi  | 112                | Other OR therapeu          |
| 10                    | 0TV87ZZ              | Restriction of Bladder, Via Natural or Artificial Opening   | 112                | Other OR therapeu          |
| 10                    | 0TV88DZ              | Restriction of Bladder with Intraluminal Device, Endo       | 112                | Other OR therapeu          |
| 10                    | 0TV88ZZ              | Restriction of Bladder, Endo                                | 112                | Other OR therapeu          |
| 10                    | 0TVC0CZ              | Restriction of Bladder Neck with Extralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TVC0DZ              | Restriction of Bladder Neck with Intralum Dev, Open Appoa   | 112                | Other OR therapeu          |
| 10                    | 0TVC0ZZ              | Restriction of Bladder Neck, Open Approach                  | 112                | Other OR therapeu          |
| 10                    | 0TVC3CZ              | Restriction of Bladder Neck with Extralum Dev, Perc Appoa   | 112                | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0TV3DZ               | Restriction of Bladder Neck with Intralum Dev, Perc Appra   | 112                | Other OR therapeu         |
| 10                    | 0TV3ZZ               | Restriction of Bladder Neck, Percutaneous Approach          | 112                | Other OR therapeu         |
| 10                    | 0TV4CZ               | Restrict Bladder Neck w Extralum Dev, Perc Endo             | 112                | Other OR therapeu         |
| 10                    | 0TV4DZ               | Restrict Bladder Neck w Intralum Dev, Perc Endo             | 112                | Other OR therapeu         |
| 10                    | 0TV4ZZ               | Restriction of Bladder Neck, Perc Endo Approach             | 112                | Other OR therapeu         |
| 10                    | 0TV7DZ               | Restriction of Bladder Neck with Intralum Dev, Via Opening  | 112                | Other OR therapeu         |
| 10                    | 0TV7ZZ               | Restriction of Bladder Neck, Via Opening                    | 112                | Other OR therapeu         |
| 10                    | 0TV8DZ               | Restriction of Bladder Neck with Intraluminal Device, Endo  | 112                | Other OR therapeu         |
| 10                    | 0TV8ZZ               | Restriction of Bladder Neck, Endo                           | 112                | Other OR therapeu         |
| 10                    | 0TVD0CZ              | Restriction of Urethra with Extralum Dev, Open Approach     | 109                | Procedures on the         |
| 10                    | 0TVD0DZ              | Restriction of Urethra with Intralum Dev, Open Approach     | 109                | Procedures on the         |
| 10                    | 0TVD0ZZ              | Restriction of Urethra, Open Approach                       | 109                | Procedures on the         |
| 10                    | 0TVD3CZ              | Restriction of Urethra with Extralum Dev, Perc Approach     | 109                | Procedures on the         |
| 10                    | 0TVD3DZ              | Restriction of Urethra with Intralum Dev, Perc Approach     | 109                | Procedures on the         |
| 10                    | 0TVD3ZZ              | Restriction of Urethra, Percutaneous Approach               | 109                | Procedures on the         |
| 10                    | 0TVD4CZ              | Restriction of Urethra with Extralum Dev, Perc Endo Appra   | 109                | Procedures on the         |
| 10                    | 0TVD4DZ              | Restriction of Urethra with Intralum Dev, Perc Endo Appra   | 109                | Procedures on the         |
| 10                    | 0TVD4ZZ              | Restriction of Urethra, Percutaneous Endoscopic Approach    | 109                | Procedures on the         |
| 10                    | 0TVD7DZ              | Restriction of Urethra with Intraluminal Device, Via Openi  | 109                | Procedures on the         |
| 10                    | 0TVD7ZZ              | Restriction of Urethra, Via Natural or Artificial Opening   | 109                | Procedures on the         |
| 10                    | 0TVD8DZ              | Restriction of Urethra with Intraluminal Device, Endo       | 109                | Procedures on the         |
| 10                    | 0TVD8ZZ              | Restriction of Urethra, Endo                                | 109                | Procedures on the         |
| 10                    | 0TVDXZZ              | Restriction of Urethra, External Approach                   | 109                | Procedures on the         |
| 10                    | 0TW500Z              | Revision of Drainage Device in Kidney, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW502Z              | Revision of Monitoring Device in Kidney, Open Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW503Z              | Revision of Infusion Device in Kidney, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW507Z              | Revision of Autol Sub in Kidney, Open Approach              | 112                | Other OR therapeu         |
| 10                    | 0TW50CZ              | Revision of Extraluminal Device in Kidney, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW50DZ              | Revision of Intraluminal Device in Kidney, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW50JZ              | Revision of Synthetic Substitute in Kidney, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW50KZ              | Revision of Nonaub Sub in Kidney, Open Approach             | 112                | Other OR therapeu         |
| 10                    | 0TW530Z              | Revision of Drainage Device in Kidney, Percutaneous Appra   | 112                | Other OR therapeu         |
| 10                    | 0TW532Z              | Revision of Monitoring Device in Kidney, Perc Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW533Z              | Revision of Infusion Device in Kidney, Percutaneous Appra   | 112                | Other OR therapeu         |
| 10                    | 0TW537Z              | Revision of Autol Sub in Kidney, Perc Approach              | 112                | Other OR therapeu         |
| 10                    | 0TW53CZ              | Revision of Extraluminal Device in Kidney, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW53DZ              | Revision of Intraluminal Device in Kidney, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW53JZ              | Revision of Synthetic Substitute in Kidney, Perc Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW53KZ              | Revision of Nonaub Sub in Kidney, Perc Approach             | 112                | Other OR therapeu         |
| 10                    | 0TW540Z              | Revision of Drainage Device in Kidney, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW542Z              | Revision of Monitoring Device in Kidney, Perc Endo Approach | 112                | Other OR therapeu         |
| 10                    | 0TW543Z              | Revision of Infusion Device in Kidney, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW547Z              | Revision of Autol Sub in Kidney, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0TW54CZ              | Revision of Extralum Dev in Kidney, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW54DZ              | Revision of Intralum Dev in Kidney, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW54JZ              | Revision of Synth Sub in Kidney, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0TW54KZ              | Revision of Nonaub Sub in Kidney, Perc Endo Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW570Z              | Revision of Drainage Device in Kidney, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TW572Z              | Revision of Monitoring Device in Kidney, Via Opening        | 112                | Other OR therapeu         |
| 10                    | 0TW573Z              | Revision of Infusion Device in Kidney, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TW577Z              | Revision of Autol Sub in Kidney, Via Opening                | 112                | Other OR therapeu         |
| 10                    | 0TW57CZ              | Revision of Extraluminal Device in Kidney, Via Opening      | 112                | Other OR therapeu         |
| 10                    | 0TW57DZ              | Revision of Intraluminal Device in Kidney, Via Opening      | 112                | Other OR therapeu         |
| 10                    | 0TW57JZ              | Revision of Synthetic Substitute in Kidney, Via Opening     | 112                | Other OR therapeu         |
| 10                    | 0TW57KZ              | Revision of Nonaub Sub in Kidney, Via Opening               | 112                | Other OR therapeu         |
| 10                    | 0TW580Z              | Revision of Drainage Device in Kidney, Endo                 | 112                | Other OR therapeu         |
| 10                    | 0TW582Z              | Revision of Monitoring Device in Kidney, Endo               | 112                | Other OR therapeu         |
| 10                    | 0TW583Z              | Revision of Infusion Device in Kidney, Endo                 | 112                | Other OR therapeu         |
| 10                    | 0TW587Z              | Revision of Autologous Tissue Substitute in Kidney, Endo    | 112                | Other OR therapeu         |
| 10                    | 0TW58CZ              | Revision of Extraluminal Device in Kidney, Endo             | 112                | Other OR therapeu         |
| 10                    | 0TW58DZ              | Revision of Intraluminal Device in Kidney, Endo             | 112                | Other OR therapeu         |
| 10                    | 0TW58JZ              | Revision of Synthetic Substitute in Kidney, Endo            | 112                | Other OR therapeu         |
| 10                    | 0TW58KZ              | Revision of Nonaautologous Tissue Substitute in Kidney, End | 112                | Other OR therapeu         |
| 10                    | 0TW900Z              | Revision of Drainage Device in Ureter, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW902Z              | Revision of Monitoring Device in Ureter, Open Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW903Z              | Revision of Infusion Device in Ureter, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW907Z              | Revision of Autol Sub in Ureter, Open Approach              | 112                | Other OR therapeu         |
| 10                    | 0TW90CZ              | Revision of Extraluminal Device in Ureter, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW90DZ              | Revision of Intraluminal Device in Ureter, Open Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW90JZ              | Revision of Synthetic Substitute in Ureter, Open Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW90KZ              | Revision of Nonaub Sub in Ureter, Open Approach             | 112                | Other OR therapeu         |
| 10                    | 0TW90MZ              | Revision of Stimulator Lead in Ureter, Open Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW930Z              | Revision of Drainage Device in Ureter, Percutaneous Appra   | 112                | Other OR therapeu         |
| 10                    | 0TW932Z              | Revision of Monitoring Device in Ureter, Perc Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW933Z              | Revision of Infusion Device in Ureter, Percutaneous Appra   | 112                | Other OR therapeu         |
| 10                    | 0TW937Z              | Revision of Autol Sub in Ureter, Perc Approach              | 112                | Other OR therapeu         |
| 10                    | 0TW93CZ              | Revision of Extraluminal Device in Ureter, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW93DZ              | Revision of Intraluminal Device in Ureter, Perc Approach    | 112                | Other OR therapeu         |
| 10                    | 0TW93JZ              | Revision of Synthetic Substitute in Ureter, Perc Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW93KZ              | Revision of Nonaub Sub in Ureter, Perc Approach             | 112                | Other OR therapeu         |
| 10                    | 0TW93MZ              | Revision of Stimulator Lead in Ureter, Percutaneous Appra   | 112                | Other OR therapeu         |
| 10                    | 0TW940Z              | Revision of Drainage Device in Ureter, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW942Z              | Revision of Monitoring Device in Ureter, Perc Endo Approach | 112                | Other OR therapeu         |
| 10                    | 0TW943Z              | Revision of Infusion Device in Ureter, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW947Z              | Revision of Autol Sub in Ureter, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0TW94CZ              | Revision of Extralum Dev in Ureter, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW94DZ              | Revision of Intralum Dev in Ureter, Perc Endo Approach      | 112                | Other OR therapeu         |
| 10                    | 0TW94JZ              | Revision of Synth Sub in Ureter, Perc Endo Approach         | 112                | Other OR therapeu         |
| 10                    | 0TW94KZ              | Revision of Nonaub Sub in Ureter, Perc Endo Approach        | 112                | Other OR therapeu         |
| 10                    | 0TW94MZ              | Revision of Stimulator Lead in Ureter, Perc Endo Approach   | 112                | Other OR therapeu         |
| 10                    | 0TW970Z              | Revision of Drainage Device in Ureter, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TW972Z              | Revision of Monitoring Device in Ureter, Via Opening        | 112                | Other OR therapeu         |
| 10                    | 0TW973Z              | Revision of Infusion Device in Ureter, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TW977Z              | Revision of Autol Sub in Ureter, Via Opening                | 112                | Other OR therapeu         |
| 10                    | 0TW97CZ              | Revision of Extraluminal Device in Ureter, Via Opening      | 112                | Other OR therapeu         |
| 10                    | 0TW97DZ              | Revision of Intraluminal Device in Ureter, Via Opening      | 112                | Other OR therapeu         |
| 10                    | 0TW97JZ              | Revision of Synthetic Substitute in Ureter, Via Opening     | 112                | Other OR therapeu         |
| 10                    | 0TW97KZ              | Revision of Nonaub Sub in Ureter, Via Opening               | 112                | Other OR therapeu         |
| 10                    | 0TW97MZ              | Revision of Stimulator Lead in Ureter, Via Opening          | 112                | Other OR therapeu         |
| 10                    | 0TW980Z              | Revision of Drainage Device in Ureter, Endo                 | 112                | Other OR therapeu         |
| 10                    | 0TW982Z              | Revision of Monitoring Device in Ureter, Endo               | 112                | Other OR therapeu         |
| 10                    | 0TW983Z              | Revision of Infusion Device in Ureter, Endo                 | 112                | Other OR therapeu         |
| 10                    | 0TW987Z              | Revision of Autologous Tissue Substitute in Ureter, Endo    | 112                | Other OR therapeu         |
| 10                    | 0TW98CZ              | Revision of Extraluminal Device in Ureter, Endo             | 112                | Other OR therapeu         |
| 10                    | 0TW98DZ              | Revision of Intraluminal Device in Ureter, Endo             | 112                | Other OR therapeu         |
| 10                    | 0TW98JZ              | Revision of Synthetic Substitute in Ureter, Endo            | 112                | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0TW98KZ              | Revision of Nonaotologous Tissue Substitute in Ureter, End | 112                | Other OR therapeu          |
| 10                    | 0TW98MZ              | Revision of Stimulator Lead in Ureter, Endo                | 112                | Other OR therapeu          |
| 10                    | 0TWB00Z              | Revision of Drainage Device in Bladder, Open Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB02Z              | Revision of Monitoring Device in Bladder, Open Approach    | 112                | Other OR therapeu          |
| 10                    | 0TWB03Z              | Revision of Infusion Device in Bladder, Open Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB07Z              | Revision of Autol Sub in Bladder, Open Approach            | 112                | Other OR therapeu          |
| 10                    | 0TWB0CZ              | Revision of Extraluminal Device in Bladder, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TWB0DZ              | Revision of Intraluminal Device in Bladder, Open Approach  | 112                | Other OR therapeu          |
| 10                    | 0TWB0JZ              | Revision of Synthetic Substitute in Bladder, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB0KZ              | Revision of Nonaot Sub in Bladder, Open Approach           | 112                | Other OR therapeu          |
| 10                    | 0TWB0LZ              | Revision of Artificial Sphincter in Bladder, Open Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB0MZ              | Revision of Stimulator Lead in Bladder, Open Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB30Z              | Revision of Drainage Device in Bladder, Perc Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB32Z              | Revision of Monitoring Device in Bladder, Perc Approach    | 112                | Other OR therapeu          |
| 10                    | 0TWB33Z              | Revision of Infusion Device in Bladder, Perc Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB37Z              | Revision of Autol Sub in Bladder, Perc Approach            | 112                | Other OR therapeu          |
| 10                    | 0TWB3CZ              | Revision of Extraluminal Device in Bladder, Perc Approach  | 112                | Other OR therapeu          |
| 10                    | 0TWB3DZ              | Revision of Intraluminal Device in Bladder, Perc Approach  | 112                | Other OR therapeu          |
| 10                    | 0TWB3JZ              | Revision of Synthetic Substitute in Bladder, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB3KZ              | Revision of Nonaot Sub in Bladder, Perc Approach           | 112                | Other OR therapeu          |
| 10                    | 0TWB3LZ              | Revision of Artificial Sphincter in Bladder, Perc Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB3MZ              | Revision of Stimulator Lead in Bladder, Perc Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB40Z              | Revision of Drainage Device in Bladder, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB42Z              | Revision of Monitoring Device in Bladder, Perc Endo Appra  | 112                | Other OR therapeu          |
| 10                    | 0TWB43Z              | Revision of Infusion Device in Bladder, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB47Z              | Revision of Autol Sub in Bladder, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TWB4CZ              | Revision of Extralum Dev in Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TWB4DZ              | Revision of Intralum Dev in Bladder, Perc Endo Approach    | 112                | Other OR therapeu          |
| 10                    | 0TWB4JZ              | Revision of Synth Sub in Bladder, Perc Endo Approach       | 112                | Other OR therapeu          |
| 10                    | 0TWB4KZ              | Revision of Nonaot Sub in Bladder, Perc Endo Approach      | 112                | Other OR therapeu          |
| 10                    | 0TWB4LZ              | Revision of Artif Sphincter in Bladder, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB4MZ              | Revision of Stimulator Lead in Bladder, Perc Endo Approach | 112                | Other OR therapeu          |
| 10                    | 0TWB70Z              | Revision of Drainage Device in Bladder, Via Opening        | 112                | Other OR therapeu          |
| 10                    | 0TWB72Z              | Revision of Monitoring Device in Bladder, Via Opening      | 112                | Other OR therapeu          |
| 10                    | 0TWB73Z              | Revision of Infusion Device in Bladder, Via Opening        | 112                | Other OR therapeu          |
| 10                    | 0TWB77Z              | Revision of Autol Sub in Bladder, Via Opening              | 112                | Other OR therapeu          |
| 10                    | 0TWB7CZ              | Revision of Extraluminal Device in Bladder, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TWB7DZ              | Revision of Intraluminal Device in Bladder, Via Opening    | 112                | Other OR therapeu          |
| 10                    | 0TWB7JZ              | Revision of Synthetic Substitute in Bladder, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TWB7KZ              | Revision of Nonaot Sub in Bladder, Via Opening             | 112                | Other OR therapeu          |
| 10                    | 0TWB7LZ              | Revision of Artificial Sphincter in Bladder, Via Opening   | 112                | Other OR therapeu          |
| 10                    | 0TWB7MZ              | Revision of Stimulator Lead in Bladder, Via Opening        | 112                | Other OR therapeu          |
| 10                    | 0TWB80Z              | Revision of Drainage Device in Bladder, Endo               | 112                | Other OR therapeu          |
| 10                    | 0TWB82Z              | Revision of Monitoring Device in Bladder, Endo             | 112                | Other OR therapeu          |
| 10                    | 0TWB83Z              | Revision of Infusion Device in Bladder, Endo               | 112                | Other OR therapeu          |
| 10                    | 0TWB87Z              | Revision of Autologous Tissue Substitute in Bladder, Endo  | 112                | Other OR therapeu          |
| 10                    | 0TWB8CZ              | Revision of Extraluminal Device in Bladder, Endo           | 112                | Other OR therapeu          |
| 10                    | 0TWB8DZ              | Revision of Intraluminal Device in Bladder, Endo           | 112                | Other OR therapeu          |
| 10                    | 0TWB8JZ              | Revision of Synthetic Substitute in Bladder, Endo          | 112                | Other OR therapeu          |
| 10                    | 0TWB8KZ              | Revision of Nonaotologous Tissue Substitute in Bladder, En | 112                | Other OR therapeu          |
| 10                    | 0TWB8LZ              | Revision of Artificial Sphincter in Bladder, Endo          | 112                | Other OR therapeu          |
| 10                    | 0TWB8MZ              | Revision of Stimulator Lead in Bladder, Endo               | 112                | Other OR therapeu          |
| 10                    | 0TWD00Z              | Revision of Drainage Device in Urethra, Open Approach      | 109                | Procedures on the          |
| 10                    | 0TWD02Z              | Revision of Monitoring Device in Urethra, Open Approach    | 109                | Procedures on the          |
| 10                    | 0TWD03Z              | Revision of Infusion Device in Urethra, Open Approach      | 109                | Procedures on the          |
| 10                    | 0TWD07Z              | Revision of Autol Sub in Urethra, Open Approach            | 109                | Procedures on the          |
| 10                    | 0TWD0CZ              | Revision of Extraluminal Device in Urethra, Open Approach  | 109                | Procedures on the          |
| 10                    | 0TWD0DZ              | Revision of Intraluminal Device in Urethra, Open Approach  | 109                | Procedures on the          |
| 10                    | 0TWD0JZ              | Revision of Synthetic Substitute in Urethra, Open Approach | 109                | Procedures on the          |
| 10                    | 0TWD0KZ              | Revision of Nonaot Sub in Urethra, Open Approach           | 109                | Procedures on the          |
| 10                    | 0TWD0LZ              | Revision of Artificial Sphincter in Urethra, Open Approach | 109                | Procedures on the          |
| 10                    | 0TWD30Z              | Revision of Drainage Device in Urethra, Perc Approach      | 109                | Procedures on the          |
| 10                    | 0TWD32Z              | Revision of Monitoring Device in Urethra, Perc Approach    | 109                | Procedures on the          |
| 10                    | 0TWD33Z              | Revision of Infusion Device in Urethra, Perc Approach      | 109                | Procedures on the          |
| 10                    | 0TWD37Z              | Revision of Autol Sub in Urethra, Perc Approach            | 109                | Procedures on the          |
| 10                    | 0TWD3CZ              | Revision of Extraluminal Device in Urethra, Perc Approach  | 109                | Procedures on the          |
| 10                    | 0TWD3DZ              | Revision of Intraluminal Device in Urethra, Perc Approach  | 109                | Procedures on the          |
| 10                    | 0TWD3JZ              | Revision of Synthetic Substitute in Urethra, Perc Approach | 109                | Procedures on the          |
| 10                    | 0TWD3KZ              | Revision of Nonaot Sub in Urethra, Perc Approach           | 109                | Procedures on the          |
| 10                    | 0TWD3LZ              | Revision of Artificial Sphincter in Urethra, Perc Approach | 109                | Procedures on the          |
| 10                    | 0TWD40Z              | Revision of Drainage Device in Urethra, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TWD42Z              | Revision of Monitoring Device in Urethra, Perc Endo Appra  | 109                | Procedures on the          |
| 10                    | 0TWD43Z              | Revision of Infusion Device in Urethra, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TWD47Z              | Revision of Autol Sub in Urethra, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TWD4CZ              | Revision of Extralum Dev in Urethra, Perc Endo Approach    | 109                | Procedures on the          |
| 10                    | 0TWD4DZ              | Revision of Intralum Dev in Urethra, Perc Endo Approach    | 109                | Procedures on the          |
| 10                    | 0TWD4JZ              | Revision of Synth Sub in Urethra, Perc Endo Approach       | 109                | Procedures on the          |
| 10                    | 0TWD4KZ              | Revision of Nonaot Sub in Urethra, Perc Endo Approach      | 109                | Procedures on the          |
| 10                    | 0TWD4LZ              | Revision of Artif Sphincter in Urethra, Perc Endo Approach | 109                | Procedures on the          |
| 10                    | 0TWD70Z              | Revision of Drainage Device in Urethra, Via Opening        | 109                | Procedures on the          |
| 10                    | 0TWD72Z              | Revision of Monitoring Device in Urethra, Via Opening      | 109                | Procedures on the          |
| 10                    | 0TWD73Z              | Revision of Infusion Device in Urethra, Via Opening        | 109                | Procedures on the          |
| 10                    | 0TWD77Z              | Revision of Autol Sub in Urethra, Via Opening              | 109                | Procedures on the          |
| 10                    | 0TWD7CZ              | Revision of Extraluminal Device in Urethra, Via Opening    | 109                | Procedures on the          |
| 10                    | 0TWD7DZ              | Revision of Intraluminal Device in Urethra, Via Opening    | 109                | Procedures on the          |
| 10                    | 0TWD7JZ              | Revision of Synthetic Substitute in Urethra, Via Opening   | 109                | Procedures on the          |
| 10                    | 0TWD7KZ              | Revision of Nonaot Sub in Urethra, Via Opening             | 109                | Procedures on the          |
| 10                    | 0TWD7LZ              | Revision of Artificial Sphincter in Urethra, Via Opening   | 109                | Procedures on the          |
| 10                    | 0TWD80Z              | Revision of Drainage Device in Urethra, Endo               | 109                | Procedures on the          |
| 10                    | 0TWD82Z              | Revision of Monitoring Device in Urethra, Endo             | 109                | Procedures on the          |
| 10                    | 0TWD83Z              | Revision of Infusion Device in Urethra, Endo               | 109                | Procedures on the          |
| 10                    | 0TWD87Z              | Revision of Autologous Tissue Substitute in Urethra, Endo  | 109                | Procedures on the          |
| 10                    | 0TWD8CZ              | Revision of Extraluminal Device in Urethra, Endo           | 109                | Procedures on the          |
| 10                    | 0TWD8DZ              | Revision of Intraluminal Device in Urethra, Endo           | 109                | Procedures on the          |
| 10                    | 0TWD8JZ              | Revision of Synthetic Substitute in Urethra, Endo          | 109                | Procedures on the          |
| 10                    | 0TWD8KZ              | Revision of Nonaotologous Tissue Substitute in Urethra, En | 109                | Procedures on the          |
| 10                    | 0TWD8LZ              | Revision of Artificial Sphincter in Urethra, Endo          | 109                | Procedures on the          |
| 10                    | 0TY020               | Transplantation of Right Kidney, Allogeneic, Open Approach | 105                | Kidney transplant          |
| 10                    | 0TY021               | Transplantation of Right Kidney, Syngeneic, Open Approach  | 105                | Kidney transplant          |
| 10                    | 0TY022               | Transplantation of Right Kidney, Zooplastic, Open Approach | 105                | Kidney transplant          |
| 10                    | 0TY1020              | Transplantation of Left Kidney, Allogeneic, Open Approach  | 105                | Kidney transplant          |
| 10                    | 0TY1021              | Transplantation of Left Kidney, Syngeneic, Open Approach   | 105                | Kidney transplant          |
| 10                    | 0TY1022              | Transplantation of Left Kidney, Zooplastic, Open Approach  | 105                | Kidney transplant          |
| 10                    | 0U500Z               | Destruction of Right Ovary, Open Approach                  | 120                | Other operations           |
| 10                    | 0U503Z               | Destruction of Right Ovary, Percutaneous Approach          | 120                | Other operations           |
| 10                    | 0U504Z               | Destruction of Right Ovary, Percutaneous Endoscopic Approa | 120                | Other operations           |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0U510ZZ              | Destruction of Left Ovary, Open Approach                     | 120                | Other operations           |
| 10                    | 0U513ZZ              | Destruction of Left Ovary, Percutaneous Approach             | 120                | Other operations           |
| 10                    | 0U514ZZ              | Destruction of Left Ovary, Percutaneous Endoscopic Approach  | 120                | Other operations           |
| 10                    | 0U520ZZ              | Destruction of Bilateral Ovaries, Open Approach              | 120                | Other operations           |
| 10                    | 0U523ZZ              | Destruction of Bilateral Ovaries, Percutaneous Approach      | 120                | Other operations           |
| 10                    | 0U524ZZ              | Destruction of Bilateral Ovaries, Perc Endo Approach         | 120                | Other operations           |
| 10                    | 0U5F0ZZ              | Destruction of Cul-de-sac, Open Approach                     | 132                | Other OR therapist         |
| 10                    | 0U5F3ZZ              | Destruction of Cul-de-sac, Percutaneous Approach             | 132                | Other OR therapist         |
| 10                    | 0U5F4ZZ              | Destruction of Cul-de-sac, Percutaneous Endoscopic Approach  | 132                | Other OR therapist         |
| 10                    | 0U5F7ZZ              | Destruction of Cul-de-sac, Via Natural or Artificial Opening | 132                | Other OR therapist         |
| 10                    | 0U5F8ZZ              | Destruction of Cul-de-sac, Endo                              | 132                | Other OR therapist         |
| 10                    | 0U5G0ZZ              | Destruction of Vagina, Open Approach                         | 132                | Other OR therapist         |
| 10                    | 0U5G3ZZ              | Destruction of Vagina, Percutaneous Approach                 | 132                | Other OR therapist         |
| 10                    | 0U5G4ZZ              | Destruction of Vagina, Percutaneous Endoscopic Approach      | 132                | Other OR therapist         |
| 10                    | 0U5G7ZZ              | Destruction of Vagina, Via Natural or Artificial Opening     | 132                | Other OR therapist         |
| 10                    | 0U5G8ZZ              | Destruction of Vagina, Endo                                  | 132                | Other OR therapist         |
| 10                    | 0U5GXZZ              | Destruction of Vagina, External Approach                     | 132                | Other OR therapist         |
| 10                    | 0U5J0ZZ              | Destruction of Clitoris, Open Approach                       | 132                | Other OR therapist         |
| 10                    | 0U5JXZZ              | Destruction of Clitoris, External Approach                   | 132                | Other OR therapist         |
| 10                    | 0U5K0ZZ              | Destruction of Hymen, Open Approach                          | 132                | Other OR therapist         |
| 10                    | 0U5K3ZZ              | Destruction of Hymen, Percutaneous Approach                  | 132                | Other OR therapist         |
| 10                    | 0U5K4ZZ              | Destruction of Hymen, Percutaneous Endoscopic Approach       | 132                | Other OR therapist         |
| 10                    | 0U5K7ZZ              | Destruction of Hymen, Via Natural or Artificial Opening      | 132                | Other OR therapist         |
| 10                    | 0U5K8ZZ              | Destruction of Hymen, Endo                                   | 132                | Other OR therapist         |
| 10                    | 0U5KXZZ              | Destruction of Hymen, External Approach                      | 132                | Other OR therapist         |
| 10                    | 0U5L0ZZ              | Destruction of Vestibular Gland, Open Approach               | 132                | Other OR therapist         |
| 10                    | 0U5LXZZ              | Destruction of Vestibular Gland, External Approach           | 132                | Other OR therapist         |
| 10                    | 0U5M0ZZ              | Destruction of Vulva, Open Approach                          | 132                | Other OR therapist         |
| 10                    | 0U5MXZZ              | Destruction of Vulva, External Approach                      | 132                | Other OR therapist         |
| 10                    | 0U7900Z              | Dilation of Uterus with Intraluminal Device, Open Approach   | 132                | Other OR therapist         |
| 10                    | 0U790ZZ              | Dilation of Uterus, Open Approach                            | 132                | Other OR therapist         |
| 10                    | 0U7930Z              | Dilation of Uterus with Intraluminal Device, Perc Approach   | 132                | Other OR therapist         |
| 10                    | 0U793ZZ              | Dilation of Uterus, Percutaneous Approach                    | 132                | Other OR therapist         |
| 10                    | 0U7940Z              | Dilation of Uterus with Intralum Dev, Perc Endo Approach     | 132                | Other OR therapist         |
| 10                    | 0U794ZZ              | Dilation of Uterus, Percutaneous Endoscopic Approach         | 132                | Other OR therapist         |
| 10                    | 0U7970Z              | Dilation of Uterus with Intraluminal Device, Via Opening     | 132                | Other OR therapist         |
| 10                    | 0U797ZZ              | Dilation of Uterus, Via Natural or Artificial Opening        | 132                | Other OR therapist         |
| 10                    | 0U7980Z              | Dilation of Uterus with Intraluminal Device, Endo            | 132                | Other OR therapist         |
| 10                    | 0U798ZZ              | Dilation of Uterus, Endo                                     | 132                | Other OR therapist         |
| 10                    | 0U7G00Z              | Dilation of Vagina with Intraluminal Device, Open Approach   | 132                | Other OR therapist         |
| 10                    | 0U7G0ZZ              | Dilation of Vagina, Open Approach                            | 132                | Other OR therapist         |
| 10                    | 0U7G30Z              | Dilation of Vagina with Intraluminal Device, Perc Approach   | 132                | Other OR therapist         |
| 10                    | 0U7G3ZZ              | Dilation of Vagina, Percutaneous Approach                    | 132                | Other OR therapist         |
| 10                    | 0U7G40Z              | Dilation of Vagina with Intralum Dev, Perc Endo Approach     | 132                | Other OR therapist         |
| 10                    | 0U7G4ZZ              | Dilation of Vagina, Percutaneous Endoscopic Approach         | 132                | Other OR therapist         |
| 10                    | 0U7K00Z              | Dilation of Hymen with Intraluminal Device, Open Approach    | 132                | Other OR therapist         |
| 10                    | 0U7K0ZZ              | Dilation of Hymen, Open Approach                             | 132                | Other OR therapist         |
| 10                    | 0U7K30Z              | Dilation of Hymen with Intraluminal Device, Perc Approach    | 132                | Other OR therapist         |
| 10                    | 0U7K3ZZ              | Dilation of Hymen, Percutaneous Approach                     | 132                | Other OR therapist         |
| 10                    | 0U7K40Z              | Dilation of Hymen with Intralum Dev, Perc Endo Approach      | 132                | Other OR therapist         |
| 10                    | 0U7K4ZZ              | Dilation of Hymen, Percutaneous Endoscopic Approach          | 132                | Other OR therapist         |
| 10                    | 0U7K70Z              | Dilation of Hymen with Intraluminal Device, Via Opening      | 132                | Other OR therapist         |
| 10                    | 0U7K7ZZ              | Dilation of Hymen, Via Natural or Artificial Opening         | 132                | Other OR therapist         |
| 10                    | 0U7K80Z              | Dilation of Hymen with Intraluminal Device, Endo             | 132                | Other OR therapist         |
| 10                    | 0U7K8ZZ              | Dilation of Hymen, Endo                                      | 132                | Other OR therapist         |
| 10                    | 0U7KXDZ              | Dilation of Hymen with Intraluminal Device, Extern Approach  | 132                | Other OR therapist         |
| 10                    | 0U7KXZZ              | Dilation of Hymen, External Approach                         | 132                | Other OR therapist         |
| 10                    | 0U800ZZ              | Division of Right Ovary, Open Approach                       | 120                | Other operations           |
| 10                    | 0U803ZZ              | Division of Right Ovary, Percutaneous Approach               | 120                | Other operations           |
| 10                    | 0U804ZZ              | Division of Right Ovary, Percutaneous Endoscopic Approach    | 120                | Other operations           |
| 10                    | 0U810ZZ              | Division of Left Ovary, Open Approach                        | 120                | Other operations           |
| 10                    | 0U813ZZ              | Division of Left Ovary, Percutaneous Approach                | 120                | Other operations           |
| 10                    | 0U814ZZ              | Division of Left Ovary, Percutaneous Endoscopic Approach     | 120                | Other operations           |
| 10                    | 0U820ZZ              | Division of Bilateral Ovaries, Open Approach                 | 120                | Other operations           |
| 10                    | 0U823ZZ              | Division of Bilateral Ovaries, Percutaneous Approach         | 120                | Other operations           |
| 10                    | 0U824ZZ              | Division of Bilateral Ovaries, Perc Endo Approach            | 120                | Other operations           |
| 10                    | 0U840ZZ              | Division of Uterine Supporting Structure, Open Approach      | 132                | Other OR therapist         |
| 10                    | 0U843ZZ              | Division of Uterine Supporting Structure, Perc Approach      | 132                | Other OR therapist         |
| 10                    | 0U844ZZ              | Division of Uterine Supporting Structure, Perc Endo Approach | 132                | Other OR therapist         |
| 10                    | 0U9000Z              | Drainage of Right Ovary with Drainage Device, Open Approach  | 120                | Other operations           |
| 10                    | 0U900ZZ              | Drainage of Right Ovary, Open Approach                       | 120                | Other operations           |
| 10                    | 0U9030Z              | Drainage of Right Ovary with Drainage Device, Perc Approach  | 120                | Other operations           |
| 10                    | 0U903ZZ              | Drainage of Right Ovary, Percutaneous Approach               | 120                | Other operations           |
| 10                    | 0U9040Z              | Drainage of Right Ovary with Drain Dev, Perc Endo Approach   | 120                | Other operations           |
| 10                    | 0U904ZZ              | Drainage of Right Ovary, Percutaneous Endoscopic Approach    | 120                | Other operations           |
| 10                    | 0U90XZZ              | Drainage of Right Ovary, External Approach                   | 120                | Other operations           |
| 10                    | 0U9100Z              | Drainage of Left Ovary with Drainage Device, Open Approach   | 120                | Other operations           |
| 10                    | 0U910ZZ              | Drainage of Left Ovary, Open Approach                        | 120                | Other operations           |
| 10                    | 0U9130Z              | Drainage of Left Ovary with Drainage Device, Perc Approach   | 120                | Other operations           |
| 10                    | 0U913ZZ              | Drainage of Left Ovary, Percutaneous Approach                | 120                | Other operations           |
| 10                    | 0U9140Z              | Drainage of Left Ovary with Drain Dev, Perc Endo Approach    | 120                | Other operations           |
| 10                    | 0U914ZZ              | Drainage of Left Ovary, Percutaneous Endoscopic Approach     | 120                | Other operations           |
| 10                    | 0U91XZZ              | Drainage of Left Ovary, External Approach                    | 120                | Other operations           |
| 10                    | 0U9200Z              | Drainage of Bilateral Ovaries with Drain Dev, Open Approach  | 120                | Other operations           |
| 10                    | 0U920ZZ              | Drainage of Bilateral Ovaries, Open Approach                 | 120                | Other operations           |
| 10                    | 0U9230Z              | Drainage of Bilateral Ovaries with Drain Dev, Perc Approach  | 120                | Other operations           |
| 10                    | 0U923ZZ              | Drainage of Bilateral Ovaries, Percutaneous Approach         | 120                | Other operations           |
| 10                    | 0U9240Z              | Drainage of Bi Ovary with Drain Dev, Perc Endo Approach      | 120                | Other operations           |
| 10                    | 0U924ZZ              | Drainage of Bilateral Ovaries, Perc Endo Approach            | 120                | Other operations           |
| 10                    | 0U92XZZ              | Drainage of Bilateral Ovaries, External Approach             | 120                | Other operations           |
| 10                    | 0U9400Z              | Drain Uterine Support Struct w Drain Dev, Open               | 132                | Other OR therapist         |
| 10                    | 0U940ZZ              | Drainage of Uterine Supporting Structure, Open Approach      | 132                | Other OR therapist         |
| 10                    | 0U9440Z              | Drain Uterine Support Struct w Drain Dev, Perc Endo          | 132                | Other OR therapist         |
| 10                    | 0U944ZZ              | Drainage of Uterine Supporting Structure, Perc Endo Approach | 132                | Other OR therapist         |
| 10                    | 0U9900Z              | Drainage of Uterus with Drainage Device, Open Approach       | 132                | Other OR therapist         |
| 10                    | 0U990ZZ              | Drainage of Uterus, Open Approach                            | 132                | Other OR therapist         |
| 10                    | 0U9940Z              | Drainage of Uterus with Drainage Device, Perc Endo Approach  | 132                | Other OR therapist         |
| 10                    | 0U994ZZ              | Drainage of Uterus, Percutaneous Endoscopic Approach         | 132                | Other OR therapist         |
| 10                    | 0U9970Z              | Drainage of Uterus with Drainage Device, Via Opening         | 132                | Other OR therapist         |
| 10                    | 0U997ZZ              | Drainage of Uterus, Via Natural or Artificial Opening        | 132                | Other OR therapist         |
| 10                    | 0U9980Z              | Drainage of Uterus with Drainage Device, Endo                | 132                | Other OR therapist         |
| 10                    | 0U998ZZ              | Drainage of Uterus, Endo                                     | 132                | Other OR therapist         |
| 10                    | 0U9C00Z              | Drainage of Cervix with Drainage Device, Open Approach       | 132                | Other OR therapist         |
| 10                    | 0U9C0ZZ              | Drainage of Cervix, Open Approach                            | 132                | Other OR therapist         |
| 10                    | 0U9C40Z              | Drainage of Cervix with Drainage Device, Perc Endo Approach  | 132                | Other OR therapist         |
| 10                    | 0U9C4ZZ              | Drainage of Cervix, Percutaneous Endoscopic Approach         | 132                | Other OR therapist         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0U9C70Z              | Drainage of Cervix with Drainage Device, Via Opening        | 132                | Other OR therapeu         |
| 10                    | 0U9C72Z              | Drainage of Cervix, Via Natural or Artificial Opening       | 132                | Other OR therapeu         |
| 10                    | 0U9C80Z              | Drainage of Cervix with Drainage Device, Endo               | 132                | Other OR therapeu         |
| 10                    | 0U9C82Z              | Drainage of Cervix, Endo                                    | 132                | Other OR therapeu         |
| 10                    | 0U9F00Z              | Drainage of Cul-de-sac with Drainage Device, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0U9F02Z              | Drainage of Cul-de-sac, Open Approach                       | 132                | Other OR therapeu         |
| 10                    | 0U9F70Z              | Drainage of Cul-de-sac with Drainage Device, Via Opening    | 132                | Other OR therapeu         |
| 10                    | 0U9F72Z              | Drainage of Cul-de-sac, Via Natural or Artificial Opening   | 132                | Other OR therapeu         |
| 10                    | 0U9F80Z              | Drainage of Cul-de-sac with Drainage Device, Endo           | 132                | Other OR therapeu         |
| 10                    | 0U9F82Z              | Drainage of Cul-de-sac, Endo                                | 132                | Other OR therapeu         |
| 10                    | 0U9G00Z              | Drainage of Vagina with Drainage Device, Open Approach      | 132                | Other OR therapeu         |
| 10                    | 0U9G02Z              | Drainage of Vagina, Open Approach                           | 132                | Other OR therapeu         |
| 10                    | 0U9G40Z              | Drainage of Vagina with Drainage Device, Perc Endo Approach | 132                | Other OR therapeu         |
| 10                    | 0U9G42Z              | Drainage of Vagina, Percutaneous Endoscopic Approach        | 132                | Other OR therapeu         |
| 10                    | 0U9G70Z              | Drainage of Vagina with Drainage Device, Via Opening        | 132                | Other OR therapeu         |
| 10                    | 0U9G72Z              | Drainage of Vagina, Via Natural or Artificial Opening       | 132                | Other OR therapeu         |
| 10                    | 0U9G80Z              | Drainage of Vagina with Drainage Device, Endo               | 132                | Other OR therapeu         |
| 10                    | 0U9G82Z              | Drainage of Vagina, Endo                                    | 132                | Other OR therapeu         |
| 10                    | 0U9X00Z              | Drainage of Vagina with Drainage Device, External Approach  | 132                | Other OR therapeu         |
| 10                    | 0U9X02Z              | Drainage of Vagina, External Approach                       | 132                | Other OR therapeu         |
| 10                    | 0U9J00Z              | Drainage of Clitoris with Drainage Device, Open Approach    | 132                | Other OR therapeu         |
| 10                    | 0U9J02Z              | Drainage of Clitoris, Open Approach                         | 132                | Other OR therapeu         |
| 10                    | 0U9JX0Z              | Drainage of Clitoris with Drainage Device, External Approa  | 132                | Other OR therapeu         |
| 10                    | 0U9JX2Z              | Drainage of Clitoris, External Approach                     | 132                | Other OR therapeu         |
| 10                    | 0U9M00Z              | Drainage of Vulva with Drainage Device, Open Approach       | 132                | Other OR therapeu         |
| 10                    | 0U9M02Z              | Drainage of Vulva, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0U9MX0Z              | Drainage of Vulva with Drainage Device, External Approach   | 132                | Other OR therapeu         |
| 10                    | 0U9MX2Z              | Drainage of Vulva, External Approach                        | 132                | Other OR therapeu         |
| 10                    | 0UB00Z               | Excision of Right Ovary, Open Approach                      | 120                | Other operations          |
| 10                    | 0UB03Z               | Excision of Right Ovary, Percutaneous Approach              | 120                | Other operations          |
| 10                    | 0UB04Z               | Excision of Right Ovary, Percutaneous Endoscopic Approach   | 120                | Other operations          |
| 10                    | 0UB07Z               | Excision of Right Ovary, Via Natural or Artificial Opening  | 120                | Other operations          |
| 10                    | 0UB08Z               | Excision of Right Ovary, Endo                               | 120                | Other operations          |
| 10                    | 0UB10Z               | Excision of Left Ovary, Open Approach                       | 120                | Other operations          |
| 10                    | 0UB13Z               | Excision of Left Ovary, Percutaneous Approach               | 120                | Other operations          |
| 10                    | 0UB14Z               | Excision of Left Ovary, Percutaneous Endoscopic Approach    | 120                | Other operations          |
| 10                    | 0UB17Z               | Excision of Left Ovary, Via Natural or Artificial Opening   | 120                | Other operations          |
| 10                    | 0UB18Z               | Excision of Left Ovary, Endo                                | 120                | Other operations          |
| 10                    | 0UB20Z               | Excision of Bilateral Ovaries, Open Approach                | 120                | Other operations          |
| 10                    | 0UB23Z               | Excision of Bilateral Ovaries, Percutaneous Approach        | 120                | Other operations          |
| 10                    | 0UB24Z               | Excision of Bilateral Ovaries, Perc Endo Approach           | 120                | Other operations          |
| 10                    | 0UB27Z               | Excision of Bilateral Ovaries, Via Opening                  | 120                | Other operations          |
| 10                    | 0UB28Z               | Excision of Bilateral Ovaries, Endo                         | 120                | Other operations          |
| 10                    | 0UBF0Z               | Excision of Cul-de-sac, Open Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UBF3Z               | Excision of Cul-de-sac, Percutaneous Approach               | 132                | Other OR therapeu         |
| 10                    | 0UBF4Z               | Excision of Cul-de-sac, Percutaneous Endoscopic Approach    | 132                | Other OR therapeu         |
| 10                    | 0UBF7Z               | Excision of Cul-de-sac, Via Natural or Artificial Opening   | 132                | Other OR therapeu         |
| 10                    | 0UBF8Z               | Excision of Cul-de-sac, Endo                                | 132                | Other OR therapeu         |
| 10                    | 0UBG0Z               | Excision of Vagina, Open Approach                           | 132                | Other OR therapeu         |
| 10                    | 0UBG3Z               | Excision of Vagina, Percutaneous Approach                   | 132                | Other OR therapeu         |
| 10                    | 0UBG4Z               | Excision of Vagina, Percutaneous Endoscopic Approach        | 132                | Other OR therapeu         |
| 10                    | 0UBG7Z               | Excision of Vagina, Via Natural or Artificial Opening       | 132                | Other OR therapeu         |
| 10                    | 0UBG8Z               | Excision of Vagina, Endo                                    | 132                | Other OR therapeu         |
| 10                    | 0UBGXZ               | Excision of Vagina, External Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UBJ0Z               | Excision of Clitoris, Open Approach                         | 132                | Other OR therapeu         |
| 10                    | 0UBJXZ               | Excision of Clitoris, External Approach                     | 132                | Other OR therapeu         |
| 10                    | 0UBK0Z               | Excision of Hymen, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0UBK3Z               | Excision of Hymen, Percutaneous Approach                    | 132                | Other OR therapeu         |
| 10                    | 0UBK4Z               | Excision of Hymen, Percutaneous Endoscopic Approach         | 132                | Other OR therapeu         |
| 10                    | 0UBK7Z               | Excision of Hymen, Via Natural or Artificial Opening        | 132                | Other OR therapeu         |
| 10                    | 0UBK8Z               | Excision of Hymen, Endo                                     | 132                | Other OR therapeu         |
| 10                    | 0UBKXZ               | Excision of Hymen, External Approach                        | 132                | Other OR therapeu         |
| 10                    | 0UBL0Z               | Excision of Vestibular Gland, Open Approach                 | 132                | Other OR therapeu         |
| 10                    | 0UBLXZ               | Excision of Vestibular Gland, External Approach             | 132                | Other OR therapeu         |
| 10                    | 0UBM0Z               | Excision of Vulva, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0UBMXZ               | Excision of Vulva, External Approach                        | 132                | Other OR therapeu         |
| 10                    | 0UC00Z               | Extirpation of Matter from Right Ovary, Open Approach       | 120                | Other operations          |
| 10                    | 0UC03Z               | Extirpation of Matter from Right Ovary, Perc Approach       | 120                | Other operations          |
| 10                    | 0UC04Z               | Extirpation of Matter from Right Ovary, Perc Endo Approach  | 120                | Other operations          |
| 10                    | 0UC10Z               | Extirpation of Matter from Left Ovary, Open Approach        | 120                | Other operations          |
| 10                    | 0UC13Z               | Extirpation of Matter from Left Ovary, Percutaneous Approa  | 120                | Other operations          |
| 10                    | 0UC14Z               | Extirpation of Matter from Left Ovary, Perc Endo Approach   | 120                | Other operations          |
| 10                    | 0UC20Z               | Extirpation of Matter from Bilateral Ovaries, Open Approach | 120                | Other operations          |
| 10                    | 0UC23Z               | Extirpation of Matter from Bilateral Ovaries, Perc Approach | 120                | Other operations          |
| 10                    | 0UC24Z               | Extirpation of Matter from Bi Ovary, Perc Endo Approach     | 120                | Other operations          |
| 10                    | 0UC40Z               | Extirpate matter from Uterine Support Struct, Open          | 132                | Other OR therapeu         |
| 10                    | 0UC43Z               | Extirpate matter from Uterine Support Struct, Perc          | 132                | Other OR therapeu         |
| 10                    | 0UC44Z               | Extirpate matter from Uterine Support Struct, Perc Endo     | 132                | Other OR therapeu         |
| 10                    | 0UC90Z               | Extirpation of Matter from Uterus, Open Approach            | 132                | Other OR therapeu         |
| 10                    | 0UC93Z               | Extirpation of Matter from Uterus, Percutaneous Approach    | 132                | Other OR therapeu         |
| 10                    | 0UC94Z               | Extirpation of Matter from Uterus, Perc Endo Approach       | 132                | Other OR therapeu         |
| 10                    | 0UCB0Z               | Extirpation of Matter from Endometrium, Open Approach       | 132                | Other OR therapeu         |
| 10                    | 0UCB3Z               | Extirpation of Matter from Endometrium, Perc Approach       | 132                | Other OR therapeu         |
| 10                    | 0UCB4Z               | Extirpation of Matter from Endometrium, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | 0UCB7Z               | Extirpation of Matter from Endometrium, Via Opening         | 132                | Other OR therapeu         |
| 10                    | 0UCB8Z               | Extirpation of Matter from Endometrium, Endo                | 132                | Other OR therapeu         |
| 10                    | 0UCC0Z               | Extirpation of Matter from Cervix, Open Approach            | 132                | Other OR therapeu         |
| 10                    | 0UCC3Z               | Extirpation of Matter from Cervix, Percutaneous Approach    | 132                | Other OR therapeu         |
| 10                    | 0UCC4Z               | Extirpation of Matter from Cervix, Perc Endo Approach       | 132                | Other OR therapeu         |
| 10                    | 0UCC7Z               | Extirpation of Matter from Cervix, Via Opening              | 132                | Other OR therapeu         |
| 10                    | 0UCC8Z               | Extirpation of Matter from Cervix, Endo                     | 132                | Other OR therapeu         |
| 10                    | 0UCF0Z               | Extirpation of Matter from Cul-de-sac, Open Approach        | 132                | Other OR therapeu         |
| 10                    | 0UCF3Z               | Extirpation of Matter from Cul-de-sac, Percutaneous Approa  | 132                | Other OR therapeu         |
| 10                    | 0UCF4Z               | Extirpation of Matter from Cul-de-sac, Perc Endo Approach   | 132                | Other OR therapeu         |
| 10                    | 0UCF7Z               | Extirpation of Matter from Cul-de-sac, Via Opening          | 132                | Other OR therapeu         |
| 10                    | 0UCF8Z               | Extirpation of Matter from Cul-de-sac, Endo                 | 132                | Other OR therapeu         |
| 10                    | 0UCG0Z               | Extirpation of Matter from Vagina, Open Approach            | 132                | Other OR therapeu         |
| 10                    | 0UCG3Z               | Extirpation of Matter from Vagina, Percutaneous Approach    | 132                | Other OR therapeu         |
| 10                    | 0UCG4Z               | Extirpation of Matter from Vagina, Perc Endo Approach       | 132                | Other OR therapeu         |
| 10                    | 0UCI0Z               | Extirpation of Matter from Clitoris, Open Approach          | 132                | Other OR therapeu         |
| 10                    | 0UCJXZ               | Extirpation of Matter from Clitoris, External Approach      | 132                | Other OR therapeu         |
| 10                    | 0UCL0Z               | Extirpation of Matter from Vestibular Gland, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0UCLXZ               | Extirpation of Matter from Vestibular Gland, Extern Approa  | 132                | Other OR therapeu         |
| 10                    | 0UCM0Z               | Extirpation of Matter from Vulva, Open Approach             | 132                | Other OR therapeu         |
| 10                    | 0UDB7Z               | Extraction of Endometrium, Via Natural or Artificial Openi  | 132                | Other OR therapeu         |
| 10                    | 0UDB8Z               | Extraction of Endometrium, Endo                             | 132                | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 0UDN0ZZ              | Extraction of Ova, Open                                     | 120                | Other operations           |
| 10                    | 0UDN3ZZ              | Extraction of Ova, Percutaneous                             | 120                | Other operations           |
| 10                    | 0UDN4ZZ              | Extraction of Ova, Percutaneous Endoscopic                  | 120                | Other operations           |
| 10                    | 0UF90ZZ              | Fragmentation in Uterus, Open Approach                      | 132                | Other OR therapeu          |
| 10                    | 0UF93ZZ              | Fragmentation in Uterus, Percutaneous Approach              | 132                | Other OR therapeu          |
| 10                    | 0UF94ZZ              | Fragmentation in Uterus, Percutaneous Endoscopic Approach   | 132                | Other OR therapeu          |
| 10                    | 0UF97ZZ              | Fragmentation in Uterus, Via Natural or Artificial Opening  | 132                | Other OR therapeu          |
| 10                    | 0UF98ZZ              | Fragmentation in Uterus, Endo                               | 132                | Other OR therapeu          |
| 10                    | 0UH30ZZ              | Insertion of Infusion Device into Ovary, Open Approach      | 120                | Other operations           |
| 10                    | 0UH33ZZ              | Insertion of Infusion Device into Ovary, Perc Approach      | 120                | Other operations           |
| 10                    | 0UH34ZZ              | Insertion of Infusion Device into Ovary, Perc Endo Approach | 120                | Other operations           |
| 10                    | 0UHC01Z              | Insertion of Radioactive Element into Cervix, Open Approac  | 211                | Radiation therapy          |
| 10                    | 0UHC31Z              | Insertion of Radioactive Element into Cervix, Perc Approach | 211                | Radiation therapy          |
| 10                    | 0UHC41Z              | Insertion of Radioact Elem into Cervix, Perc Endo Approach  | 211                | Radiation therapy          |
| 10                    | 0UHC71Z              | Insertion of Radioactive Element into Cervix, Via Opening   | 211                | Radiation therapy          |
| 10                    | 0UHC81Z              | Insertion of Radioactive Element into Cervix, Endo          | 211                | Radiation therapy          |
| 10                    | 0UHG01Z              | Insertion of Radioactive Element into Vagina, Open Approac  | 211                | Radiation therapy          |
| 10                    | 0UHG31Z              | Insertion of Radioactive Element into Vagina, Perc Approach | 211                | Radiation therapy          |
| 10                    | 0UHG41Z              | Insertion of Radioact Elem into Vagina, Perc Endo Approach  | 211                | Radiation therapy          |
| 10                    | 0UHG71Z              | Insertion of Radioactive Element into Vagina, Via Opening   | 211                | Radiation therapy          |
| 10                    | 0UHG81Z              | Insertion of Radioactive Element into Vagina, Endo          | 211                | Radiation therapy          |
| 10                    | 0UHGX1Z              | Insertion of Radioact Elem into Vagina, Extern Approach     | 211                | Radiation therapy          |
| 10                    | 0UHH03Z              | Insert Infusion Dev in Vagina & Cul-de-sac, Open            | 132                | Other OR therapeu          |
| 10                    | 0UHH33Z              | Insert Infusion Dev in Vagina & Cul-de-sac, Perc            | 132                | Other OR therapeu          |
| 10                    | 0UHH43Z              | Insert Infusion Dev in Vagina & Cul-de-sac, Perc Endo       | 132                | Other OR therapeu          |
| 10                    | 0ULF7DZ              | Occlusion of Cul-de-sac with Intralum Dev, Via Opening      | 132                | Other OR therapeu          |
| 10                    | 0ULF7ZZ              | Occlusion of Cul-de-sac, Via Natural or Artificial Opening  | 132                | Other OR therapeu          |
| 10                    | 0ULF8DZ              | Occlusion of Cul-de-sac with Intraluminal Device, Endo      | 132                | Other OR therapeu          |
| 10                    | 0ULF8ZZ              | Occlusion of Cul-de-sac, Endo                               | 132                | Other OR therapeu          |
| 10                    | 0ULG7DZ              | Occlusion of Vagina with Intraluminal Device, Via Opening   | 129                | Repair of cystoce          |
| 10                    | 0ULG7ZZ              | Occlusion of Vagina, Via Natural or Artificial Opening      | 129                | Repair of cystoce          |
| 10                    | 0ULG8DZ              | Occlusion of Vagina with Intraluminal Device, Endo          | 129                | Repair of cystoce          |
| 10                    | 0ULG8ZZ              | Occlusion of Vagina, Endo                                   | 129                | Repair of cystoce          |
| 10                    | 0UM00ZZ              | Reattachment of Right Ovary, Open Approach                  | 120                | Other operations           |
| 10                    | 0UM04ZZ              | Reattachment of Right Ovary, Perc Endo Approach             | 120                | Other operations           |
| 10                    | 0UM10ZZ              | Reattachment of Left Ovary, Open Approach                   | 120                | Other operations           |
| 10                    | 0UM14ZZ              | Reattachment of Left Ovary, Percutaneous Endoscopic Approa  | 120                | Other operations           |
| 10                    | 0UM20ZZ              | Reattachment of Bilateral Ovaries, Open Approach            | 120                | Other operations           |
| 10                    | 0UM24ZZ              | Reattachment of Bilateral Ovaries, Perc Endo Approach       | 120                | Other operations           |
| 10                    | 0UM40ZZ              | Reattachment of Uterine Supporting Structure, Open Approach | 132                | Other OR therapeu          |
| 10                    | 0UM44ZZ              | Reattachment of Uterine Support Struct, Perc Endo Approach  | 132                | Other OR therapeu          |
| 10                    | 0UM90ZZ              | Reattachment of Uterus, Open Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UM94ZZ              | Reattachment of Uterus, Percutaneous Endoscopic Approach    | 132                | Other OR therapeu          |
| 10                    | 0UMC0ZZ              | Reattachment of Cervix, Open Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UMC4ZZ              | Reattachment of Cervix, Percutaneous Endoscopic Approach    | 132                | Other OR therapeu          |
| 10                    | 0UMF0ZZ              | Reattachment of Cul-de-sac, Open Approach                   | 132                | Other OR therapeu          |
| 10                    | 0UMF4ZZ              | Reattachment of Cul-de-sac, Percutaneous Endoscopic Approa  | 132                | Other OR therapeu          |
| 10                    | 0UMG0ZZ              | Reattachment of Vagina, Open Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UMG4ZZ              | Reattachment of Vagina, Percutaneous Endoscopic Approach    | 132                | Other OR therapeu          |
| 10                    | 0UMJXZZ              | Reattachment of Clitoris, External Approach                 | 132                | Other OR therapeu          |
| 10                    | 0UMK0ZZ              | Reattachment of Hymen, Open Approach                        | 132                | Other OR therapeu          |
| 10                    | 0UMK4ZZ              | Reattachment of Hymen, Percutaneous Endoscopic Approach     | 132                | Other OR therapeu          |
| 10                    | 0UMKXZZ              | Reattachment of Hymen, External Approach                    | 132                | Other OR therapeu          |
| 10                    | 0UMMXZZ              | Reattachment of Vulva, External Approach                    | 132                | Other OR therapeu          |
| 10                    | 0UN00ZZ              | Release Right Ovary, Open Approach                          | 120                | Other operations           |
| 10                    | 0UN03ZZ              | Release Right Ovary, Percutaneous Approach                  | 120                | Other operations           |
| 10                    | 0UN04ZZ              | Release Right Ovary, Percutaneous Endoscopic Approach       | 120                | Other operations           |
| 10                    | 0UN10ZZ              | Release Left Ovary, Open Approach                           | 120                | Other operations           |
| 10                    | 0UN13ZZ              | Release Left Ovary, Percutaneous Approach                   | 120                | Other operations           |
| 10                    | 0UN14ZZ              | Release Left Ovary, Percutaneous Endoscopic Approach        | 120                | Other operations           |
| 10                    | 0UN20ZZ              | Release Bilateral Ovaries, Open Approach                    | 120                | Other operations           |
| 10                    | 0UN23ZZ              | Release Bilateral Ovaries, Percutaneous Approach            | 120                | Other operations           |
| 10                    | 0UN24ZZ              | Release Bilateral Ovaries, Percutaneous Endoscopic Approac  | 120                | Other operations           |
| 10                    | 0UN40ZZ              | Release Uterine Supporting Structure, Open Approach         | 132                | Other OR therapeu          |
| 10                    | 0UN43ZZ              | Release Uterine Supporting Structure, Percutaneous Approach | 132                | Other OR therapeu          |
| 10                    | 0UN44ZZ              | Release Uterine Supporting Structure, Perc Endo Approach    | 132                | Other OR therapeu          |
| 10                    | 0UN90ZZ              | Release Uterus, Open Approach                               | 132                | Other OR therapeu          |
| 10                    | 0UN93ZZ              | Release Uterus, Percutaneous Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UN94ZZ              | Release Uterus, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu          |
| 10                    | 0UN97ZZ              | Release Uterus, Via Natural or Artificial Opening           | 132                | Other OR therapeu          |
| 10                    | 0UN98ZZ              | Release Uterus, Via Natural or Artificial Opening Endoscop  | 132                | Other OR therapeu          |
| 10                    | 0UNC0ZZ              | Release Cervix, Open Approach                               | 132                | Other OR therapeu          |
| 10                    | 0UNC3ZZ              | Release Cervix, Percutaneous Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UNC4ZZ              | Release Cervix, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu          |
| 10                    | 0UNC7ZZ              | Release Cervix, Via Natural or Artificial Opening           | 132                | Other OR therapeu          |
| 10                    | 0UNC8ZZ              | Release Cervix, Via Natural or Artificial Opening Endoscop  | 132                | Other OR therapeu          |
| 10                    | 0UNF0ZZ              | Release Cul-de-sac, Open Approach                           | 132                | Other OR therapeu          |
| 10                    | 0UNF3ZZ              | Release Cul-de-sac, Percutaneous Approach                   | 132                | Other OR therapeu          |
| 10                    | 0UNF4ZZ              | Release Cul-de-sac, Percutaneous Endoscopic Approach        | 132                | Other OR therapeu          |
| 10                    | 0UNF7ZZ              | Release Cul-de-sac, Via Natural or Artificial Opening       | 132                | Other OR therapeu          |
| 10                    | 0UNF8ZZ              | Release Cul-de-sac, Endo                                    | 132                | Other OR therapeu          |
| 10                    | 0UNG0ZZ              | Release Vagina, Open Approach                               | 132                | Other OR therapeu          |
| 10                    | 0UNG3ZZ              | Release Vagina, Percutaneous Approach                       | 132                | Other OR therapeu          |
| 10                    | 0UNG4ZZ              | Release Vagina, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu          |
| 10                    | 0UNG7ZZ              | Release Vagina, Via Natural or Artificial Opening           | 132                | Other OR therapeu          |
| 10                    | 0UNG8ZZ              | Release Vagina, Via Natural or Artificial Opening Endoscop  | 132                | Other OR therapeu          |
| 10                    | 0UNGXZZ              | Release Vagina, External Approach                           | 132                | Other OR therapeu          |
| 10                    | 0UNJ0ZZ              | Release Clitoris, Open Approach                             | 132                | Other OR therapeu          |
| 10                    | 0UNJXZZ              | Release Clitoris, External Approach                         | 132                | Other OR therapeu          |
| 10                    | 0UNK0ZZ              | Release Hymen, Open Approach                                | 132                | Other OR therapeu          |
| 10                    | 0UNK3ZZ              | Release Hymen, Percutaneous Approach                        | 132                | Other OR therapeu          |
| 10                    | 0UNK4ZZ              | Release Hymen, Percutaneous Endoscopic Approach             | 132                | Other OR therapeu          |
| 10                    | 0UNK7ZZ              | Release Hymen, Via Natural or Artificial Opening            | 132                | Other OR therapeu          |
| 10                    | 0UNK8ZZ              | Release Hymen, Via Natural or Artificial Opening Endoscopi  | 132                | Other OR therapeu          |
| 10                    | 0UNKXZZ              | Release Hymen, External Approach                            | 132                | Other OR therapeu          |
| 10                    | 0UNL0ZZ              | Release Vestibular Gland, Open Approach                     | 132                | Other OR therapeu          |
| 10                    | 0UNLXZZ              | Release Vestibular Gland, External Approach                 | 132                | Other OR therapeu          |
| 10                    | 0UNM0ZZ              | Release Vulva, Open Approach                                | 132                | Other OR therapeu          |
| 10                    | 0UNMXZZ              | Release Vulva, External Approach                            | 132                | Other OR therapeu          |
| 10                    | 0UP300Z              | Removal of Drainage Device from Ovary, Open Approach        | 120                | Other operations           |
| 10                    | 0UP303Z              | Removal of Infusion Device from Ovary, Open Approach        | 120                | Other operations           |
| 10                    | 0UP330Z              | Removal of Drainage Device from Ovary, Percutaneous Approa  | 120                | Other operations           |
| 10                    | 0UP333Z              | Removal of Infusion Device from Ovary, Percutaneous Approa  | 120                | Other operations           |
| 10                    | 0UP340Z              | Removal of Drainage Device from Ovary, Perc Endo Approach   | 120                | Other operations           |
| 10                    | 0UP343Z              | Removal of Infusion Device from Ovary, Perc Endo Approach   | 120                | Other operations           |
| 10                    | 0UPD00Z              | Removal of Drain Dev from Uterus & Cervix, Open Approach    | 132                | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0UPD01Z              | Removal of Radioact Elem from Uterus & Cervix, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD03Z              | Removal of infusion Dev from Uterus & Cervix, Open Approac | 132                | Other OR therapeu         |
| 10                    | 0UPD07Z              | Removal of Autol Sub from Uterus & Cervix, Open Approach   | 132                | Other OR therapeu         |
| 10                    | 0UPD0CZ              | Removal of Extralum Dev from Uterus & Cervix, Open Approac | 132                | Other OR therapeu         |
| 10                    | 0UPD0DZ              | Removal of Intralum Dev from Uterus & Cervix, Open Approac | 132                | Other OR therapeu         |
| 10                    | 0UPD0HZ              | Removal of Contracep Dev from Uterus & Cervix, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD0JZ              | Removal of Synth Sub from Uterus & Cervix, Open Approach   | 132                | Other OR therapeu         |
| 10                    | 0UPD0KZ              | Removal of Nonaut Sub from Uterus & Cervix, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0UPD30Z              | Removal of Drain Dev from Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | 0UPD31Z              | Removal of Radioact Elem from Uterus & Cervix, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD33Z              | Removal of infusion Dev from Uterus & Cervix, Perc Approac | 132                | Other OR therapeu         |
| 10                    | 0UPD37Z              | Removal of Autol Sub from Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | 0UPD3DZ              | Removal of Intralum Dev from Uterus & Cervix, Perc Approac | 132                | Other OR therapeu         |
| 10                    | 0UPD3HZ              | Removal of Contracep Dev from Uterus & Cervix, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD3JZ              | Removal of Synth Sub from Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | 0UPD3KZ              | Removal of Nonaut Sub from Uterus & Cervix, Perc Approach  | 132                | Other OR therapeu         |
| 10                    | 0UPD40Z              | Remove of Drain Dev from Uterus & Cervix, Perc Endo Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD41Z              | Remove Radioact Elem from Uterus & Cervix, Perc Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPD43Z              | Remove Infusion Dev from Uterus & Cervix, Perc Endo        | 132                | Other OR therapeu         |
| 10                    | 0UPD47Z              | Remove of Autol Sub from Uterus & Cervix, Perc Endo Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD4DZ              | Remove Intralum Dev from Uterus & Cervix, Perc Endo        | 132                | Other OR therapeu         |
| 10                    | 0UPD4HZ              | Remove Contracep Dev from Uterus & Cervix, Perc Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPD4JZ              | Remove of Synth Sub from Uterus & Cervix, Perc Endo Approa | 132                | Other OR therapeu         |
| 10                    | 0UPD4KZ              | Remove Nonaut Sub from Uterus & Cervix, Perc Endo          | 132                | Other OR therapeu         |
| 10                    | 0UPD71Z              | Removal of Radioact Elem from Uterus & Cervix, Via Opening | 132                | Other OR therapeu         |
| 10                    | 0UPD77Z              | Removal of Autol Sub from Uterus & Cervix, Via Opening     | 132                | Other OR therapeu         |
| 10                    | 0UPD7JZ              | Removal of Synth Sub from Uterus & Cervix, Via Opening     | 132                | Other OR therapeu         |
| 10                    | 0UPD7KZ              | Removal of Nonaut Sub from Uterus & Cervix, Via Opening    | 132                | Other OR therapeu         |
| 10                    | 0UPD81Z              | Removal of Radioactive Element from Uterus and Cervix, End | 132                | Other OR therapeu         |
| 10                    | 0UPD87Z              | Removal of Autol Sub from Uterus & Cervix, Endo            | 132                | Other OR therapeu         |
| 10                    | 0UPD8JZ              | Removal of Synthetic Substitute from Uterus and Cervix, En | 132                | Other OR therapeu         |
| 10                    | 0UPD8KZ              | Removal of Nonaut Sub from Uterus & Cervix, Endo           | 132                | Other OR therapeu         |
| 10                    | 0UPH00Z              | Removal of Drain Dev from Vagina & Cul-de-sac, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH01Z              | Remove Radioact Elem from Vagina & Cul-de-sac, Open        | 132                | Other OR therapeu         |
| 10                    | 0UPH03Z              | Remove Infusion Dev from Vagina & Cul-de-sac, Open         | 132                | Other OR therapeu         |
| 10                    | 0UPH07Z              | Removal of Autol Sub from Vagina & Cul-de-sac, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH0DZ              | Remove Intralum Dev from Vagina & Cul-de-sac, Open         | 132                | Other OR therapeu         |
| 10                    | 0UPH0JZ              | Removal of Synth Sub from Vagina & Cul-de-sac, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH0KZ              | Remove of Nonaut Sub from Vagina & Cul-de-sac, Open Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH30Z              | Removal of Drain Dev from Vagina & Cul-de-sac, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH31Z              | Remove Radioact Elem from Vagina & Cul-de-sac, Perc        | 132                | Other OR therapeu         |
| 10                    | 0UPH33Z              | Remove Infusion Dev from Vagina & Cul-de-sac, Perc         | 132                | Other OR therapeu         |
| 10                    | 0UPH37Z              | Removal of Autol Sub from Vagina & Cul-de-sac, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH3DZ              | Remove Intralum Dev from Vagina & Cul-de-sac, Perc         | 132                | Other OR therapeu         |
| 10                    | 0UPH3JZ              | Removal of Synth Sub from Vagina & Cul-de-sac, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH3KZ              | Remove of Nonaut Sub from Vagina & Cul-de-sac, Perc Approa | 132                | Other OR therapeu         |
| 10                    | 0UPH40Z              | Remove Drain Dev from Vagina & Cul-de-sac, Perc Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPH41Z              | Remove Radioact Elem from Vagina & Cul-de-sac, Perc Endo   | 132                | Other OR therapeu         |
| 10                    | 0UPH43Z              | Remove Infusion Dev from Vagina & Cul-de-sac, Perc Endo    | 132                | Other OR therapeu         |
| 10                    | 0UPH47Z              | Remove Autol Sub from Vagina & Cul-de-sac, Perc Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPH4DZ              | Remove Intralum Dev from Vagina & Cul-de-sac, Perc Endo    | 132                | Other OR therapeu         |
| 10                    | 0UPH4JZ              | Remove Synth Sub from Vagina & Cul-de-sac, Perc Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPH4KZ              | Remove Nonaut Sub from Vagina & Cul-de-sac, Perc Endo      | 132                | Other OR therapeu         |
| 10                    | 0UPH71Z              | Remove Radioact Elem from Vagina & Cul-de-sac, Via Opening | 132                | Other OR therapeu         |
| 10                    | 0UPH77Z              | Removal of Autol Sub from Vagina & Cul-de-sac, Via Opening | 132                | Other OR therapeu         |
| 10                    | 0UPH7JZ              | Removal of Synth Sub from Vagina & Cul-de-sac, Via Opening | 132                | Other OR therapeu         |
| 10                    | 0UPH7KZ              | Removal of Nonaut Sub from Vagina & Cul-de-sac, Via Openin | 132                | Other OR therapeu         |
| 10                    | 0UPH81Z              | Removal of Radioact Elem from Vagina & Cul-de-sac, Endo    | 132                | Other OR therapeu         |
| 10                    | 0UPH87Z              | Removal of Autol Sub from Vagina & Cul-de-sac, Endo        | 132                | Other OR therapeu         |
| 10                    | 0UPH8JZ              | Removal of Synth Sub from Vagina & Cul-de-sac, Endo        | 132                | Other OR therapeu         |
| 10                    | 0UPH8KZ              | Removal of Nonaut Sub from Vagina & Cul-de-sac, Endo       | 132                | Other OR therapeu         |
| 10                    | 0UPM00Z              | Removal of Drainage Device from Vulva, Open Approach       | 132                | Other OR therapeu         |
| 10                    | 0UPM07Z              | Removal of Autol Sub from Vulva, Open Approach             | 132                | Other OR therapeu         |
| 10                    | 0UPM0JZ              | Removal of Synthetic Substitute from Vulva, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0UPM0KZ              | Removal of Nonaut Sub from Vulva, Open Approach            | 132                | Other OR therapeu         |
| 10                    | 0UQ00Z               | Repair Right Ovary, Open Approach                          | 120                | Other operations          |
| 10                    | 0UQ03Z               | Repair Right Ovary, Percutaneous Approach                  | 120                | Other operations          |
| 10                    | 0UQ04Z               | Repair Right Ovary, Percutaneous Endoscopic Approach       | 120                | Other operations          |
| 10                    | 0UQ10Z               | Repair Left Ovary, Open Approach                           | 120                | Other operations          |
| 10                    | 0UQ13Z               | Repair Left Ovary, Percutaneous Approach                   | 120                | Other operations          |
| 10                    | 0UQ14Z               | Repair Left Ovary, Percutaneous Endoscopic Approach        | 120                | Other operations          |
| 10                    | 0UQ20Z               | Repair Bilateral Ovaries, Open Approach                    | 120                | Other operations          |
| 10                    | 0UQ23Z               | Repair Bilateral Ovaries, Percutaneous Approach            | 120                | Other operations          |
| 10                    | 0UQ24Z               | Repair Bilateral Ovaries, Percutaneous Endoscopic Approach | 120                | Other operations          |
| 10                    | 0UQ40Z               | Repair Uterine Supporting Structure, Open Approach         | 132                | Other OR therapeu         |
| 10                    | 0UQ43Z               | Repair Uterine Supporting Structure, Percutaneous Approach | 132                | Other OR therapeu         |
| 10                    | 0UQ44Z               | Repair Uterine Supporting Structure, Perc Endo Approach    | 132                | Other OR therapeu         |
| 10                    | 0UQ90Z               | Repair Uterus, Open Approach                               | 132                | Other OR therapeu         |
| 10                    | 0UQ93Z               | Repair Uterus, Percutaneous Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UQ94Z               | Repair Uterus, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu         |
| 10                    | 0UQ97Z               | Repair Uterus, Via Natural or Artificial Opening           | 132                | Other OR therapeu         |
| 10                    | 0UQ98Z               | Repair Uterus, Via Natural or Artificial Opening Endoscopy | 132                | Other OR therapeu         |
| 10                    | 0UQC0Z               | Repair Cervix, Open Approach                               | 132                | Other OR therapeu         |
| 10                    | 0UQC3Z               | Repair Cervix, Percutaneous Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UQC4Z               | Repair Cervix, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu         |
| 10                    | 0UQC7Z               | Repair Cervix, Via Natural or Artificial Opening           | 132                | Other OR therapeu         |
| 10                    | 0UQC8Z               | Repair Cervix, Via Natural or Artificial Opening Endoscopy | 132                | Other OR therapeu         |
| 10                    | 0UQF0Z               | Repair Cul-de-sac, Open Approach                           | 132                | Other OR therapeu         |
| 10                    | 0UQF3Z               | Repair Cul-de-sac, Percutaneous Approach                   | 132                | Other OR therapeu         |
| 10                    | 0UQF4Z               | Repair Cul-de-sac, Percutaneous Endoscopic Approach        | 132                | Other OR therapeu         |
| 10                    | 0UQF7Z               | Repair Cul-de-sac, Via Natural or Artificial Opening       | 132                | Other OR therapeu         |
| 10                    | 0UQF8Z               | Repair Cul-de-sac, Endo                                    | 132                | Other OR therapeu         |
| 10                    | 0UQG0Z               | Repair Vagina, Open Approach                               | 132                | Other OR therapeu         |
| 10                    | 0UQG3Z               | Repair Vagina, Percutaneous Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UQG4Z               | Repair Vagina, Percutaneous Endoscopic Approach            | 132                | Other OR therapeu         |
| 10                    | 0UQG7Z               | Repair Vagina, Via Natural or Artificial Opening           | 132                | Other OR therapeu         |
| 10                    | 0UQG8Z               | Repair Vagina, Via Natural or Artificial Opening Endoscopy | 132                | Other OR therapeu         |
| 10                    | 0UQG9Z               | Repair Vagina, External Approach                           | 132                | Other OR therapeu         |
| 10                    | 0UQJ0Z               | Repair Clitoris, Open Approach                             | 132                | Other OR therapeu         |
| 10                    | 0UQJ2Z               | Repair Clitoris, External Approach                         | 132                | Other OR therapeu         |
| 10                    | 0UQK0Z               | Repair Hymen, Open Approach                                | 132                | Other OR therapeu         |
| 10                    | 0UQK3Z               | Repair Hymen, Percutaneous Approach                        | 132                | Other OR therapeu         |
| 10                    | 0UQK4Z               | Repair Hymen, Percutaneous Endoscopic Approach             | 132                | Other OR therapeu         |
| 10                    | 0UQK7Z               | Repair Hymen, Via Natural or Artificial Opening            | 132                | Other OR therapeu         |
| 10                    | 0UQK8Z               | Repair Hymen, Via Natural or Artificial Opening Endoscopic | 132                | Other OR therapeu         |
| 10                    | 0UQK9Z               | Repair Hymen, External Approach                            | 132                | Other OR therapeu         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0UQL0ZZ              | Repair Vestibular Gland, Open Approach                      | 132                | Other OR therapeu         |
| 10                    | 0UQLXZZ              | Repair Vestibular Gland, External Approach                  | 132                | Other OR therapeu         |
| 10                    | 0UQM0ZZ              | Repair Vulva, Open Approach                                 | 132                | Other OR therapeu         |
| 10                    | 0UQMXXZ              | Repair Vulva, External Approach                             | 132                | Other OR therapeu         |
| 10                    | 0US00ZZ              | Reposition Right Ovary, Open Approach                       | 120                | Other operations          |
| 10                    | 0US04ZZ              | Reposition Right Ovary, Percutaneous Endoscopic Approach    | 120                | Other operations          |
| 10                    | 0US10ZZ              | Reposition Left Ovary, Open Approach                        | 120                | Other operations          |
| 10                    | 0US14ZZ              | Reposition Left Ovary, Percutaneous Endoscopic Approach     | 120                | Other operations          |
| 10                    | 0US20ZZ              | Reposition Bilateral Ovaries, Open Approach                 | 120                | Other operations          |
| 10                    | 0US24ZZ              | Reposition Bilateral Ovaries, Perc Endo Approach            | 120                | Other operations          |
| 10                    | 0US40ZZ              | Reposition Uterine Supporting Structure, Open Approach      | 132                | Other OR therapeu         |
| 10                    | 0US44ZZ              | Reposition Uterine Supporting Structure, Perc Endo Approach | 132                | Other OR therapeu         |
| 10                    | 0US90ZZ              | Reposition Uterus, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0US94ZZ              | Reposition Uterus, Percutaneous Endoscopic Approach         | 132                | Other OR therapeu         |
| 10                    | 0USC0ZZ              | Reposition Cervix, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0USC4ZZ              | Reposition Cervix, Percutaneous Endoscopic Approach         | 132                | Other OR therapeu         |
| 10                    | 0USF0ZZ              | Reposition Cul-de-sac, Open Approach                        | 132                | Other OR therapeu         |
| 10                    | 0USF4ZZ              | Reposition Cul-de-sac, Percutaneous Endoscopic Approach     | 132                | Other OR therapeu         |
| 10                    | 0USG0ZZ              | Reposition Vagina, Open Approach                            | 132                | Other OR therapeu         |
| 10                    | 0USG4ZZ              | Reposition Vagina, Percutaneous Endoscopic Approach         | 132                | Other OR therapeu         |
| 10                    | 0UT00ZZ              | Resection of Right Ovary, Open Approach                     | 119                | Oophorectomy; uni         |
| 10                    | 0UT04ZZ              | Resection of Right Ovary, Percutaneous Endoscopic Approach  | 119                | Oophorectomy; uni         |
| 10                    | 0UT07ZZ              | Resection of Right Ovary, Via Natural or Artificial Openin  | 119                | Oophorectomy; uni         |
| 10                    | 0UT08ZZ              | Resection of Right Ovary, Endo                              | 119                | Oophorectomy; uni         |
| 10                    | 0UT0FZZ              | Resection of Right Ovary, Via Opening w Perc Endo           | 119                | Oophorectomy; uni         |
| 10                    | 0UT10ZZ              | Resection of Left Ovary, Open Approach                      | 119                | Oophorectomy; uni         |
| 10                    | 0UT14ZZ              | Resection of Left Ovary, Percutaneous Endoscopic Approach   | 119                | Oophorectomy; uni         |
| 10                    | 0UT17ZZ              | Resection of Left Ovary, Via Natural or Artificial Opening  | 119                | Oophorectomy; uni         |
| 10                    | 0UT18ZZ              | Resection of Left Ovary, Endo                               | 119                | Oophorectomy; uni         |
| 10                    | 0UT1FZZ              | Resection of Left Ovary, Via Opening w Perc Endo            | 119                | Oophorectomy; uni         |
| 10                    | 0UT20ZZ              | Resection of Bilateral Ovaries, Open Approach               | 119                | Oophorectomy; uni         |
| 10                    | 0UT24ZZ              | Resection of Bilateral Ovaries, Perc Endo Approach          | 119                | Oophorectomy; uni         |
| 10                    | 0UT27ZZ              | Resection of Bilateral Ovaries, Via Opening                 | 119                | Oophorectomy; uni         |
| 10                    | 0UT28ZZ              | Resection of Bilateral Ovaries, Endo                        | 119                | Oophorectomy; uni         |
| 10                    | 0UT2FZZ              | Resection of Bilateral Ovaries, Via Opening w Perc Endo     | 119                | Oophorectomy; uni         |
| 10                    | 0UT40ZZ              | Resection of Uterine Supporting Structure, Open Approach    | 132                | Other OR therapeu         |
| 10                    | 0UT44ZZ              | Resection of Uterine Support Struct, Perc Endo Approach     | 132                | Other OR therapeu         |
| 10                    | 0UT47ZZ              | Resection of Uterine Supporting Structure, Via Opening      | 132                | Other OR therapeu         |
| 10                    | 0UT48ZZ              | Resection of Uterine Supporting Structure, Endo             | 132                | Other OR therapeu         |
| 10                    | 0UT90ZZ              | Resection of Uterus, Open Approach                          | 124                | Hysterectomy; abd         |
| 10                    | 0UT94ZZ              | Resection of Uterus, Percutaneous Endoscopic Approach       | 124                | Hysterectomy; abd         |
| 10                    | 0UT97ZZ              | Resection of Uterus, Via Natural or Artificial Opening      | 124                | Hysterectomy; abd         |
| 10                    | 0UT98ZZ              | Resection of Uterus, Endo                                   | 124                | Hysterectomy; abd         |
| 10                    | 0UT9FZZ              | Resection of Uterus, Via Opening w Perc Endo                | 124                | Hysterectomy; abd         |
| 10                    | 0UTF0ZZ              | Resection of Cul-de-sac, Open Approach                      | 132                | Other OR therapeu         |
| 10                    | 0UTF4ZZ              | Resection of Cul-de-sac, Percutaneous Endoscopic Approach   | 132                | Other OR therapeu         |
| 10                    | 0UTF7ZZ              | Resection of Cul-de-sac, Via Natural or Artificial Opening  | 132                | Other OR therapeu         |
| 10                    | 0UTF8ZZ              | Resection of Cul-de-sac, Endo                               | 132                | Other OR therapeu         |
| 10                    | 0UTG0ZZ              | Resection of Vagina, Open Approach                          | 132                | Other OR therapeu         |
| 10                    | 0UTG4ZZ              | Resection of Vagina, Percutaneous Endoscopic Approach       | 132                | Other OR therapeu         |
| 10                    | 0UTG7ZZ              | Resection of Vagina, Via Natural or Artificial Opening      | 132                | Other OR therapeu         |
| 10                    | 0UTG8ZZ              | Resection of Vagina, Endo                                   | 132                | Other OR therapeu         |
| 10                    | 0UTJ0ZZ              | Resection of Clitoris, Open Approach                        | 132                | Other OR therapeu         |
| 10                    | 0UTJXZZ              | Resection of Clitoris, External Approach                    | 132                | Other OR therapeu         |
| 10                    | 0UTK0ZZ              | Resection of Hymen, Open Approach                           | 132                | Other OR therapeu         |
| 10                    | 0UTK4ZZ              | Resection of Hymen, Percutaneous Endoscopic Approach        | 132                | Other OR therapeu         |
| 10                    | 0UTK7ZZ              | Resection of Hymen, Via Natural or Artificial Opening       | 132                | Other OR therapeu         |
| 10                    | 0UTK8ZZ              | Resection of Hymen, Endo                                    | 132                | Other OR therapeu         |
| 10                    | 0UTKXZZ              | Resection of Hymen, External Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UTL0ZZ              | Resection of Vestibular Gland, Open Approach                | 132                | Other OR therapeu         |
| 10                    | 0UTLXZZ              | Resection of Vestibular Gland, External Approach            | 132                | Other OR therapeu         |
| 10                    | 0UTM0ZZ              | Resection of Vulva, Open Approach                           | 132                | Other OR therapeu         |
| 10                    | 0UTMXZZ              | Resection of Vulva, External Approach                       | 132                | Other OR therapeu         |
| 10                    | 0UU407Z              | Supplement Uterine Support Struct w Autol Sub, Open         | 132                | Other OR therapeu         |
| 10                    | 0UU40JZ              | Supplement Uterine Support Struct w Synth Sub, Open         | 132                | Other OR therapeu         |
| 10                    | 0UU40KZ              | Supplement Uterine Support Struct w Nonaut Sub, Open        | 132                | Other OR therapeu         |
| 10                    | 0UU447Z              | Supplement Uterine Support Struct w Autol Sub, Perc Endo    | 132                | Other OR therapeu         |
| 10                    | 0UU44JZ              | Supplement Uterine Support Struct w Synth Sub, Perc Endo    | 132                | Other OR therapeu         |
| 10                    | 0UU44KZ              | Supplement Uterine Support Struct w Nonaut Sub, Perc Endo   | 132                | Other OR therapeu         |
| 10                    | 0UUF07Z              | Supplement Cul-de-sac with Autol Sub, Open Approach         | 132                | Other OR therapeu         |
| 10                    | 0UUF0JZ              | Supplement Cul-de-sac with Synth Sub, Open Approach         | 132                | Other OR therapeu         |
| 10                    | 0UUF0KZ              | Supplement Cul-de-sac with Nonaut Sub, Open Approach        | 132                | Other OR therapeu         |
| 10                    | 0UUF47Z              | Supplement Cul-de-sac with Autol Sub, Perc Endo Approach    | 132                | Other OR therapeu         |
| 10                    | 0UUF4JZ              | Supplement Cul-de-sac with Synth Sub, Perc Endo Approach    | 132                | Other OR therapeu         |
| 10                    | 0UUF4KZ              | Supplement Cul-de-sac with Nonaut Sub, Perc Endo Approach   | 132                | Other OR therapeu         |
| 10                    | 0UUF77Z              | Supplement Cul-de-sac with Autol Sub, Via Opening           | 132                | Other OR therapeu         |
| 10                    | 0UUF7JZ              | Supplement Cul-de-sac with Synthetic Substitute, Via Openi  | 132                | Other OR therapeu         |
| 10                    | 0UUF7KZ              | Supplement Cul-de-sac with Nonaut Sub, Via Opening          | 132                | Other OR therapeu         |
| 10                    | 0UUF87Z              | Supplement Cul-de-sac with Autol Sub, Endo                  | 132                | Other OR therapeu         |
| 10                    | 0UUF8JZ              | Supplement Cul-de-sac with Synthetic Substitute, Endo       | 132                | Other OR therapeu         |
| 10                    | 0UUF8KZ              | Supplement Cul-de-sac with Nonaut Sub, Endo                 | 132                | Other OR therapeu         |
| 10                    | 0UUG07Z              | Supplement Vagina with Autol Sub, Open Approach             | 132                | Other OR therapeu         |
| 10                    | 0UUG0JZ              | Supplement Vagina with Synthetic Substitute, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0UUG0KZ              | Supplement Vagina with Nonaut Sub, Open Approach            | 132                | Other OR therapeu         |
| 10                    | 0UUG47Z              | Supplement Vagina with Autol Sub, Perc Endo Approach        | 132                | Other OR therapeu         |
| 10                    | 0UUG4JZ              | Supplement Vagina with Synth Sub, Perc Endo Approach        | 132                | Other OR therapeu         |
| 10                    | 0UUG4KZ              | Supplement Vagina with Nonaut Sub, Perc Endo Approach       | 132                | Other OR therapeu         |
| 10                    | 0UUG77Z              | Supplement Vagina with Autol Sub, Via Opening               | 132                | Other OR therapeu         |
| 10                    | 0UUG7JZ              | Supplement Vagina with Synthetic Substitute, Via Opening    | 132                | Other OR therapeu         |
| 10                    | 0UUG7KZ              | Supplement Vagina with Nonaut Sub, Via Opening              | 132                | Other OR therapeu         |
| 10                    | 0UUG87Z              | Supplement Vagina with Autologous Tissue Substitute, Endo   | 132                | Other OR therapeu         |
| 10                    | 0UUG8JZ              | Supplement Vagina with Synthetic Substitute, Endo           | 132                | Other OR therapeu         |
| 10                    | 0UUG8KZ              | Supplement Vagina with Nonautologous Tissue Substitute, En  | 132                | Other OR therapeu         |
| 10                    | 0UUGX7Z              | Supplement Vagina with Autol Sub, Extern Approach           | 132                | Other OR therapeu         |
| 10                    | 0UUGXJZ              | Supplement Vagina with Synthetic Substitute, Extern Approa  | 132                | Other OR therapeu         |
| 10                    | 0UUGXKZ              | Supplement Vagina with Nonaut Sub, Extern Approach          | 132                | Other OR therapeu         |
| 10                    | 0UUI07Z              | Supplement Clitoris with Autol Sub, Open Approach           | 132                | Other OR therapeu         |
| 10                    | 0UUI0JZ              | Supplement Clitoris with Synthetic Substitute, Open Approa  | 132                | Other OR therapeu         |
| 10                    | 0UUI0KZ              | Supplement Clitoris with Nonaut Sub, Open Approach          | 132                | Other OR therapeu         |
| 10                    | 0UUIX7Z              | Supplement Clitoris with Autol Sub, Extern Approach         | 132                | Other OR therapeu         |
| 10                    | 0UUIXJZ              | Supplement Clitoris with Synth Sub, Extern Approach         | 132                | Other OR therapeu         |
| 10                    | 0UUIXKZ              | Supplement Clitoris with Nonaut Sub, Extern Approach        | 132                | Other OR therapeu         |
| 10                    | 0UUK07Z              | Supplement Hymen with Autol Sub, Open Approach              | 132                | Other OR therapeu         |
| 10                    | 0UUK0JZ              | Supplement Hymen with Synthetic Substitute, Open Approach   | 132                | Other OR therapeu         |
| 10                    | 0UUK0KZ              | Supplement Hymen with Nonaut Sub, Open Approach             | 132                | Other OR therapeu         |
| 10                    | 0UUK47Z              | Supplement Hymen with Autol Sub, Perc Endo Approach         | 132                | Other OR therapeu         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 00UK4JZ              | Supplement Hymen with Synth Sub, Perc Endo Approach          | 132                | Other OR therapeu          |
| 10                    | 00UK4KZ              | Supplement Hymen with Nonaut Sub, Perc Endo Approach         | 132                | Other OR therapeu          |
| 10                    | 00UK77Z              | Supplement Hymen with Autol Sub, Via Opening                 | 132                | Other OR therapeu          |
| 10                    | 00UK7JZ              | Supplement Hymen with Synthetic Substitute, Via Opening      | 132                | Other OR therapeu          |
| 10                    | 00UK7KZ              | Supplement Hymen with Nonaut Sub, Via Opening                | 132                | Other OR therapeu          |
| 10                    | 00UK87Z              | Supplement Hymen with Autologous Tissue Substitute, Endo     | 132                | Other OR therapeu          |
| 10                    | 00UK8JZ              | Supplement Hymen with Synthetic Substitute, Endo             | 132                | Other OR therapeu          |
| 10                    | 00UK8KZ              | Supplement Hymen with Nonautologous Tissue Substitute, End   | 132                | Other OR therapeu          |
| 10                    | 00UKX7Z              | Supplement Hymen with Autol Sub, Extern Approach             | 132                | Other OR therapeu          |
| 10                    | 00UKXJZ              | Supplement Hymen with Synthetic Substitute, Extern Approac   | 132                | Other OR therapeu          |
| 10                    | 00UKXKZ              | Supplement Hymen with Nonaut Sub, Extern Approach            | 132                | Other OR therapeu          |
| 10                    | 00UM07Z              | Supplement Vulva with Autol Sub, Open Approach               | 132                | Other OR therapeu          |
| 10                    | 00UM0JZ              | Supplement Vulva with Synthetic Substitute, Open Approach    | 132                | Other OR therapeu          |
| 10                    | 00UM0KZ              | Supplement Vulva with Nonaut Sub, Open Approach              | 132                | Other OR therapeu          |
| 10                    | 00UMX7Z              | Supplement Vulva with Autol Sub, Extern Approach             | 132                | Other OR therapeu          |
| 10                    | 00UMXJZ              | Supplement Vulva with Synthetic Substitute, Extern Approac   | 132                | Other OR therapeu          |
| 10                    | 00UMXKZ              | Supplement Vulva with Nonaut Sub, Extern Approach            | 132                | Other OR therapeu          |
| 10                    | 00W300Z              | Revision of Drainage Device in Ovary, Open Approach          | 120                | Other operations           |
| 10                    | 00W303Z              | Revision of Infusion Device in Ovary, Open Approach          | 120                | Other operations           |
| 10                    | 00W330Z              | Revision of Drainage Device in Ovary, Percutaneous Approac   | 120                | Other operations           |
| 10                    | 00W333Z              | Revision of Infusion Device in Ovary, Percutaneous Approac   | 120                | Other operations           |
| 10                    | 00W340Z              | Revision of Drainage Device in Ovary, Perc Endo Approach     | 120                | Other operations           |
| 10                    | 00W343Z              | Revision of Infusion Device in Ovary, Perc Endo Approach     | 120                | Other operations           |
| 10                    | 00WD00Z              | Revision of Drain Dev in Uterus & Cervix, Open Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD01Z              | Revision of Radioact Elem in Uterus & Cervix, Open Approac   | 211                | Radiation therapy          |
| 10                    | 00WD03Z              | Revision of Infusion Dev in Uterus & Cervix, Open Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD07Z              | Revision of Autol Sub in Uterus & Cervix, Open Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD0CZ              | Revision of Extralum Dev in Uterus & Cervix, Open Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD0DZ              | Revision of Intralum Dev in Uterus & Cervix, Open Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD0HZ              | Revision of Contracep Dev in Uterus & Cervix, Open Approac   | 132                | Other OR therapeu          |
| 10                    | 00WD0JZ              | Revision of Synth Sub in Uterus & Cervix, Open Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD0KZ              | Revision of Nonaut Sub in Uterus & Cervix, Open Approach     | 132                | Other OR therapeu          |
| 10                    | 00WD30Z              | Revision of Drain Dev in Uterus & Cervix, Perc Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD31Z              | Revision of Radioact Elem in Uterus & Cervix, Perc Approac   | 211                | Radiation therapy          |
| 10                    | 00WD33Z              | Revision of Infusion Dev in Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD37Z              | Revision of Autol Sub in Uterus & Cervix, Perc Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD3CZ              | Revision of Extralum Dev in Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD3DZ              | Revision of Intralum Dev in Uterus & Cervix, Perc Approach   | 132                | Other OR therapeu          |
| 10                    | 00WD3HZ              | Revision of Contracep Dev in Uterus & Cervix, Perc Approac   | 132                | Other OR therapeu          |
| 10                    | 00WD3JZ              | Revision of Synth Sub in Uterus & Cervix, Perc Approach      | 132                | Other OR therapeu          |
| 10                    | 00WD3KZ              | Revision of Nonaut Sub in Uterus & Cervix, Perc Approach     | 132                | Other OR therapeu          |
| 10                    | 00WD40Z              | Revision of Drain Dev in Uterus & Cervix, Perc Endo Approa   | 132                | Other OR therapeu          |
| 10                    | 00WD41Z              | Revise Radioact Elem in Uterus & Cervix, Perc Endo           | 211                | Radiation therapy          |
| 10                    | 00WD43Z              | Revise Infusion Dev in Uterus & Cervix, Perc Endo            | 132                | Other OR therapeu          |
| 10                    | 00WD47Z              | Revision of Autol Sub in Uterus & Cervix, Perc Endo Approa   | 132                | Other OR therapeu          |
| 10                    | 00WD4CZ              | Revise Extralum Dev in Uterus & Cervix, Perc Endo            | 132                | Other OR therapeu          |
| 10                    | 00WD4DZ              | Revise Intralum Dev in Uterus & Cervix, Perc Endo            | 132                | Other OR therapeu          |
| 10                    | 00WD4HZ              | Revise Contracep Dev in Uterus & Cervix, Perc Endo           | 132                | Other OR therapeu          |
| 10                    | 00WD4JZ              | Revision of Synth Sub in Uterus & Cervix, Perc Endo Approa   | 132                | Other OR therapeu          |
| 10                    | 00WD4KZ              | Revision of Nonaut Sub in Uterus & Cervix, Perc Endo Approac | 132                | Other OR therapeu          |
| 10                    | 00WD70Z              | Revision of Drainage Device in Uterus & Cervix, Via Openin   | 132                | Other OR therapeu          |
| 10                    | 00WD71Z              | Revision of Radioact Elem in Uterus & Cervix, Via Opening    | 211                | Radiation therapy          |
| 10                    | 00WD73Z              | Revision of Infusion Device in Uterus & Cervix, Via Openin   | 132                | Other OR therapeu          |
| 10                    | 00WD77Z              | Revision of Autol Sub in Uterus & Cervix, Via Opening        | 132                | Other OR therapeu          |
| 10                    | 00WD7CZ              | Revision of Extralum Dev in Uterus & Cervix, Via Opening     | 132                | Other OR therapeu          |
| 10                    | 00WD7DZ              | Revision of Intralum Dev in Uterus & Cervix, Via Opening     | 132                | Other OR therapeu          |
| 10                    | 00WD7HZ              | Revision of Contracep Dev in Uterus & Cervix, Via Opening    | 132                | Other OR therapeu          |
| 10                    | 00WD7JZ              | Revision of Synth Sub in Uterus & Cervix, Via Opening        | 132                | Other OR therapeu          |
| 10                    | 00WD7KZ              | Revision of Nonaut Sub in Uterus & Cervix, Via Opening       | 132                | Other OR therapeu          |
| 10                    | 00WD80Z              | Revision of Drainage Device in Uterus and Cervix, Endo       | 132                | Other OR therapeu          |
| 10                    | 00WD81Z              | Revision of Radioactive Element in Uterus and Cervix, Endo   | 211                | Radiation therapy          |
| 10                    | 00WD83Z              | Revision of Infusion Device in Uterus and Cervix, Endo       | 132                | Other OR therapeu          |
| 10                    | 00WD87Z              | Revision of Autol Sub in Uterus & Cervix, Endo               | 132                | Other OR therapeu          |
| 10                    | 00WD8CZ              | Revision of Extraluminal Device in Uterus and Cervix, Endo   | 132                | Other OR therapeu          |
| 10                    | 00WD8DZ              | Revision of Intraluminal Device in Uterus and Cervix, Endo   | 132                | Other OR therapeu          |
| 10                    | 00WD8HZ              | Revision of Contraceptive Device in Uterus and Cervix, End   | 132                | Other OR therapeu          |
| 10                    | 00WD8JZ              | Revision of Synthetic Substitute in Uterus and Cervix, End   | 132                | Other OR therapeu          |
| 10                    | 00WD8KZ              | Revision of Nonaut Sub in Uterus & Cervix, Endo              | 132                | Other OR therapeu          |
| 10                    | 00WH00Z              | Revision of Drain Dev in Vagina & Cul-de-sac, Open Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH01Z              | Revise Radioact Elem in Vagina & Cul-de-sac, Open            | 211                | Radiation therapy          |
| 10                    | 00WH03Z              | Revise of Infusion Dev in Vagina & Cul-de-sac, Open Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH07Z              | Revision of Autol Sub in Vagina & Cul-de-sac, Open Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH0DZ              | Revise of Intralum Dev in Vagina & Cul-de-sac, Open Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH0JZ              | Revision of Synth Sub in Vagina & Cul-de-sac, Open Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH0KZ              | Revision of Nonaut Sub in Vagina & Cul-de-sac, Open Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH30Z              | Revision of Drain Dev in Vagina & Cul-de-sac, Perc Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH31Z              | Revise Radioact Elem in Vagina & Cul-de-sac, Perc            | 211                | Radiation therapy          |
| 10                    | 00WH33Z              | Revise of Infusion Dev in Vagina & Cul-de-sac, Perc Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH37Z              | Revision of Autol Sub in Vagina & Cul-de-sac, Perc Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH3DZ              | Revise of Intralum Dev in Vagina & Cul-de-sac, Perc Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH3JZ              | Revision of Synth Sub in Vagina & Cul-de-sac, Perc Approac   | 132                | Other OR therapeu          |
| 10                    | 00WH3KZ              | Revision of Nonaut Sub in Vagina & Cul-de-sac, Perc Approa   | 132                | Other OR therapeu          |
| 10                    | 00WH40Z              | Revise Drain Dev in Vagina & Cul-de-sac, Perc Endo           | 132                | Other OR therapeu          |
| 10                    | 00WH41Z              | Revise Radioact Elem in Vagina & Cul-de-sac, Perc Endo       | 211                | Radiation therapy          |
| 10                    | 00WH43Z              | Revise Infusion Dev in Vagina & Cul-de-sac, Perc Endo        | 132                | Other OR therapeu          |
| 10                    | 00WH47Z              | Revise Autol Sub in Vagina & Cul-de-sac, Perc Endo           | 132                | Other OR therapeu          |
| 10                    | 00WH4DZ              | Revise Intralum Dev in Vagina & Cul-de-sac, Perc Endo        | 132                | Other OR therapeu          |
| 10                    | 00WH4JZ              | Revise Synth Sub in Vagina & Cul-de-sac, Perc Endo           | 132                | Other OR therapeu          |
| 10                    | 00WH4KZ              | Revise Nonaut Sub in Vagina & Cul-de-sac, Perc Endo          | 132                | Other OR therapeu          |
| 10                    | 00WH70Z              | Revision of Drain Dev in Vagina & Cul-de-sac, Via Opening    | 132                | Other OR therapeu          |
| 10                    | 00WH71Z              | Revise of Radioact Elem in Vagina & Cul-de-sac, Via Openin   | 211                | Radiation therapy          |
| 10                    | 00WH73Z              | Revision of Infusion Dev in Vagina & Cul-de-sac, Via Openi   | 132                | Other OR therapeu          |
| 10                    | 00WH77Z              | Revision of Autol Sub in Vagina & Cul-de-sac, Via Opening    | 132                | Other OR therapeu          |
| 10                    | 00WH7DZ              | Revision of Intralum Dev in Vagina & Cul-de-sac, Via Openi   | 132                | Other OR therapeu          |
| 10                    | 00WH7JZ              | Revision of Synth Sub in Vagina & Cul-de-sac, Via Opening    | 132                | Other OR therapeu          |
| 10                    | 00WH7KZ              | Revision of Nonaut Sub in Vagina & Cul-de-sac, Via Opening   | 132                | Other OR therapeu          |
| 10                    | 00WH80Z              | Revision of Drainage Device in Vagina and Cul-de-sac, Endo   | 132                | Other OR therapeu          |
| 10                    | 00WH81Z              | Revision of Radioactive Element in Vagina & Cul-de-sac, En   | 211                | Radiation therapy          |
| 10                    | 00WH83Z              | Revision of Infusion Device in Vagina and Cul-de-sac, Endo   | 132                | Other OR therapeu          |
| 10                    | 00WH87Z              | Revision of Autol Sub in Vagina & Cul-de-sac, Endo           | 132                | Other OR therapeu          |
| 10                    | 00WH8DZ              | Revision of Intraluminal Device in Vagina & Cul-de-sac, En   | 132                | Other OR therapeu          |
| 10                    | 00WH8JZ              | Revision of Synth Sub in Vagina & Cul-de-sac, Endo           | 132                | Other OR therapeu          |
| 10                    | 00WH8KZ              | Revision of Nonaut Sub in Vagina & Cul-de-sac, Endo          | 132                | Other OR therapeu          |
| 10                    | 00WM00Z              | Revision of Drainage Device in Vulva, Open Approach          | 132                | Other OR therapeu          |
| 10                    | 00WM07Z              | Revision of Autol Sub in Vulva, Open Approach                | 132                | Other OR therapeu          |
| 10                    | 00WM0JZ              | Revision of Synthetic Substitute in Vulva, Open Approach     | 132                | Other OR therapeu          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0UWMOKZ              | Revision of Nonaut Sub in Vulva, Open Approach             | 132                | Other OR therapeu          |
| 10                    | 0UY0020              | Transplantation of Right Ovary, Allogeneic, Open Approach  | 176                | Organ transplanta          |
| 10                    | 0UY0021              | Transplantation of Right Ovary, Syngeneic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 0UY0022              | Transplantation of Right Ovary, Zooplasic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 0UY1020              | Transplantation of Left Ovary, Allogeneic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 0UY1021              | Transplantation of Left Ovary, Syngeneic, Open Approach    | 176                | Organ transplanta          |
| 10                    | 0UY1022              | Transplantation of Left Ovary, Zooplasic, Open Approach    | 176                | Organ transplanta          |
| 10                    | 0V500ZZ              | Destruction of Prostate, Open Approach                     | 114                | Open prostatectom          |
| 10                    | 0V503ZZ              | Destruction of Prostate, Percutaneous Approach             | 114                | Open prostatectom          |
| 10                    | 0V504ZZ              | Destruction of Prostate, Percutaneous Endoscopic Approach  | 114                | Open prostatectom          |
| 10                    | 0V507ZZ              | Destruction of Prostate, Via Natural or Artificial Opening | 113                | Transurethral res          |
| 10                    | 0V508ZZ              | Destruction of Prostate, Endo                              | 113                | Transurethral res          |
| 10                    | 0VB00ZZ              | Excision of Prostate, Open Approach                        | 114                | Open prostatectom          |
| 10                    | 0VB03ZZ              | Excision of Prostate, Percutaneous Approach                | 114                | Open prostatectom          |
| 10                    | 0VB04ZZ              | Excision of Prostate, Percutaneous Endoscopic Approach     | 114                | Open prostatectom          |
| 10                    | 0VB07ZZ              | Excision of Prostate, Via Natural or Artificial Opening    | 113                | Transurethral res          |
| 10                    | 0VB08ZZ              | Excision of Prostate, Endo                                 | 113                | Transurethral res          |
| 10                    | 0VH001Z              | Insertion of Radioact Elem into Prostate, Open Approach    | 211                | Radiation therapy          |
| 10                    | 0VH031Z              | Insertion of Radioact Elem into Prostate, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 0VH041Z              | Insertion of Radioact Elem into Prostate, Perc Endo Approa | 211                | Radiation therapy          |
| 10                    | 0VH071Z              | Insertion of Radioactive Element into Prostate, Via Openin | 211                | Radiation therapy          |
| 10                    | 0VH081Z              | Insertion of Radioactive Element into Prostate, Endo       | 211                | Radiation therapy          |
| 10                    | 0VT00ZZ              | Resection of Prostate, Open Approach                       | 114                | Open prostatectom          |
| 10                    | 0VT04ZZ              | Resection of Prostate, Percutaneous Endoscopic Approach    | 114                | Open prostatectom          |
| 10                    | 0VT07ZZ              | Resection of Prostate, Via Natural or Artificial Opening   | 113                | Transurethral res          |
| 10                    | 0VT08ZZ              | Resection of Prostate, Endo                                | 113                | Transurethral res          |
| 10                    | 0W0N07Z              | Alteration of Female Perineum with Autol Sub, Open Approac | 132                | Other OR therapeu          |
| 10                    | 0W0N0JZ              | Alteration of Female Perineum with Synth Sub, Open Approac | 132                | Other OR therapeu          |
| 10                    | 0W0N0KZ              | Alteration of Female Perineum with Nonaut Sub, Open Approa | 132                | Other OR therapeu          |
| 10                    | 0W0N0ZZ              | Alteration of Female Perineum, Open Approach               | 132                | Other OR therapeu          |
| 10                    | 0W0N37Z              | Alteration of Female Perineum with Autol Sub, Perc Approac | 132                | Other OR therapeu          |
| 10                    | 0W0N3JZ              | Alteration of Female Perineum with Synth Sub, Perc Approac | 132                | Other OR therapeu          |
| 10                    | 0W0N3KZ              | Alteration of Female Perineum with Nonaut Sub, Perc Approa | 132                | Other OR therapeu          |
| 10                    | 0W0N3ZZ              | Alteration of Female Perineum, Percutaneous Approach       | 132                | Other OR therapeu          |
| 10                    | 0W0N47Z              | Alter of Fem Perineum with Autol Sub, Perc Endo Approach   | 132                | Other OR therapeu          |
| 10                    | 0W0N4JZ              | Alter of Fem Perineum with Synth Sub, Perc Endo Approach   | 132                | Other OR therapeu          |
| 10                    | 0W0N4KZ              | Alter of Fem Perineum with Nonaut Sub, Perc Endo Approach  | 132                | Other OR therapeu          |
| 10                    | 0W0N4ZZ              | Alteration of Female Perineum, Perc Endo Approach          | 132                | Other OR therapeu          |
| 10                    | 0W1G0J4              | Bypass Periton Cav to Cutan with Synth Sub, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W1G0JY              | Bypass Periton Cav to Low Vein with Synth Sub, Open Approa | 99                 | Other OR gastroin          |
| 10                    | 0W1G3J4              | Bypass Periton Cav to Cutan with Synth Sub, Perc Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W1G4J4              | Bypass Periton Cav to Cutan w Synth Sub, Perc Endo         | 99                 | Other OR gastroin          |
| 10                    | 0W1G4JY              | Bypass Periton Cav to Low Vein w Synth Sub, Perc Endo      | 99                 | Other OR gastroin          |
| 10                    | 0W1J0J9              | Bypass Pelvic Cav to R Pleural Cav w Synth Sub, Open       | 132                | Other OR therapeu          |
| 10                    | 0W1J0JB              | Bypass Pelvic Cav to L Pleural Cav w Synth Sub, Open       | 132                | Other OR therapeu          |
| 10                    | 0W1J0JG              | Bypass Pelvic Cav to Periton Cav w Synth Sub, Open         | 132                | Other OR therapeu          |
| 10                    | 0W1J0JH              | Bypass Pelvic Cav to Pelvic Cav w Synth Sub, Open          | 132                | Other OR therapeu          |
| 10                    | 0W1J4J9              | Bypass Pelvic Cav to R Pleural Cav w Synth Sub, Perc Endo  | 132                | Other OR therapeu          |
| 10                    | 0W1J4JB              | Bypass Pelvic Cav to L Pleural Cav w Synth Sub, Perc Endo  | 132                | Other OR therapeu          |
| 10                    | 0W1J4JG              | Bypass Pelvic Cav to Periton Cav w Synth Sub, Perc Endo    | 132                | Other OR therapeu          |
| 10                    | 0W1J4JH              | Bypass Pelvic Cav to Pelvic Cav w Synth Sub, Perc Endo     | 132                | Other OR therapeu          |
| 10                    | 0W300ZZ              | Control Bleeding in Head, Open Approach                    | 59                 | Other OR procedur          |
| 10                    | 0W303ZZ              | Control Bleeding in Head, Percutaneous Approach            | 59                 | Other OR procedur          |
| 10                    | 0W304ZZ              | Control Bleeding in Head, Percutaneous Endoscopic Approach | 59                 | Other OR procedur          |
| 10                    | 0W310ZZ              | Control Bleeding in Cranial Cavity, Open Approach          | 59                 | Other OR procedur          |
| 10                    | 0W313ZZ              | Control Bleeding in Cranial Cavity, Percutaneous Approach  | 59                 | Other OR procedur          |
| 10                    | 0W314ZZ              | Control Bleeding in Cranial Cavity, Perc Endo Approach     | 59                 | Other OR procedur          |
| 10                    | 0W320ZZ              | Control Bleeding in Face, Open Approach                    | 59                 | Other OR procedur          |
| 10                    | 0W323ZZ              | Control Bleeding in Face, Percutaneous Approach            | 59                 | Other OR procedur          |
| 10                    | 0W324ZZ              | Control Bleeding in Face, Percutaneous Endoscopic Approach | 59                 | Other OR procedur          |
| 10                    | 0W330ZZ              | Control Bleeding in Oral Cavity and Throat, Open Approach  | 33                 | Other OR procedur          |
| 10                    | 0W333ZZ              | Control Bleeding in Oral Cavity and Throat, Perc Approach  | 33                 | Other OR procedur          |
| 10                    | 0W334ZZ              | Control Bleeding in Oral Cav & Throat, Perc Endo Approach  | 33                 | Other OR procedur          |
| 10                    | 0W337ZZ              | Control Bleeding in Oral Cavity and Throat, Via Opening    | 33                 | Other OR procedur          |
| 10                    | 0W338ZZ              | Control Bleeding in Oral Cavity and Throat, Endo           | 33                 | Other OR procedur          |
| 10                    | 0W33XZZ              | Control Bleeding in Oral Cavity and Throat, Extern Approac | 33                 | Other OR procedur          |
| 10                    | 0W340ZZ              | Control Bleeding in Upper Jaw, Open Approach               | 33                 | Other OR procedur          |
| 10                    | 0W343ZZ              | Control Bleeding in Upper Jaw, Percutaneous Approach       | 33                 | Other OR procedur          |
| 10                    | 0W344ZZ              | Control Bleeding in Upper Jaw, Perc Endo Approach          | 33                 | Other OR procedur          |
| 10                    | 0W350ZZ              | Control Bleeding in Lower Jaw, Open Approach               | 33                 | Other OR procedur          |
| 10                    | 0W353ZZ              | Control Bleeding in Lower Jaw, Percutaneous Approach       | 33                 | Other OR procedur          |
| 10                    | 0W354ZZ              | Control Bleeding in Lower Jaw, Perc Endo Approach          | 33                 | Other OR procedur          |
| 10                    | 0W360ZZ              | Control Bleeding in Neck, Open Approach                    | 59                 | Other OR procedur          |
| 10                    | 0W363ZZ              | Control Bleeding in Neck, Percutaneous Approach            | 59                 | Other OR procedur          |
| 10                    | 0W364ZZ              | Control Bleeding in Neck, Percutaneous Endoscopic Approach | 59                 | Other OR procedur          |
| 10                    | 0W3D0ZZ              | Control Bleeding in Pericardial Cavity, Open Approach      | 49                 | Other OR heart pr          |
| 10                    | 0W3D3ZZ              | Control Bleeding in Pericardial Cavity, Perc Approach      | 49                 | Other OR heart pr          |
| 10                    | 0W3D4ZZ              | Control Bleeding in Pericardial Cavity, Perc Endo Approach | 49                 | Other OR heart pr          |
| 10                    | 0W3F0ZZ              | Control Bleeding in Abdominal Wall, Open Approach          | 99                 | Other OR gastroin          |
| 10                    | 0W3F3ZZ              | Control Bleeding in Abdominal Wall, Percutaneous Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W3F4ZZ              | Control Bleeding in Abdominal Wall, Perc Endo Approach     | 99                 | Other OR gastroin          |
| 10                    | 0W3G3ZZ              | Control Bleeding in Peritoneal Cavity, Percutaneous Approa | 99                 | Other OR gastroin          |
| 10                    | 0W3G4ZZ              | Control Bleeding in Peritoneal Cavity, Perc Endo Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W3H0ZZ              | Control Bleeding in Retroperitoneum, Open Approach         | 99                 | Other OR gastroin          |
| 10                    | 0W3H3ZZ              | Control Bleeding in Retroperitoneum, Percutaneous Approach | 99                 | Other OR gastroin          |
| 10                    | 0W3H4ZZ              | Control Bleeding in Retroperitoneum, Perc Endo Approach    | 99                 | Other OR gastroin          |
| 10                    | 0W3J0ZZ              | Control Bleeding in Pelvic Cavity, Open Approach           | 99                 | Other OR gastroin          |
| 10                    | 0W3J3ZZ              | Control Bleeding in Pelvic Cavity, Percutaneous Approach   | 99                 | Other OR gastroin          |
| 10                    | 0W3J4ZZ              | Control Bleeding in Pelvic Cavity, Perc Endo Approach      | 99                 | Other OR gastroin          |
| 10                    | 0W3N0ZZ              | Control Bleeding in Female Perineum, Open Approach         | 132                | Other OR therapeu          |
| 10                    | 0W3N3ZZ              | Control Bleeding in Female Perineum, Percutaneous Approach | 132                | Other OR therapeu          |
| 10                    | 0W3N4ZZ              | Control Bleeding in Female Perineum, Perc Endo Approach    | 132                | Other OR therapeu          |
| 10                    | 0W3P0ZZ              | Control Bleeding in Gastrointestinal Tract, Open Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W3P3ZZ              | Control Bleeding in Gastrointestinal Tract, Perc Approach  | 99                 | Other OR gastroin          |
| 10                    | 0W3P4ZZ              | Control Bleeding in GI Tract, Perc Endo Approach           | 99                 | Other OR gastroin          |
| 10                    | 0W3P7ZZ              | Control Bleeding in Gastrointestinal Tract, Via Opening    | 99                 | Other OR gastroin          |
| 10                    | 0W3R0ZZ              | Control Bleeding in Genitourinary Tract, Open Approach     | 112                | Other OR therapeu          |
| 10                    | 0W3R3ZZ              | Control Bleeding in Genitourinary Tract, Perc Approach     | 112                | Other OR therapeu          |
| 10                    | 0W3R4ZZ              | Control Bleeding in Genitourinary Tract, Perc Endo Approac | 112                | Other OR therapeu          |
| 10                    | 0W3R7ZZ              | Control Bleeding in Genitourinary Tract, Via Opening       | 112                | Other OR therapeu          |
| 10                    | 0W3R8ZZ              | Control Bleeding in Genitourinary Tract, Endo              | 112                | Other OR therapeu          |
| 10                    | 0W4N07I              | Create Penis in Fem Perineum w Autol Sub, Open             | 132                | Other OR therapeu          |
| 10                    | 0W4N0J1              | Create Penis in Fem Perineum w Synth Sub, Open             | 132                | Other OR therapeu          |
| 10                    | 0W4N0K1              | Create Penis in Fem Perineum w Nonaut Sub, Open            | 132                | Other OR therapeu          |
| 10                    | 0W4N0Z1              | Creation of Penis in Female Perineum, Open Approach        | 132                | Other OR therapeu          |
| 10                    | 0W9300Z              | Drainage of Oral Cav & Throat with Drain Dev, Open Approac | 33                 | Other OR procedur          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0W930ZZ              | Drainage of Oral Cavity and Throat, Open Approach          | 33                 | Other OR procedur         |
| 10                    | 0W9340Z              | Drain Oral Cav & Throat w Drain Dev, Perc Endo             | 33                 | Other OR procedur         |
| 10                    | 0W934ZZ              | Drainage of Oral Cavity and Throat, Perc Endo Approach     | 33                 | Other OR procedur         |
| 10                    | 0W9400Z              | Drainage of Upper Jaw with Drainage Device, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0W940ZZ              | Drainage of Upper Jaw, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0W9440Z              | Drainage of Upper Jaw with Drain Dev, Perc Endo Approach   | 33                 | Other OR procedur         |
| 10                    | 0W944ZZ              | Drainage of Upper Jaw, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur         |
| 10                    | 0W9500Z              | Drainage of Lower Jaw with Drainage Device, Open Approach  | 33                 | Other OR procedur         |
| 10                    | 0W950ZZ              | Drainage of Lower Jaw, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0W9540Z              | Drainage of Lower Jaw with Drain Dev, Perc Endo Approach   | 33                 | Other OR procedur         |
| 10                    | 0W954ZZ              | Drainage of Lower Jaw, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur         |
| 10                    | 0W9800Z              | Drainage of Chest Wall, Open Approach, Diagnostic          | 40                 | Other diagnostic          |
| 10                    | 0W983ZX              | Drainage of Chest Wall, Percutaneous Approach, Diagnostic  | 40                 | Other diagnostic          |
| 10                    | 0W984ZX              | Drainage of Chest Wall, Perc Endo Approach, Diagn          | 40                 | Other diagnostic          |
| 10                    | 0W9C0ZX              | Drainage of Mediastinum, Open Approach, Diagnostic         | 40                 | Other diagnostic          |
| 10                    | 0W9C3ZX              | Drainage of Mediastinum, Percutaneous Approach, Diagnostic | 40                 | Other diagnostic          |
| 10                    | 0W9C4ZX              | Drainage of Mediastinum, Perc Endo Approach, Diagn         | 40                 | Other diagnostic          |
| 10                    | 0W9D00Z              | Drainage of Pericardial Cavity with Drain Dev, Open Approa | 49                 | Other OR heart pr         |
| 10                    | 0W9D0ZX              | Drainage of Pericardial Cavity, Open Approach, Diagnostic  | 62                 | Other diagnostic          |
| 10                    | 0W9D0ZZ              | Drainage of Pericardial Cavity, Open Approach              | 49                 | Other OR heart pr         |
| 10                    | 0W9D3ZX              | Drainage of Pericardial Cavity, Percutaneous Approach, Dia | 62                 | Other diagnostic          |
| 10                    | 0W9D4ZX              | Drainage of Pericardial Cavity, Perc Endo Approach, Diagn  | 62                 | Other diagnostic          |
| 10                    | 0W9F00Z              | Drainage of Abdominal Wall with Drain Dev, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0W9F0ZZ              | Drainage of Abdominal Wall, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0W9G00Z              | Drainage of Peritoneal Cavity with Drain Dev, Open Approac | 99                 | Other OR gastroin         |
| 10                    | 0W9G0ZZ              | Drainage of Peritoneal Cavity, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0W9H00Z              | Drainage of Retroperitoneum with Drain Dev, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0W9H0ZZ              | Drainage of Retroperitoneum, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0W9H40Z              | Drain of Retroperitoneum with Drain Dev, Perc Endo Approac | 99                 | Other OR gastroin         |
| 10                    | 0W9H4ZZ              | Drainage of Retroperitoneum, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0W9J00Z              | Drainage of Pelvic Cavity with Drain Dev, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0W9J0ZZ              | Drainage of Pelvic Cavity, Open Approach                   | 99                 | Other OR gastroin         |
| 10                    | 0W9K0ZX              | Drainage of Upper Back, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0W9K3ZX              | Drainage of Upper Back, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0W9K4ZX              | Drainage of Upper Back, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0W9L0ZX              | Drainage of Lower Back, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0W9L3ZX              | Drainage of Lower Back, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0W9L4ZX              | Drainage of Lower Back, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0W9N00Z              | Drainage of Female Perineum with Drain Dev, Open Approach  | 132                | Other OR therapeu         |
| 10                    | 0W9N0ZZ              | Drainage of Female Perineum, Open Approach                 | 132                | Other OR therapeu         |
| 10                    | 0W9N40Z              | Drainage of Fem Perineum with Drain Dev, Perc Endo Approac | 132                | Other OR therapeu         |
| 10                    | 0W9N4ZZ              | Drainage of Female Perineum, Perc Endo Approach            | 132                | Other OR therapeu         |
| 10                    | 0WB40ZZ              | Excision of Upper Jaw, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0WB43ZZ              | Excision of Upper Jaw, Percutaneous Approach               | 33                 | Other OR procedur         |
| 10                    | 0WB44ZZ              | Excision of Upper Jaw, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur         |
| 10                    | 0WB4XZZ              | Excision of Upper Jaw, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0WB50ZZ              | Excision of Lower Jaw, Open Approach                       | 33                 | Other OR procedur         |
| 10                    | 0WB53ZZ              | Excision of Lower Jaw, Percutaneous Approach               | 33                 | Other OR procedur         |
| 10                    | 0WB54ZZ              | Excision of Lower Jaw, Percutaneous Endoscopic Approach    | 33                 | Other OR procedur         |
| 10                    | 0WB5XZZ              | Excision of Lower Jaw, External Approach                   | 33                 | Other OR procedur         |
| 10                    | 0WB6XZZ              | Excision of Neck, Stoma, External Approach                 | 175                | Other OR therapeu         |
| 10                    | 0WB80ZX              | Excision of Chest Wall, Open Approach, Diagnostic          | 40                 | Other diagnostic          |
| 10                    | 0WB83ZX              | Excision of Chest Wall, Percutaneous Approach, Diagnostic  | 40                 | Other diagnostic          |
| 10                    | 0WB84ZX              | Excision of Chest Wall, Perc Endo Approach, Diagn          | 40                 | Other diagnostic          |
| 10                    | 0WB8XZX              | Excision of Chest Wall, External Approach, Diagnostic      | 40                 | Other diagnostic          |
| 10                    | 0WBC0ZX              | Excision of Mediastinum, Open Approach, Diagnostic         | 40                 | Other diagnostic          |
| 10                    | 0WBC3ZX              | Excision of Mediastinum, Percutaneous Approach, Diagnostic | 40                 | Other diagnostic          |
| 10                    | 0WBC4ZX              | Excision of Mediastinum, Perc Endo Approach, Diagn         | 40                 | Other diagnostic          |
| 10                    | 0WBF0ZZ              | Excision of Abdominal Wall, Open Approach                  | 99                 | Other OR gastroin         |
| 10                    | 0WBF3ZZ              | Excision of Abdominal Wall, Percutaneous Approach          | 99                 | Other OR gastroin         |
| 10                    | 0WBF4ZZ              | Excision of Abdominal Wall, Percutaneous Endoscopic Approa | 99                 | Other OR gastroin         |
| 10                    | 0WBFXZZ              | Excision of Abdominal Wall, Stoma, External Approach       | 99                 | Other OR gastroin         |
| 10                    | 0WBFXZZ              | Excision of Abdominal Wall, External Approach              | 99                 | Other OR gastroin         |
| 10                    | 0WBH0ZZ              | Excision of Retroperitoneum, Open Approach                 | 99                 | Other OR gastroin         |
| 10                    | 0WBH3ZZ              | Excision of Retroperitoneum, Percutaneous Approach         | 99                 | Other OR gastroin         |
| 10                    | 0WBH4ZZ              | Excision of Retroperitoneum, Perc Endo Approach            | 99                 | Other OR gastroin         |
| 10                    | 0WBK0ZX              | Excision of Upper Back, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0WBK3ZX              | Excision of Upper Back, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0WBK4ZX              | Excision of Upper Back, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0WBKXZX              | Excision of Upper Back, External Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0WBL0ZX              | Excision of Lower Back, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0WBL3ZX              | Excision of Lower Back, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0WBL4ZX              | Excision of Lower Back, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0WBLXZX              | Excision of Lower Back, External Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0WBN0ZZ              | Excision of Female Perineum, Open Approach                 | 132                | Other OR therapeu         |
| 10                    | 0WBN3ZZ              | Excision of Female Perineum, Percutaneous Approach         | 132                | Other OR therapeu         |
| 10                    | 0WBN4ZZ              | Excision of Female Perineum, Perc Endo Approach            | 132                | Other OR therapeu         |
| 10                    | 0WBNXZZ              | Excision of Female Perineum, External Approach             | 132                | Other OR therapeu         |
| 10                    | 0WC30ZZ              | Extirpation of Matter from Oral Cav & Throat, Open Approac | 33                 | Other OR procedur         |
| 10                    | 0WC33ZZ              | Extirpation of Matter from Oral Cav & Throat, Perc Approac | 33                 | Other OR procedur         |
| 10                    | 0WC34ZZ              | Extirpate matter from Oral Cav & Throat, Perc Endo         | 33                 | Other OR procedur         |
| 10                    | 0WCD0ZZ              | Extirpation of Matter from Pericardial Cavity, Open Approa | 49                 | Other OR heart pr         |
| 10                    | 0WCD3ZZ              | Extirpation of Matter from Pericardial Cavity, Perc Approa | 49                 | Other OR heart pr         |
| 10                    | 0WCD4ZZ              | Extirpation of Matter from Pericard Cav, Perc Endo Approac | 49                 | Other OR heart pr         |
| 10                    | 0WCG0ZZ              | Extirpation of Matter from Peritoneal Cavity, Open Approac | 99                 | Other OR gastroin         |
| 10                    | 0WCG3ZZ              | Extirpation of Matter from Peritoneal Cavity, Perc Approac | 99                 | Other OR gastroin         |
| 10                    | 0WCG4ZZ              | Extirpation of Matter from Periton Cav, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0WCJ0ZZ              | Extirpation of Matter from Pelvic Cavity, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WCJ3ZZ              | Extirpation of Matter from Pelvic Cavity, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WCJ4ZZ              | Extirpation of Matter from Pelvic Cavity, Perc Endo Approa | 99                 | Other OR gastroin         |
| 10                    | 0WCP0ZZ              | Extirpation of Matter from GI Tract, Open Approach         | 99                 | Other OR gastroin         |
| 10                    | 0WCP3ZZ              | Extirpation of Matter from GI Tract, Perc Approach         | 99                 | Other OR gastroin         |
| 10                    | 0WCP4ZZ              | Extirpation of Matter from GI Tract, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WCR0ZZ              | Extirpation of Matter from GU Tract, Open Approach         | 112                | Other OR therapeu         |
| 10                    | 0WCR3ZZ              | Extirpation of Matter from GU Tract, Perc Approach         | 112                | Other OR therapeu         |
| 10                    | 0WCR4ZZ              | Extirpation of Matter from GU Tract, Perc Endo Approach    | 112                | Other OR therapeu         |
| 10                    | 0WF10ZZ              | Fragmentation in Cranial Cavity, Open Approach             | 9                  | Other OR therapeu         |
| 10                    | 0WF13ZZ              | Fragmentation in Cranial Cavity, Percutaneous Approach     | 9                  | Other OR therapeu         |
| 10                    | 0WF14ZZ              | Fragmentation in Cranial Cavity, Perc Endo Approach        | 9                  | Other OR therapeu         |
| 10                    | 0WF30ZZ              | Fragmentation in Oral Cavity and Throat, Open Approach     | 33                 | Other OR procedur         |
| 10                    | 0WF33ZZ              | Fragmentation in Oral Cavity and Throat, Perc Approach     | 33                 | Other OR procedur         |
| 10                    | 0WF34ZZ              | Fragmentation in Oral Cavity and Throat, Perc Endo Approac | 33                 | Other OR procedur         |
| 10                    | 0WFD0ZZ              | Fragmentation in Pericardial Cavity, Open Approach         | 49                 | Other OR heart pr         |
| 10                    | 0WFD3ZZ              | Fragmentation in Pericardial Cavity, Percutaneous Approach | 49                 | Other OR heart pr         |
| 10                    | 0WFD4ZZ              | Fragmentation in Pericardial Cavity, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 0WFG0ZZ              | Fragmentation in Peritoneal Cavity, Open Approach          | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | OWFG3ZZ              | Fragmentation in Peritoneal Cavity, Percutaneous Approach    | 99                 | Other OR gastroin         |
| 10                    | OWFG4ZZ              | Fragmentation in Peritoneal Cavity, Perc Endo Approach       | 99                 | Other OR gastroin         |
| 10                    | OWFRXZZ              | Fragmentation in Genitourinary Tract, External Approach      | 107                | Extracorporeal li         |
| 10                    | OWH001Z              | Insertion of Radioactive Element into Head, Open Approach    | 211                | Radiation therapy         |
| 10                    | OWH031Z              | Insertion of Radioactive Element into Head, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OWH041Z              | Insertion of Radioact Elem into Head, Perc Endo Approach     | 211                | Radiation therapy         |
| 10                    | OWH101Z              | Insertion of Radioact Elem into Cranial Cav, Open Approach   | 211                | Radiation therapy         |
| 10                    | OWH131Z              | Insertion of Radioact Elem into Cranial Cav, Perc Approach   | 211                | Radiation therapy         |
| 10                    | OWH141Z              | Insert of Radioact Elem into Cranial Cav, Perc Endo Apprao   | 211                | Radiation therapy         |
| 10                    | OWH201Z              | Insertion of Radioactive Element into Face, Open Approach    | 211                | Radiation therapy         |
| 10                    | OWH231Z              | Insertion of Radioactive Element into Face, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OWH241Z              | Insertion of Radioact Elem into Face, Perc Endo Approach     | 211                | Radiation therapy         |
| 10                    | OWH301Z              | Insert Radioact Elem in Oral Cav & Throat, Open              | 211                | Radiation therapy         |
| 10                    | OWH303Z              | Insert of Infusion Dev into Oral Cav & Throat, Open Apprao   | 33                 | Other OR procedur         |
| 10                    | OWH30YZ              | Insertion of Oth Dev into Oral Cav & Throat, Open Approach   | 33                 | Other OR procedur         |
| 10                    | OWH331Z              | Insert Radioact Elem in Oral Cav & Throat, Perc              | 211                | Radiation therapy         |
| 10                    | OWH333Z              | Insert of Infusion Dev into Oral Cav & Throat, Perc Apprao   | 33                 | Other OR procedur         |
| 10                    | OWH33YZ              | Insertion of Oth Dev into Oral Cav & Throat, Perc Approach   | 33                 | Other OR procedur         |
| 10                    | OWH341Z              | Insert Radioact Elem in Oral Cav & Throat, Perc Endo         | 211                | Radiation therapy         |
| 10                    | OWH343Z              | Insert Infusion Dev in Oral Cav & Throat, Perc Endo          | 33                 | Other OR procedur         |
| 10                    | OWH34YZ              | Insert of Oth Dev into Oral Cav & Throat, Perc Endo Apprao   | 33                 | Other OR procedur         |
| 10                    | OWH401Z              | Insertion of Radioactive Element into Up Jaw, Open Approach  | 211                | Radiation therapy         |
| 10                    | OWH431Z              | Insertion of Radioactive Element into Up Jaw, Perc Approach  | 211                | Radiation therapy         |
| 10                    | OWH441Z              | Insertion of Radioact Elem into Up Jaw, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | OWH501Z              | Insertion of Radioactive Element into Low Jaw, Open Apprao   | 211                | Radiation therapy         |
| 10                    | OWH531Z              | Insertion of Radioactive Element into Low Jaw, Perc Apprao   | 211                | Radiation therapy         |
| 10                    | OWH541Z              | Insertion of Radioact Elem into Low Jaw, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | OWH601Z              | Insertion of Radioactive Element into Neck, Open Approach    | 211                | Radiation therapy         |
| 10                    | OWH631Z              | Insertion of Radioactive Element into Neck, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OWH641Z              | Insertion of Radioact Elem into Neck, Perc Endo Approach     | 211                | Radiation therapy         |
| 10                    | OWH801Z              | Insertion of Radioact Elem into Chest Wall, Open Approach    | 211                | Radiation therapy         |
| 10                    | OWH831Z              | Insertion of Radioact Elem into Chest Wall, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OWH841Z              | Insert of Radioact Elem into Chest Wall, Perc Endo Apprao    | 211                | Radiation therapy         |
| 10                    | OWH901Z              | Insertion of Radioact Elem into R Pleural Cav, Open Apprao   | 211                | Radiation therapy         |
| 10                    | OWH931Z              | Insertion of Radioact Elem into R Pleural Cav, Perc Apprao   | 211                | Radiation therapy         |
| 10                    | OWH941Z              | Insert Radioact Elem in R Pleural Cav, Perc Endo             | 211                | Radiation therapy         |
| 10                    | OWHB01Z              | Insertion of Radioact Elem into L Pleural Cav, Open Apprao   | 211                | Radiation therapy         |
| 10                    | OWHB31Z              | Insertion of Radioact Elem into L Pleural Cav, Perc Apprao   | 211                | Radiation therapy         |
| 10                    | OWHB41Z              | Insert Radioact Elem in L Pleural Cav, Perc Endo             | 211                | Radiation therapy         |
| 10                    | OWHC01Z              | Insertion of Radioact Elem into Mediastinum, Open Approach   | 211                | Radiation therapy         |
| 10                    | OWHC31Z              | Insertion of Radioact Elem into Mediastinum, Perc Approach   | 211                | Radiation therapy         |
| 10                    | OWHC41Z              | Insert of Radioact Elem into Mediastinum, Perc Endo Apprao   | 211                | Radiation therapy         |
| 10                    | OWHD01Z              | Insertion of Radioact Elem into Pericard Cav, Open Approach  | 211                | Radiation therapy         |
| 10                    | OWHD03Z              | Insertion of Infusion Dev into Pericard Cav, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | OWHD0YZ              | Insertion of Other Device into Pericard Cav, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | OWHD31Z              | Insertion of Radioact Elem into Pericard Cav, Perc Approach  | 211                | Radiation therapy         |
| 10                    | OWHD33Z              | Insertion of Infusion Dev into Pericard Cav, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | OWHD3YZ              | Insertion of Other Device into Pericard Cav, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | OWHD41Z              | Insert Radioact Elem in Pericard Cav, Perc Endo              | 211                | Radiation therapy         |
| 10                    | OWHD43Z              | Insert of Infusion Dev into Pericard Cav, Perc Endo Apprao   | 49                 | Other OR heart pr         |
| 10                    | OWHD4YZ              | Insertion of Oth Dev into Pericard Cav, Perc Endo Approach   | 49                 | Other OR heart pr         |
| 10                    | OWHF01Z              | Insertion of Radioact Elem into Abd Wall, Open Approach      | 211                | Radiation therapy         |
| 10                    | OWHF03Z              | Insertion of Infusion Device into Abd Wall, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | OWHF0YZ              | Insertion of Other Device into Abdominal Wall, Open Approach | 99                 | Other OR gastroin         |
| 10                    | OWHF31Z              | Insertion of Radioact Elem into Abd Wall, Perc Approach      | 211                | Radiation therapy         |
| 10                    | OWHF33Z              | Insertion of Infusion Device into Abd Wall, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | OWHF3YZ              | Insertion of Other Device into Abdominal Wall, Perc Apprao   | 99                 | Other OR gastroin         |
| 10                    | OWHF41Z              | Insertion of Radioact Elem into Abd Wall, Perc Endo Apprao   | 211                | Radiation therapy         |
| 10                    | OWHF43Z              | Insertion of Infusion Dev into Abd Wall, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHF4YZ              | Insertion of Other Device into Abd Wall, Perc Endo Apprao    | 99                 | Other OR gastroin         |
| 10                    | OWHG01Z              | Insertion of Radioact Elem into Periton Cav, Open Approach   | 211                | Radiation therapy         |
| 10                    | OWHG03Z              | Insertion of Infusion Device into Periton Cav, Open Apprao   | 99                 | Other OR gastroin         |
| 10                    | OWHG0YZ              | Insertion of Other Device into Periton Cav, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | OWHG31Z              | Insertion of Radioact Elem into Periton Cav, Perc Approach   | 211                | Radiation therapy         |
| 10                    | OWHG33Z              | Insertion of Infusion Device into Periton Cav, Perc Apprao   | 99                 | Other OR gastroin         |
| 10                    | OWHG3YZ              | Insertion of Other Device into Periton Cav, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | OWHG41Z              | Insert of Radioact Elem into Periton Cav, Perc Endo Apprao   | 211                | Radiation therapy         |
| 10                    | OWHG43Z              | Insert of Infusion Dev into Periton Cav, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHG4YZ              | Insertion of Oth Dev into Periton Cav, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | OWHH01Z              | Insert of Radioact Elem into Retroperitoneum, Open Approach  | 211                | Radiation therapy         |
| 10                    | OWHH03Z              | Insert of Infusion Dev into Retroperitoneum, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | OWHH0YZ              | Insertion of Oth Dev into Retroperitoneum, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | OWHH31Z              | Insert of Radioact Elem into Retroperitoneum, Perc Approach  | 211                | Radiation therapy         |
| 10                    | OWHH33Z              | Insert of Infusion Dev into Retroperitoneum, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | OWHH3YZ              | Insertion of Oth Dev into Retroperitoneum, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | OWHH41Z              | Insert Radioact Elem in Retroperitoneum, Perc Endo           | 211                | Radiation therapy         |
| 10                    | OWHH43Z              | Insert Infusion Dev in Retroperitoneum, Perc Endo            | 99                 | Other OR gastroin         |
| 10                    | OWHH4YZ              | Insert of Oth Dev into Retroperitoneum, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | OWHJ01Z              | Insertion of Radioact Elem into Pelvic Cav, Open Approach    | 211                | Radiation therapy         |
| 10                    | OWHJ03Z              | Insertion of Infusion Device into Pelvic Cav, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHJ0YZ              | Insertion of Other Device into Pelvic Cavity, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHJ31Z              | Insertion of Radioact Elem into Pelvic Cav, Perc Approach    | 211                | Radiation therapy         |
| 10                    | OWHJ33Z              | Insertion of Infusion Device into Pelvic Cav, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHJ3YZ              | Insertion of Other Device into Pelvic Cavity, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | OWHJ41Z              | Insert of Radioact Elem into Pelvic Cav, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | OWHJ43Z              | Insert of Infusion Dev into Pelvic Cav, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | OWHJ4YZ              | Insertion of Oth Dev into Pelvic Cav, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | OWHK01Z              | Insertion of Radioactive Element into Up Back, Open Apprao   | 211                | Radiation therapy         |
| 10                    | OWHK31Z              | Insertion of Radioactive Element into Up Back, Perc Apprao   | 211                | Radiation therapy         |
| 10                    | OWHK41Z              | Insertion of Radioact Elem into Up Back, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | OWHL01Z              | Insertion of Radioact Elem into Low Back, Open Approach      | 211                | Radiation therapy         |
| 10                    | OWHL31Z              | Insertion of Radioact Elem into Low Back, Perc Approach      | 211                | Radiation therapy         |
| 10                    | OWHL41Z              | Insertion of Radioact Elem into Low Back, Perc Endo Apprao   | 211                | Radiation therapy         |
| 10                    | OWHM01Z              | Insertion of Radioact Elem into Male Perineum, Open Apprao   | 211                | Radiation therapy         |
| 10                    | OWHM31Z              | Insertion of Radioact Elem into Male Perineum, Perc Apprao   | 211                | Radiation therapy         |
| 10                    | OWHM41Z              | Insert Radioact Elem in Male Perineum, Perc Endo             | 211                | Radiation therapy         |
| 10                    | OWHN01Z              | Insertion of Radioact Elem into Fem Perineum, Open Approach  | 211                | Radiation therapy         |
| 10                    | OWHN03Z              | Insertion of Infusion Dev into Fem Perineum, Open Approach   | 132                | Other OR therapeu         |
| 10                    | OWHN0YZ              | Insertion of Other Device into Fem Perineum, Open Approach   | 132                | Other OR therapeu         |
| 10                    | OWHN31Z              | Insertion of Radioact Elem into Fem Perineum, Perc Approach  | 211                | Radiation therapy         |
| 10                    | OWHN33Z              | Insertion of Infusion Dev into Fem Perineum, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | OWHN3YZ              | Insertion of Other Device into Fem Perineum, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | OWHN41Z              | Insert Radioact Elem in Fem Perineum, Perc Endo              | 211                | Radiation therapy         |
| 10                    | OWHN43Z              | Insert of Infusion Dev into Fem Perineum, Perc Endo Apprao   | 132                | Other OR therapeu         |
| 10                    | OWHN4YZ              | Insertion of Oth Dev into Fem Perineum, Perc Endo Approach   | 132                | Other OR therapeu         |
| 10                    | OWHP01Z              | Insertion of Radioact Elem into GI Tract, Open Approach      | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0WHP03Z              | Insertion of Infusion Device into GI Tract, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WHP31Z              | Insertion of Radioact Elem into GI Tract, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0WHP41Z              | Insertion of Radioact Elem into GI Tract, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0WHP71Z              | Insertion of Radioactive Element into GI Tract, Via Openin  | 211                | Radiation therapy         |
| 10                    | 0WHP81Z              | Insertion of Radioactive Element into GI Tract, Endo        | 211                | Radiation therapy         |
| 10                    | 0WHQ01Z              | Insertion of Radioact Elem into Resp Tract, Open Approach   | 211                | Radiation therapy         |
| 10                    | 0WHQ31Z              | Insertion of Radioact Elem into Resp Tract, Perc Approach   | 211                | Radiation therapy         |
| 10                    | 0WHQ41Z              | Insert of Radioact Elem into Resp Tract, Perc Endo Approa   | 211                | Radiation therapy         |
| 10                    | 0WHQ71Z              | Insertion of Radioact Elem into Resp Tract, Via Opening     | 211                | Radiation therapy         |
| 10                    | 0WHQ81Z              | Insertion of Radioactive Element into Resp Tract, Endo      | 211                | Radiation therapy         |
| 10                    | 0WHR01Z              | Insertion of Radioact Elem into GU Tract, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0WHR31Z              | Insertion of Radioact Elem into GU Tract, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0WHR41Z              | Insertion of Radioact Elem into GU Tract, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0WHR71Z              | Insertion of Radioactive Element into GU Tract, Via Openin  | 211                | Radiation therapy         |
| 10                    | 0WHR81Z              | Insertion of Radioactive Element into GU Tract, Endo        | 211                | Radiation therapy         |
| 10                    | 0WJ80ZZ              | Inspection of Chest Wall, Open Approach                     | 40                 | Other diagnostic          |
| 10                    | 0WJ83ZZ              | Inspection of Chest Wall, Percutaneous Approach             | 40                 | Other diagnostic          |
| 10                    | 0WJ84ZZ              | Inspection of Chest Wall, Percutaneous Endoscopic Approach  | 40                 | Other diagnostic          |
| 10                    | 0WJ8XZZ              | Inspection of Chest Wall, External Approach                 | 40                 | Other diagnostic          |
| 10                    | 0WJ90ZZ              | Inspection of Right Pleural Cavity, Open Approach           | 40                 | Other diagnostic          |
| 10                    | 0WJ93ZZ              | Inspection of Right Pleural Cavity, Percutaneous Approach   | 40                 | Other diagnostic          |
| 10                    | 0WJ94ZZ              | Inspection of Right Pleural Cavity, Perc Endo Approach      | 40                 | Other diagnostic          |
| 10                    | 0WJ80ZZ              | Inspection of Left Pleural Cavity, Open Approach            | 40                 | Other diagnostic          |
| 10                    | 0WJ83ZZ              | Inspection of Left Pleural Cavity, Percutaneous Approach    | 40                 | Other diagnostic          |
| 10                    | 0WJ84ZZ              | Inspection of Left Pleural Cavity, Perc Endo Approach       | 40                 | Other diagnostic          |
| 10                    | 0WJC0ZZ              | Inspection of Mediastinum, Open Approach                    | 40                 | Other diagnostic          |
| 10                    | 0WJC3ZZ              | Inspection of Mediastinum, Percutaneous Approach            | 40                 | Other diagnostic          |
| 10                    | 0WJC4ZZ              | Inspection of Mediastinum, Percutaneous Endoscopic Approa   | 40                 | Other diagnostic          |
| 10                    | 0WJD0ZZ              | Inspection of Pericardial Cavity, Open Approach             | 62                 | Other diagnostic          |
| 10                    | 0WJD3ZZ              | Inspection of Pericardial Cavity, Percutaneous Approach     | 62                 | Other diagnostic          |
| 10                    | 0WJD4ZZ              | Inspection of Pericardial Cavity, Perc Endo Approach        | 62                 | Other diagnostic          |
| 10                    | 0WJK0ZZ              | Inspection of Upper Back, Open Approach                     | 159                | Other diagnostic          |
| 10                    | 0WJK3ZZ              | Inspection of Upper Back, Percutaneous Approach             | 159                | Other diagnostic          |
| 10                    | 0WJK4ZZ              | Inspection of Upper Back, Percutaneous Endoscopic Approach  | 159                | Other diagnostic          |
| 10                    | 0WJKXZZ              | Inspection of Upper Back, External Approach                 | 159                | Other diagnostic          |
| 10                    | 0WJL0ZZ              | Inspection of Lower Back, Open Approach                     | 159                | Other diagnostic          |
| 10                    | 0WJL3ZZ              | Inspection of Lower Back, Percutaneous Approach             | 159                | Other diagnostic          |
| 10                    | 0WJL4ZZ              | Inspection of Lower Back, Percutaneous Endoscopic Approach  | 159                | Other diagnostic          |
| 10                    | 0WJLXZZ              | Inspection of Lower Back, External Approach                 | 159                | Other diagnostic          |
| 10                    | 0WJQ0ZZ              | Inspection of Respiratory Tract, Open Approach              | 40                 | Other diagnostic          |
| 10                    | 0WJQ3ZZ              | Inspection of Respiratory Tract, Percutaneous Approach      | 40                 | Other diagnostic          |
| 10                    | 0WJQ4ZZ              | Inspection of Respiratory Tract, Perc Endo Approach         | 40                 | Other diagnostic          |
| 10                    | 0WJQ7ZZ              | Inspection of Respiratory Tract, Via Opening Approach       | 40                 | Other diagnostic          |
| 10                    | 0WJQ8ZZ              | Inspection of Respiratory Tract, Endo Approach              | 40                 | Other diagnostic          |
| 10                    | 0WM40ZZ              | Reattachment of Upper Jaw, Open Approach                    | 33                 | Other OR procedur         |
| 10                    | 0WM50ZZ              | Reattachment of Lower Jaw, Open Approach                    | 33                 | Other OR procedur         |
| 10                    | 0WMF0ZZ              | Reattachment of Abdominal Wall, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0WMNGZZ              | Reattachment of Female Perineum, Open Approach              | 132                | Other OR therapeu         |
| 10                    | 0WP100Z              | Removal of Drainage Device from Cranial Cav, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 0WP101Z              | Removal of Radioact Elem from Cranial Cav, Open Approach    | 9                  | Other OR therapeu         |
| 10                    | 0WP10JZ              | Removal of Synth Sub from Cranial Cav, Open Approach        | 9                  | Other OR therapeu         |
| 10                    | 0WP10YZ              | Removal of Other Device from Cranial Cavity, Open Approach  | 9                  | Other OR therapeu         |
| 10                    | 0WP130Z              | Removal of Drainage Device from Cranial Cav, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 0WP131Z              | Removal of Radioact Elem from Cranial Cav, Perc Approach    | 9                  | Other OR therapeu         |
| 10                    | 0WP13JZ              | Removal of Synth Sub from Cranial Cav, Perc Approach        | 9                  | Other OR therapeu         |
| 10                    | 0WP13YZ              | Removal of Other Device from Cranial Cavity, Perc Approach  | 9                  | Other OR therapeu         |
| 10                    | 0WP140Z              | Removal of Drain Dev from Cranial Cav, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 0WP141Z              | Remove of Radioact Elem from Cranial Cav, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 0WP14JZ              | Removal of Synth Sub from Cranial Cav, Perc Endo Approach   | 9                  | Other OR therapeu         |
| 10                    | 0WP14YZ              | Removal of Other Device from Cranial Cav, Perc Endo Approa  | 9                  | Other OR therapeu         |
| 10                    | 0WPD00Z              | Removal of Drainage Device from Pericard Cav, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 0WPD01Z              | Removal of Radioact Elem from Pericard Cav, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WPD03Z              | Removal of Infusion Device from Pericard Cav, Open Approach | 49                 | Other OR heart pr         |
| 10                    | 0WPD0YZ              | Removal of Other Device from Pericard Cav, Open Approach    | 49                 | Other OR heart pr         |
| 10                    | 0WPD30Z              | Removal of Drainage Device from Pericard Cav, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 0WPD31Z              | Removal of Radioact Elem from Pericard Cav, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WPD33Z              | Removal of Infusion Device from Pericard Cav, Perc Approach | 49                 | Other OR heart pr         |
| 10                    | 0WPD3YZ              | Removal of Other Device from Pericard Cav, Perc Approach    | 49                 | Other OR heart pr         |
| 10                    | 0WPD40Z              | Removal of Drain Dev from Pericard Cav, Perc Endo Approach  | 49                 | Other OR heart pr         |
| 10                    | 0WPD41Z              | Remove Radioact Elem from Pericard Cav, Perc Endo           | 49                 | Other OR heart pr         |
| 10                    | 0WPD43Z              | Remove of Infusion Dev from Pericard Cav, Perc Endo Approa  | 49                 | Other OR heart pr         |
| 10                    | 0WPD4YZ              | Removal of Oth Dev from Pericard Cav, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 0WPF00Z              | Removal of Drainage Device from Abd Wall, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPF01Z              | Removal of Radioactive Element from Abd Wall, Open Approa   | 99                 | Other OR gastroin         |
| 10                    | 0WPF03Z              | Removal of Infusion Device from Abd Wall, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPF07Z              | Removal of Autol Sub from Abd Wall, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0WPF0JZ              | Removal of Synthetic Substitute from Abd Wall, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | 0WPF0KZ              | Removal of Nonaut Sub from Abd Wall, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0WPF0YZ              | Removal of Other Device from Abdominal Wall, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPF30Z              | Removal of Drainage Device from Abd Wall, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPF31Z              | Removal of Radioactive Element from Abd Wall, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0WPF33Z              | Removal of Infusion Device from Abd Wall, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPF37Z              | Removal of Autol Sub from Abd Wall, Perc Approach           | 99                 | Other OR gastroin         |
| 10                    | 0WPF3JZ              | Removal of Synthetic Substitute from Abd Wall, Perc Approa  | 99                 | Other OR gastroin         |
| 10                    | 0WPF3KZ              | Removal of Nonaut Sub from Abd Wall, Perc Approach          | 99                 | Other OR gastroin         |
| 10                    | 0WPF3YZ              | Removal of Other Device from Abdominal Wall, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPF40Z              | Removal of Drainage Device from Abd Wall, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0WPF41Z              | Removal of Radioact Elem from Abd Wall, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPF43Z              | Removal of Infusion Device from Abd Wall, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0WPF47Z              | Removal of Autol Sub from Abd Wall, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0WPF4JZ              | Removal of Synth Sub from Abd Wall, Perc Endo Approach      | 99                 | Other OR gastroin         |
| 10                    | 0WPF4KZ              | Removal of Nonaut Sub from Abd Wall, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPF4YZ              | Removal of Other Device from Abd Wall, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WPG00Z              | Removal of Drainage Device from Periton Cav, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPG01Z              | Removal of Radioact Elem from Periton Cav, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WPG03Z              | Removal of Infusion Device from Periton Cav, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPG0JZ              | Removal of Synth Sub from Periton Cav, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0WPG0YZ              | Removal of Other Device from Periton Cav, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPG30Z              | Removal of Drainage Device from Periton Cav, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPG31Z              | Removal of Radioact Elem from Periton Cav, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WPG33Z              | Removal of Infusion Device from Periton Cav, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WPG3JZ              | Removal of Synth Sub from Periton Cav, Perc Approach        | 99                 | Other OR gastroin         |
| 10                    | 0WPG3YZ              | Removal of Other Device from Periton Cav, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WPG40Z              | Removal of Drain Dev from Periton Cav, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WPG41Z              | Remove of Radioact Elem from Periton Cav, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | 0WPG43Z              | Removal of Infusion Dev from Periton Cav, Perc Endo Approa  | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | OWPG4JZ              | Removal of Synth Sub from Periton Cav, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | OWPG4YZ              | Removal of Other Device from Periton Cav, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | OWPH00Z              | Removal of Drain Dev from Retroperitoneum, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | OWPH01Z              | Removal of Radioact Elem from Retroperitoneum, Open Approa  | 99                 | Other OR gastroin         |
| 10                    | OWPH03Z              | Removal of Infusion Dev from Retroperitoneum, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OWPH0YZ              | Removal of Other Device from Retroperitoneum, Open Approac  | 99                 | Other OR gastroin         |
| 10                    | OWPH30Z              | Removal of Drain Dev from Retroperitoneum, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | OWPH31Z              | Removal of Radioact Elem from Retroperitoneum, Perc Approa  | 99                 | Other OR gastroin         |
| 10                    | OWPH33Z              | Removal of Infusion Dev from Retroperitoneum, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OWPH3YZ              | Removal of Other Device from Retroperitoneum, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | OWPH40Z              | Remove of Drain Dev from Retroperitoneum, Perc Endo Approa  | 99                 | Other OR gastroin         |
| 10                    | OWPH41Z              | Remove Radioact Elem from Retroperitoneum, Perc Endo        | 99                 | Other OR gastroin         |
| 10                    | OWPH43Z              | Remove Infusion Dev from Retroperitoneum, Perc Endo         | 99                 | Other OR gastroin         |
| 10                    | OWPH4YZ              | Removal of Oth Dev from Retroperitoneum, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | OWPN00Z              | Removal of Drainage Device from Fem Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | OWPN01Z              | Removal of Radioact Elem from Fem Perineum, Open Approach   | 132                | Other OR therapeu         |
| 10                    | OWPN03Z              | Removal of Infusion Device from Fem Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | OWPN07Z              | Removal of Autol Sub from Fem Perineum, Open Approach       | 132                | Other OR therapeu         |
| 10                    | OWPN0JZ              | Removal of Synth Sub from Fem Perineum, Open Approach       | 132                | Other OR therapeu         |
| 10                    | OWPN0KZ              | Removal of Nonaut Sub from Fem Perineum, Open Approach      | 132                | Other OR therapeu         |
| 10                    | OWPN0YZ              | Removal of Other Device from Female Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | OWPN30Z              | Removal of Drainage Device from Fem Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | OWPN31Z              | Removal of Radioact Elem from Fem Perineum, Perc Approach   | 132                | Other OR therapeu         |
| 10                    | OWPN33Z              | Removal of Infusion Device from Fem Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | OWPN37Z              | Removal of Autol Sub from Fem Perineum, Perc Approach       | 132                | Other OR therapeu         |
| 10                    | OWPN3JZ              | Removal of Synth Sub from Fem Perineum, Perc Approach       | 132                | Other OR therapeu         |
| 10                    | OWPN3KZ              | Removal of Nonaut Sub from Fem Perineum, Perc Approach      | 132                | Other OR therapeu         |
| 10                    | OWPN3YZ              | Removal of Other Device from Female Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | OWPN40Z              | Removal of Drain Dev from Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | OWPN41Z              | Remove Radioact Elem from Fem Perineum, Perc Endo           | 132                | Other OR therapeu         |
| 10                    | OWPN43Z              | Remove of Infusion Dev from Fem Perineum, Perc Endo Approa  | 132                | Other OR therapeu         |
| 10                    | OWPN47Z              | Removal of Autol Sub from Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | OWPN4JZ              | Removal of Synth Sub from Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | OWPN4KZ              | Removal of Nonaut Sub from Fem Perineum, Perc Endo Approach | 132                | Other OR therapeu         |
| 10                    | OWPN4YZ              | Removal of Oth Dev from Fem Perineum, Perc Endo Approach    | 132                | Other OR therapeu         |
| 10                    | OWPP01Z              | Removal of Radioactive Element from GI Tract, Open Approach | 99                 | Other OR gastroin         |
| 10                    | OWPP03Z              | Removal of Infusion Device from GI Tract, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | OWPP0YZ              | Removal of Other Device from GI Tract, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | OWQ40ZZ              | Repair Upper Jaw, Open Approach                             | 33                 | Other OR procedur         |
| 10                    | OWQ43ZZ              | Repair Upper Jaw, Percutaneous Approach                     | 33                 | Other OR procedur         |
| 10                    | OWQ44ZZ              | Repair Upper Jaw, Percutaneous Endoscopic Approach          | 33                 | Other OR procedur         |
| 10                    | OWQ4XZZ              | Repair Upper Jaw, External Approach                         | 33                 | Other OR procedur         |
| 10                    | OWQ50ZZ              | Repair Lower Jaw, Open Approach                             | 33                 | Other OR procedur         |
| 10                    | OWQ53ZZ              | Repair Lower Jaw, Percutaneous Approach                     | 33                 | Other OR procedur         |
| 10                    | OWQ54ZZ              | Repair Lower Jaw, Percutaneous Endoscopic Approach          | 33                 | Other OR procedur         |
| 10                    | OWQ5XZZ              | Repair Lower Jaw, External Approach                         | 33                 | Other OR procedur         |
| 10                    | OWQ6XZZ              | Repair Neck, Stoma, External Approach                       | 175                | Other OR therapeu         |
| 10                    | OWQF0ZZ              | Repair Abdominal Wall, Open Approach                        | 99                 | Other OR gastroin         |
| 10                    | OWQF3ZZ              | Repair Abdominal Wall, Percutaneous Approach                | 99                 | Other OR gastroin         |
| 10                    | OWQF4ZZ              | Repair Abdominal Wall, Percutaneous Endoscopic Approach     | 99                 | Other OR gastroin         |
| 10                    | OWQFXZZ              | Repair Abdominal Wall, Stoma, External Approach             | 99                 | Other OR gastroin         |
| 10                    | OWQFXZZ              | Repair Abdominal Wall, External Approach                    | 99                 | Other OR gastroin         |
| 10                    | OWQN0ZZ              | Repair Female Perineum, Open Approach                       | 132                | Other OR therapeu         |
| 10                    | OWQN3ZZ              | Repair Female Perineum, Percutaneous Approach               | 132                | Other OR therapeu         |
| 10                    | OWQN4ZZ              | Repair Female Perineum, Percutaneous Endoscopic Approach    | 132                | Other OR therapeu         |
| 10                    | OWU007Z              | Supplement Head with Autol Sub, Open Approach               | 172                | Skin graft                |
| 10                    | OWU047Z              | Supplement Head with Autol Sub, Perc Endo Approach          | 172                | Skin graft                |
| 10                    | OWU207Z              | Supplement Face with Autol Sub, Open Approach               | 172                | Skin graft                |
| 10                    | OWU247Z              | Supplement Face with Autol Sub, Perc Endo Approach          | 172                | Skin graft                |
| 10                    | OWU407Z              | Supplement Upper Jaw with Autol Sub, Open Approach          | 33                 | Other OR procedur         |
| 10                    | OWU40JZ              | Supplement Upper Jaw with Synth Sub, Open Approach          | 33                 | Other OR procedur         |
| 10                    | OWU40KZ              | Supplement Upper Jaw with Nonaut Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | OWU447Z              | Supplement Upper Jaw with Autol Sub, Perc Endo Approach     | 33                 | Other OR procedur         |
| 10                    | OWU44JZ              | Supplement Upper Jaw with Synth Sub, Perc Endo Approach     | 33                 | Other OR procedur         |
| 10                    | OWU44KZ              | Supplement Upper Jaw with Nonaut Sub, Perc Endo Approach    | 33                 | Other OR procedur         |
| 10                    | OWU507Z              | Supplement Lower Jaw with Autol Sub, Open Approach          | 33                 | Other OR procedur         |
| 10                    | OWU50JZ              | Supplement Lower Jaw with Synth Sub, Open Approach          | 33                 | Other OR procedur         |
| 10                    | OWU50KZ              | Supplement Lower Jaw with Nonaut Sub, Open Approach         | 33                 | Other OR procedur         |
| 10                    | OWU547Z              | Supplement Lower Jaw with Autol Sub, Perc Endo Approach     | 33                 | Other OR procedur         |
| 10                    | OWU54JZ              | Supplement Lower Jaw with Synth Sub, Perc Endo Approach     | 33                 | Other OR procedur         |
| 10                    | OWU54KZ              | Supplement Lower Jaw with Nonaut Sub, Perc Endo Approach    | 33                 | Other OR procedur         |
| 10                    | OWU607Z              | Supplement Neck with Autol Sub, Open Approach               | 172                | Skin graft                |
| 10                    | OWU647Z              | Supplement Neck with Autol Sub, Perc Endo Approach          | 172                | Skin graft                |
| 10                    | OWU67Z               | Supplement Abdominal Wall with Autol Sub, Open Approach     | 86                 | Other hernia repa         |
| 10                    | OWU67Z               | Supplement Abdominal Wall with Synth Sub, Open Approach     | 86                 | Other hernia repa         |
| 10                    | OWU60KZ              | Supplement Abdominal Wall with Nonaut Sub, Open Approach    | 86                 | Other hernia repa         |
| 10                    | OWU647Z              | Supplement Abdominal Wall with Autol Sub, Perc Endo Approa  | 86                 | Other hernia repa         |
| 10                    | OWU64JZ              | Supplement Abdominal Wall with Synth Sub, Perc Endo Approa  | 86                 | Other hernia repa         |
| 10                    | OWU64KZ              | Supplement Abd Wall with Nonaut Sub, Perc Endo Approach     | 86                 | Other hernia repa         |
| 10                    | OWUN07Z              | Supplement Female Perineum with Autol Sub, Open Approach    | 132                | Other OR therapeu         |
| 10                    | OWUN0JZ              | Supplement Female Perineum with Synth Sub, Open Approach    | 132                | Other OR therapeu         |
| 10                    | OWUN0KZ              | Supplement Female Perineum with Nonaut Sub, Open Approach   | 132                | Other OR therapeu         |
| 10                    | OWUN47Z              | Supplement Fem Perineum with Autol Sub, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | OWUN4JZ              | Supplement Fem Perineum with Synth Sub, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | OWUN4KZ              | Supplement Fem Perineum with Nonaut Sub, Perc Endo Approac  | 132                | Other OR therapeu         |
| 10                    | OWW001Z              | Revision of Radioactive Element in Head, Open Approach      | 211                | Radiation therapy         |
| 10                    | OWW031Z              | Revision of Radioactive Element in Head, Perc Approach      | 211                | Radiation therapy         |
| 10                    | OWW041Z              | Revision of Radioactive Element in Head, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | OWW0X1Z              | Revision of Radioactive Element in Head, External Approach  | 211                | Radiation therapy         |
| 10                    | OWW100Z              | Revision of Drainage Device in Cranial Cavity, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | OWW101Z              | Revision of Radioact Elem in Cranial Cav, Open Approach     | 211                | Radiation therapy         |
| 10                    | OWW103Z              | Revision of Infusion Device in Cranial Cavity, Open Approa  | 9                  | Other OR therapeu         |
| 10                    | OWW10JZ              | Revision of Synth Sub in Cranial Cav, Open Approach         | 9                  | Other OR therapeu         |
| 10                    | OWW10YZ              | Revision of Other Device in Cranial Cavity, Open Approach   | 9                  | Other OR therapeu         |
| 10                    | OWW130Z              | Revision of Drainage Device in Cranial Cavity, Perc Approa  | 9                  | Other OR therapeu         |
| 10                    | OWW131Z              | Revision of Radioact Elem in Cranial Cav, Perc Approach     | 211                | Radiation therapy         |
| 10                    | OWW133Z              | Revision of Infusion Device in Cranial Cavity, Perc Approa  | 9                  | Other OR therapeu         |
| 10                    | OWW13JZ              | Revision of Synth Sub in Cranial Cav, Perc Approach         | 9                  | Other OR therapeu         |
| 10                    | OWW13YZ              | Revision of Other Device in Cranial Cavity, Perc Approach   | 9                  | Other OR therapeu         |
| 10                    | OWW140Z              | Revision of Drain Dev in Cranial Cav, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | OWW141Z              | Revision of Radioact Elem in Cranial Cav, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | OWW143Z              | Revision of Infusion Dev in Cranial Cav, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | OWW14JZ              | Revision of Synth Sub in Cranial Cav, Perc Endo Approach    | 9                  | Other OR therapeu         |
| 10                    | OWW14YZ              | Revision of Other Device in Cranial Cav, Perc Endo Approac  | 9                  | Other OR therapeu         |
| 10                    | OWW1X1Z              | Revision of Radioact Elem in Cranial Cav, Extern Approach   | 211                | Radiation therapy         |
| 10                    | OWW201Z              | Revision of Radioactive Element in Face, Open Approach      | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0WW231Z              | Revision of Radioactive Element in Face, Perc Approach       | 211                | Radiation therapy         |
| 10                    | 0WW241Z              | Revision of Radioactive Element in Face, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WW2X1Z              | Revision of Radioactive Element in Face, External Approach   | 211                | Radiation therapy         |
| 10                    | 0WW401Z              | Revision of Radioactive Element in Upper Jaw, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0WW431Z              | Revision of Radioactive Element in Upper Jaw, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0WW441Z              | Revision of Radioact Elem in Up Jaw, Perc Endo Approach      | 211                | Radiation therapy         |
| 10                    | 0WW4X1Z              | Revision of Radioactive Element in Up Jaw, Extern Approach   | 211                | Radiation therapy         |
| 10                    | 0WW501Z              | Revision of Radioactive Element in Lower Jaw, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0WW531Z              | Revision of Radioactive Element in Lower Jaw, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0WW541Z              | Revision of Radioact Elem in Low Jaw, Perc Endo Approach     | 211                | Radiation therapy         |
| 10                    | 0WW5X1Z              | Revision of Radioactive Element in Low Jaw, Extern Approach  | 211                | Radiation therapy         |
| 10                    | 0WW601Z              | Revision of Radioactive Element in Neck, Open Approach       | 211                | Radiation therapy         |
| 10                    | 0WW631Z              | Revision of Radioactive Element in Neck, Perc Approach       | 211                | Radiation therapy         |
| 10                    | 0WW641Z              | Revision of Radioactive Element in Neck, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WW6X1Z              | Revision of Radioactive Element in Neck, External Approach   | 211                | Radiation therapy         |
| 10                    | 0WW801Z              | Revision of Radioactive Element in Chest Wall, Open Approach | 211                | Radiation therapy         |
| 10                    | 0WW831Z              | Revision of Radioactive Element in Chest Wall, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0WW841Z              | Revision of Radioact Elem in Chest Wall, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WW8X1Z              | Revision of Radioact Elem in Chest Wall, Extern Approach     | 211                | Radiation therapy         |
| 10                    | 0WW901Z              | Revision of Radioact Elem in R Pleural Cav, Open Approach    | 211                | Radiation therapy         |
| 10                    | 0WW931Z              | Revision of Radioact Elem in R Pleural Cav, Perc Approach    | 211                | Radiation therapy         |
| 10                    | 0WW941Z              | Revise of Radioact Elem in R Pleural Cav, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0WW9X1Z              | Revision of Radioact Elem in R Pleural Cav, Extern Approach  | 211                | Radiation therapy         |
| 10                    | 0WWB01Z              | Revision of Radioact Elem in L Pleural Cav, Open Approach    | 211                | Radiation therapy         |
| 10                    | 0WWB31Z              | Revision of Radioact Elem in L Pleural Cav, Perc Approach    | 211                | Radiation therapy         |
| 10                    | 0WWB41Z              | Revise of Radioact Elem in L Pleural Cav, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0WWB81Z              | Revision of Radioact Elem in L Pleural Cav, Extern Approach  | 211                | Radiation therapy         |
| 10                    | 0WWC01Z              | Revision of Radioact Elem in Mediastinum, Open Approach      | 211                | Radiation therapy         |
| 10                    | 0WWC31Z              | Revision of Radioact Elem in Mediastinum, Perc Approach      | 211                | Radiation therapy         |
| 10                    | 0WWC41Z              | Revision of Radioact Elem in Mediastinum, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0WWCX1Z              | Revision of Radioact Elem in Mediastinum, Extern Approach    | 211                | Radiation therapy         |
| 10                    | 0WWD00Z              | Revision of Drainage Device in Pericard Cav, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WWD01Z              | Revision of Radioact Elem in Pericard Cav, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0WWD03Z              | Revision of Infusion Device in Pericard Cav, Open Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WWD0YZ              | Revision of Other Device in Pericard Cav, Open Approach      | 49                 | Other OR heart pr         |
| 10                    | 0WWD30Z              | Revision of Drainage Device in Pericard Cav, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WWD31Z              | Revision of Radioact Elem in Pericard Cav, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0WWD33Z              | Revision of Infusion Device in Pericard Cav, Perc Approach   | 49                 | Other OR heart pr         |
| 10                    | 0WWD3YZ              | Revision of Other Device in Pericard Cav, Perc Approach      | 49                 | Other OR heart pr         |
| 10                    | 0WWD40Z              | Revision of Drain Dev in Pericard Cav, Perc Endo Approach    | 49                 | Other OR heart pr         |
| 10                    | 0WWD41Z              | Revise of Radioact Elem in Pericard Cav, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WWD43Z              | Revision of Infusion Dev in Pericard Cav, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 0WWD4YZ              | Revision of Other Device in Pericard Cav, Perc Endo Approach | 49                 | Other OR heart pr         |
| 10                    | 0WWDX1Z              | Revision of Radioact Elem in Pericard Cav, Extern Approach   | 211                | Radiation therapy         |
| 10                    | 0WWF00Z              | Revision of Drainage Device in Abdominal Wall, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWF01Z              | Revision of Radioactive Element in Abd Wall, Open Approach   | 211                | Radiation therapy         |
| 10                    | 0WWF03Z              | Revision of Infusion Device in Abdominal Wall, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWF07Z              | Revision of Autol Sub in Abd Wall, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0WWF0JZ              | Revision of Synthetic Substitute in Abd Wall, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWF0KZ              | Revision of Nonaut Sub in Abd Wall, Open Approach            | 99                 | Other OR gastroin         |
| 10                    | 0WWF0YZ              | Revision of Other Device in Abdominal Wall, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWF30Z              | Revision of Drainage Device in Abdominal Wall, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWF31Z              | Revision of Radioactive Element in Abd Wall, Perc Approach   | 211                | Radiation therapy         |
| 10                    | 0WWF33Z              | Revision of Infusion Device in Abdominal Wall, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWF37Z              | Revision of Autol Sub in Abd Wall, Perc Approach             | 99                 | Other OR gastroin         |
| 10                    | 0WWF3JZ              | Revision of Synthetic Substitute in Abd Wall, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWF3KZ              | Revision of Nonaut Sub in Abd Wall, Perc Approach            | 99                 | Other OR gastroin         |
| 10                    | 0WWF3YZ              | Revision of Other Device in Abdominal Wall, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWF40Z              | Revision of Drainage Device in Abd Wall, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWF41Z              | Revision of Radioact Elem in Abd Wall, Perc Endo Approach    | 211                | Radiation therapy         |
| 10                    | 0WWF43Z              | Revision of Infusion Device in Abd Wall, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWF47Z              | Revision of Autol Sub in Abd Wall, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0WWF4JZ              | Revision of Synth Sub in Abd Wall, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0WWF4KZ              | Revision of Nonaut Sub in Abd Wall, Perc Endo Approach       | 99                 | Other OR gastroin         |
| 10                    | 0WWF4YZ              | Revision of Other Device in Abd Wall, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWFX1Z              | Revision of Radioactive Element in Abd Wall, Extern Approach | 211                | Radiation therapy         |
| 10                    | 0WWG00Z              | Revision of Drainage Device in Periton Cav, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWG01Z              | Revision of Radioact Elem in Periton Cav, Open Approach      | 211                | Radiation therapy         |
| 10                    | 0WWG03Z              | Revision of Infusion Device in Periton Cav, Open Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWG0JZ              | Revision of Synth Sub in Periton Cav, Open Approach          | 99                 | Other OR gastroin         |
| 10                    | 0WWG0YZ              | Revision of Other Device in Peritoneal Cavity, Open Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWG30Z              | Revision of Drainage Device in Periton Cav, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWG31Z              | Revision of Radioact Elem in Periton Cav, Perc Approach      | 211                | Radiation therapy         |
| 10                    | 0WWG33Z              | Revision of Infusion Device in Periton Cav, Perc Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWG3JZ              | Revision of Synth Sub in Periton Cav, Perc Approach          | 99                 | Other OR gastroin         |
| 10                    | 0WWG3YZ              | Revision of Other Device in Peritoneal Cavity, Perc Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWG40Z              | Revision of Drain Dev in Periton Cav, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWG41Z              | Revision of Radioact Elem in Periton Cav, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0WWG43Z              | Revision of Infusion Dev in Periton Cav, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWG4JZ              | Revision of Synth Sub in Periton Cav, Perc Endo Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWG4YZ              | Revision of Other Device in Periton Cav, Perc Endo Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWGX1Z              | Revision of Radioact Elem in Periton Cav, Extern Approach    | 211                | Radiation therapy         |
| 10                    | 0WWH00Z              | Revision of Drain Dev in Retroperitoneum, Open Approach      | 99                 | Other OR gastroin         |
| 10                    | 0WWH01Z              | Revision of Radioact Elem in Retroperitoneum, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0WWH03Z              | Revision of Infusion Dev in Retroperitoneum, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WWH0YZ              | Revision of Other Device in Retroperitoneum, Open Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WWH30Z              | Revision of Drain Dev in Retroperitoneum, Perc Approach      | 99                 | Other OR gastroin         |
| 10                    | 0WWH31Z              | Revision of Radioact Elem in Retroperitoneum, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0WWH33Z              | Revision of Infusion Dev in Retroperitoneum, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WWH3YZ              | Revision of Other Device in Retroperitoneum, Perc Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WWH40Z              | Revision of Drain Dev in Retroperitoneum, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWH41Z              | Revise Radioact Elem in Retroperitoneum, Perc Endo           | 211                | Radiation therapy         |
| 10                    | 0WWH43Z              | Revise Infusion Dev in Retroperitoneum, Perc Endo            | 99                 | Other OR gastroin         |
| 10                    | 0WWH4YZ              | Revision of Oth Dev in Retroperitoneum, Perc Endo Approach   | 99                 | Other OR gastroin         |
| 10                    | 0WWHX1Z              | Revise of Radioact Elem in Retroperitoneum, Extern Approach  | 211                | Radiation therapy         |
| 10                    | 0WWJ00Z              | Revision of Drainage Device in Pelvic Cavity, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWJ01Z              | Revision of Radioactive Element in Pelvic Cav, Open Approach | 211                | Radiation therapy         |
| 10                    | 0WWJ03Z              | Revision of Infusion Device in Pelvic Cavity, Open Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWJ0JZ              | Revision of Synth Sub in Pelvic Cav, Open Approach           | 99                 | Other OR gastroin         |
| 10                    | 0WWJ0YZ              | Revision of Other Device in Pelvic Cavity, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWJ30Z              | Revision of Drainage Device in Pelvic Cavity, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWJ31Z              | Revision of Radioactive Element in Pelvic Cav, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0WWJ33Z              | Revision of Infusion Device in Pelvic Cavity, Perc Approach  | 99                 | Other OR gastroin         |
| 10                    | 0WWJ3JZ              | Revision of Synth Sub in Pelvic Cav, Perc Approach           | 99                 | Other OR gastroin         |
| 10                    | 0WWJ3YZ              | Revision of Other Device in Pelvic Cavity, Perc Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWJ40Z              | Revision of Drain Dev in Pelvic Cav, Perc Endo Approach      | 99                 | Other OR gastroin         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0WWJ41Z              | Revision of Radioact Elem in Pelvic Cav, Perc Endo Approac | 211                | Radiation therapy         |
| 10                    | 0WWJ43Z              | Revision of Infusion Dev in Pelvic Cav, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWJ4JZ              | Revision of Synth Sub in Pelvic Cav, Perc Endo Approach    | 99                 | Other OR gastroin         |
| 10                    | 0WWJ4YZ              | Revision of Other Device in Pelvic Cav, Perc Endo Approach | 99                 | Other OR gastroin         |
| 10                    | 0WWJX1Z              | Revision of Radioact Elem in Pelvic Cav, Extern Approach   | 211                | Radiation therapy         |
| 10                    | 0WWK01Z              | Revision of Radioactive Element in Upper Back, Open Appra  | 211                | Radiation therapy         |
| 10                    | 0WWK31Z              | Revision of Radioactive Element in Upper Back, Perc Appra  | 211                | Radiation therapy         |
| 10                    | 0WWK41Z              | Revision of Radioact Elem in Up Back, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0WWKX1Z              | Revision of Radioactive Element in Up Back, Extern Approac | 211                | Radiation therapy         |
| 10                    | 0WWL01Z              | Revision of Radioactive Element in Lower Back, Open Appra  | 211                | Radiation therapy         |
| 10                    | 0WWL31Z              | Revision of Radioactive Element in Lower Back, Perc Appra  | 211                | Radiation therapy         |
| 10                    | 0WWL41Z              | Revision of Radioact Elem in Low Back, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WWLX1Z              | Revision of Radioactive Element in Low Back, Extern Appra  | 211                | Radiation therapy         |
| 10                    | 0WWM01Z              | Revision of Radioact Elem in Male Perineum, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0WWM31Z              | Revision of Radioact Elem in Male Perineum, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0WWM41Z              | Revise of Radioact Elem in Male Perineum, Perc Endo Appra  | 211                | Radiation therapy         |
| 10                    | 0WWMX1Z              | Revision of Radioact Elem in Male Perineum, Extern Approac | 211                | Radiation therapy         |
| 10                    | 0WWN00Z              | Revision of Drainage Device in Fem Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN01Z              | Revision of Radioact Elem in Fem Perineum, Open Approach   | 211                | Radiation therapy         |
| 10                    | 0WWN03Z              | Revision of Infusion Device in Fem Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN07Z              | Revision of Autol Sub in Fem Perineum, Open Approach       | 132                | Other OR therapeu         |
| 10                    | 0WWN0IZ              | Revision of Synth Sub in Fem Perineum, Open Approach       | 132                | Other OR therapeu         |
| 10                    | 0WWN0KZ              | Revision of Nonaub Sub in Fem Perineum, Open Approach      | 132                | Other OR therapeu         |
| 10                    | 0WWN0YZ              | Revision of Other Device in Female Perineum, Open Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN30Z              | Revision of Drainage Device in Fem Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN31Z              | Revision of Radioact Elem in Fem Perineum, Perc Approach   | 211                | Radiation therapy         |
| 10                    | 0WWN33Z              | Revision of Infusion Device in Fem Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN37Z              | Revision of Autol Sub in Fem Perineum, Perc Approach       | 132                | Other OR therapeu         |
| 10                    | 0WWN3IZ              | Revision of Synth Sub in Fem Perineum, Perc Approach       | 132                | Other OR therapeu         |
| 10                    | 0WWN3KZ              | Revision of Nonaub Sub in Fem Perineum, Perc Approach      | 132                | Other OR therapeu         |
| 10                    | 0WWN3YZ              | Revision of Other Device in Female Perineum, Perc Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN40Z              | Revision of Drain Dev in Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | 0WWN41Z              | Revise of Radioact Elem in Fem Perineum, Perc Endo Appra   | 211                | Radiation therapy         |
| 10                    | 0WWN43Z              | Revision of Infusion Dev in Fem Perineum, Perc Endo Appra  | 132                | Other OR therapeu         |
| 10                    | 0WWN47Z              | Revision of Autol Sub in Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | 0WWN4JZ              | Revision of Synth Sub in Fem Perineum, Perc Endo Approach  | 132                | Other OR therapeu         |
| 10                    | 0WWN4KZ              | Revision of Nonaub Sub in Fem Perineum, Perc Endo Approach | 132                | Other OR therapeu         |
| 10                    | 0WWN4YZ              | Revision of Other Device in Fem Perineum, Perc Endo Appra  | 132                | Other OR therapeu         |
| 10                    | 0WWNX1Z              | Revision of Radioact Elem in Fem Perineum, Extern Approach | 211                | Radiation therapy         |
| 10                    | 0WWP01Z              | Revision of Radioactive Element in GI Tract, Open Approach | 211                | Radiation therapy         |
| 10                    | 0WWP03Z              | Revision of Infusion Device in GI Tract, Open Approach     | 99                 | Other OR gastroin         |
| 10                    | 0WWP0YZ              | Revision of Other Device in GI Tract, Open Approach        | 99                 | Other OR gastroin         |
| 10                    | 0WWP31Z              | Revision of Radioactive Element in GI Tract, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0WWP41Z              | Revision of Radioact Elem in GI Tract, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WWP71Z              | Revision of Radioactive Element in GI Tract, Via Opening   | 211                | Radiation therapy         |
| 10                    | 0WWP81Z              | Revision of Radioactive Element in GI Tract, Endo          | 211                | Radiation therapy         |
| 10                    | 0WWPX1Z              | Revision of Radioactive Element in GI Tract, Extern Appra  | 211                | Radiation therapy         |
| 10                    | 0WWQ01Z              | Revision of Radioactive Element in Resp Tract, Open Appra  | 211                | Radiation therapy         |
| 10                    | 0WWQ31Z              | Revision of Radioactive Element in Resp Tract, Perc Appra  | 211                | Radiation therapy         |
| 10                    | 0WWQ41Z              | Revision of Radioact Elem in Resp Tract, Perc Endo Appra   | 211                | Radiation therapy         |
| 10                    | 0WWQ71Z              | Revision of Radioactive Element in Resp Tract, Via Opening | 211                | Radiation therapy         |
| 10                    | 0WWQ81Z              | Revision of Radioactive Element in Respiratory Tract, Endo | 211                | Radiation therapy         |
| 10                    | 0WWQX1Z              | Revision of Radioact Elem in Resp Tract, Extern Approach   | 211                | Radiation therapy         |
| 10                    | 0WWR01Z              | Revision of Radioactive Element in GU Tract, Open Approach | 211                | Radiation therapy         |
| 10                    | 0WWR31Z              | Revision of Radioactive Element in GU Tract, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0WWR41Z              | Revision of Radioact Elem in GU Tract, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0WWR71Z              | Revision of Radioactive Element in GU Tract, Via Opening   | 211                | Radiation therapy         |
| 10                    | 0WWR81Z              | Revision of Radioactive Element in Genitourinary Tract, En | 211                | Radiation therapy         |
| 10                    | 0WWRX1Z              | Revision of Radioactive Element in GU Tract, Extern Appra  | 211                | Radiation therapy         |
| 10                    | 0WY20Z0              | Transplantation of Face, Allogeneic, Open Approach         | 176                | Organ transplanta         |
| 10                    | 0WY20Z1              | Transplantation of Face, Syngeneic, Open Approach          | 176                | Organ transplanta         |
| 10                    | 0X920ZX              | Drainage of Right Shoulder Region, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0X923ZX              | Drainage of Right Shoulder Region, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0X924ZX              | Drainage of Right Shoulder Region, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0X930ZX              | Drainage of Left Shoulder Region, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0X933ZX              | Drainage of Left Shoulder Region, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0X934ZX              | Drainage of Left Shoulder Region, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0X940ZX              | Drainage of Right Axilla, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0X943ZX              | Drainage of Right Axilla, Percutaneous Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0X944ZX              | Drainage of Right Axilla, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0X950ZX              | Drainage of Left Axilla, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0X953ZX              | Drainage of Left Axilla, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0X954ZX              | Drainage of Left Axilla, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0X960ZX              | Drainage of Right Upper Extremity, Open Approach, Diagnost | 159                | Other diagnostic          |
| 10                    | 0X963ZX              | Drainage of Right Upper Extremity, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0X964ZX              | Drainage of Right Upper Extremity, Perc Endo Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0X970ZX              | Drainage of Left Upper Extremity, Open Approach, Diagnosti | 159                | Other diagnostic          |
| 10                    | 0X973ZX              | Drainage of Left Upper Extremity, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0X974ZX              | Drainage of Left Upper Extremity, Perc Endo Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0X980ZX              | Drainage of Right Upper Arm, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0X983ZX              | Drainage of Right Upper Arm, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0X984ZX              | Drainage of Right Upper Arm, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0X990ZX              | Drainage of Left Upper Arm, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0X993ZX              | Drainage of Left Upper Arm, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0X994ZX              | Drainage of Left Upper Arm, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0X9B0ZX              | Drainage of Right Elbow Region, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0X9B3ZX              | Drainage of Right Elbow Region, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0X9B4ZX              | Drainage of Right Elbow Region, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0X9C0ZX              | Drainage of Left Elbow Region, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0X9C3ZX              | Drainage of Left Elbow Region, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0X9C4ZX              | Drainage of Left Elbow Region, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0X9D0ZX              | Drainage of Right Lower Arm, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0X9D3ZX              | Drainage of Right Lower Arm, Percutaneous Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0X9D4ZX              | Drainage of Right Lower Arm, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0X9F0ZX              | Drainage of Left Lower Arm, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0X9F3ZX              | Drainage of Left Lower Arm, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0X9F4ZX              | Drainage of Left Lower Arm, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0X9G0ZX              | Drainage of Right Wrist Region, Open Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0X9G3ZX              | Drainage of Right Wrist Region, Percutaneous Approach, Dia | 159                | Other diagnostic          |
| 10                    | 0X9G4ZX              | Drainage of Right Wrist Region, Perc Endo Approach, Diagn  | 159                | Other diagnostic          |
| 10                    | 0X9H0ZX              | Drainage of Left Wrist Region, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0X9H3ZX              | Drainage of Left Wrist Region, Percutaneous Approach, Diag | 159                | Other diagnostic          |
| 10                    | 0X9H4ZX              | Drainage of Left Wrist Region, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0X9J0ZX              | Drainage of Right Hand, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0X9J3ZX              | Drainage of Right Hand, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0X9J4ZX              | Drainage of Right Hand, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 0X9K0ZX              | Drainage of Left Hand, Open Approach, Diagnostic            | 159                | Other diagnostic          |
| 10                    | 0X9K3ZX              | Drainage of Left Hand, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0X9K4ZX              | Drainage of Left Hand, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0XB20ZX              | Excision of Right Shoulder Region, Open Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0XB23ZX              | Excision of Right Shoulder Region, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0XB24ZX              | Excision of Right Shoulder Region, Perc Endo Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0XB30ZX              | Excision of Left Shoulder Region, Open Approach, Diagnosti  | 159                | Other diagnostic          |
| 10                    | 0XB33ZX              | Excision of Left Shoulder Region, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0XB34ZX              | Excision of Left Shoulder Region, Perc Endo Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0XB40ZX              | Excision of Right Axilla, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0XB43ZX              | Excision of Right Axilla, Percutaneous Approach, Diagnosti  | 159                | Other diagnostic          |
| 10                    | 0XB44ZX              | Excision of Right Axilla, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0XB50ZX              | Excision of Left Axilla, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0XB53ZX              | Excision of Left Axilla, Percutaneous Approach, Diagnostic  | 159                | Other diagnostic          |
| 10                    | 0XB54ZX              | Excision of Left Axilla, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0XB60ZX              | Excision of Right Upper Extremity, Open Approach, Diagnost  | 159                | Other diagnostic          |
| 10                    | 0XB63ZX              | Excision of Right Upper Extremity, Perc Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0XB64ZX              | Excision of Right Upper Extremity, Perc Endo Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0XB70ZX              | Excision of Left Upper Extremity, Open Approach, Diagnosti  | 159                | Other diagnostic          |
| 10                    | 0XB73ZX              | Excision of Left Upper Extremity, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0XB74ZX              | Excision of Left Upper Extremity, Perc Endo Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0XB80ZX              | Excision of Right Upper Arm, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0XB83ZX              | Excision of Right Upper Arm, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0XB84ZX              | Excision of Right Upper Arm, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0XB90ZX              | Excision of Left Upper Arm, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0XB93ZX              | Excision of Left Upper Arm, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0XB94ZX              | Excision of Left Upper Arm, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0XB80ZX              | Excision of Right Elbow Region, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0XB83ZX              | Excision of Right Elbow Region, Percutaneous Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0XB84ZX              | Excision of Right Elbow Region, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0XC00ZX              | Excision of Left Elbow Region, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0XC33ZX              | Excision of Left Elbow Region, Percutaneous Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0XC42ZX              | Excision of Left Elbow Region, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0XBD0ZX              | Excision of Right Lower Arm, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0XBD3ZX              | Excision of Right Lower Arm, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0XBD4ZX              | Excision of Right Lower Arm, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0XBF0ZX              | Excision of Left Lower Arm, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0XBF3ZX              | Excision of Left Lower Arm, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0XBF4ZX              | Excision of Left Lower Arm, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0XBG0ZX              | Excision of Right Wrist Region, Open Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0XBG3ZX              | Excision of Right Wrist Region, Percutaneous Approach, Dia  | 159                | Other diagnostic          |
| 10                    | 0XBG4ZX              | Excision of Right Wrist Region, Perc Endo Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0XH00ZX              | Excision of Left Wrist Region, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0XH33ZX              | Excision of Left Wrist Region, Percutaneous Approach, Diag  | 159                | Other diagnostic          |
| 10                    | 0XH42ZX              | Excision of Left Wrist Region, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0XJ00ZX              | Excision of Right Hand, Open Approach, Diagnostic           | 159                | Other diagnostic          |
| 10                    | 0XJ33ZX              | Excision of Right Hand, Percutaneous Approach, Diagnostic   | 159                | Other diagnostic          |
| 10                    | 0XJ42ZX              | Excision of Right Hand, Perc Endo Approach, Diagn           | 159                | Other diagnostic          |
| 10                    | 0XK00ZX              | Excision of Left Hand, Open Approach, Diagnostic            | 159                | Other diagnostic          |
| 10                    | 0XK33ZX              | Excision of Left Hand, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0XK42ZX              | Excision of Left Hand, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0XH201Z              | Insertion of Radioact Elem into R Shoulder, Open Approach   | 211                | Radiation therapy         |
| 10                    | 0XH231Z              | Insertion of Radioact Elem into R Shoulder, Perc Approach   | 211                | Radiation therapy         |
| 10                    | 0XH241Z              | Insert of Radioact Elem into R Shoulder, Perc Endo Approa   | 211                | Radiation therapy         |
| 10                    | 0XH301Z              | Insertion of Radioact Elem into L Shoulder, Open Approach   | 211                | Radiation therapy         |
| 10                    | 0XH331Z              | Insertion of Radioact Elem into L Shoulder, Perc Approach   | 211                | Radiation therapy         |
| 10                    | 0XH341Z              | Insert of Radioact Elem into L Shoulder, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0XH401Z              | Insertion of Radioact Elem into R Axilla, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0XH431Z              | Insertion of Radioact Elem into R Axilla, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0XH441Z              | Insertion of Radioact Elem into R Axilla, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XH501Z              | Insertion of Radioact Elem into L Axilla, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0XH531Z              | Insertion of Radioact Elem into L Axilla, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0XH541Z              | Insertion of Radioact Elem into L Axilla, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XH601Z              | Insertion of Radioact Elem into R Up Extrem, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0XH631Z              | Insertion of Radioact Elem into R Up Extrem, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0XH641Z              | Insert of Radioact Elem into R Up Extrem, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XH701Z              | Insertion of Radioact Elem into L Up Extrem, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0XH731Z              | Insertion of Radioact Elem into L Up Extrem, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0XH741Z              | Insert of Radioact Elem into L Up Extrem, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XH801Z              | Insertion of Radioact Elem into R Up Arm, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0XH831Z              | Insertion of Radioact Elem into R Up Arm, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0XH841Z              | Insertion of Radioact Elem into R Up Arm, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XH901Z              | Insertion of Radioact Elem into L Up Arm, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0XH931Z              | Insertion of Radioact Elem into L Up Arm, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0XH941Z              | Insertion of Radioact Elem into L Up Arm, Perc Endo Approa  | 211                | Radiation therapy         |
| 10                    | 0XHB01Z              | Insertion of Radioactive Element into R Elbow, Open Approa  | 211                | Radiation therapy         |
| 10                    | 0XHB31Z              | Insertion of Radioactive Element into R Elbow, Perc Approa  | 211                | Radiation therapy         |
| 10                    | 0XHB41Z              | Insertion of Radioact Elem into R Elbow, Perc Endo Approac  | 211                | Radiation therapy         |
| 10                    | 0XHC01Z              | Insertion of Radioactive Element into L Elbow, Open Approa  | 211                | Radiation therapy         |
| 10                    | 0XHC31Z              | Insertion of Radioactive Element into L Elbow, Perc Approa  | 211                | Radiation therapy         |
| 10                    | 0XHC41Z              | Insertion of Radioact Elem into L Elbow, Perc Endo Approac  | 211                | Radiation therapy         |
| 10                    | 0XHD01Z              | Insertion of Radioact Elem into R Low Arm, Open Approach    | 211                | Radiation therapy         |
| 10                    | 0XHD31Z              | Insertion of Radioact Elem into R Low Arm, Perc Approach    | 211                | Radiation therapy         |
| 10                    | 0XHD41Z              | Insert of Radioact Elem into R Low Arm, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0XHF01Z              | Insertion of Radioact Elem into L Low Arm, Open Approach    | 211                | Radiation therapy         |
| 10                    | 0XHF31Z              | Insertion of Radioact Elem into L Low Arm, Perc Approach    | 211                | Radiation therapy         |
| 10                    | 0XHF41Z              | Insert of Radioact Elem into L Low Arm, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0XHG01Z              | Insertion of Radioactive Element into R Wrist, Open Approa  | 211                | Radiation therapy         |
| 10                    | 0XHG31Z              | Insertion of Radioactive Element into R Wrist, Perc Approa  | 211                | Radiation therapy         |
| 10                    | 0XHG41Z              | Insertion of Radioact Elem into R Wrist, Perc Endo Approac  | 211                | Radiation therapy         |
| 10                    | 0XHH01Z              | Insertion of Radioactive Element into L Wrist, Open Approa  | 211                | Radiation therapy         |
| 10                    | 0XHH31Z              | Insertion of Radioactive Element into L Wrist, Perc Approa  | 211                | Radiation therapy         |
| 10                    | 0XHH41Z              | Insertion of Radioact Elem into L Wrist, Perc Endo Approac  | 211                | Radiation therapy         |
| 10                    | 0XJ01Z               | Insertion of Radioactive Element into R Hand, Open Approach | 211                | Radiation therapy         |
| 10                    | 0XJ31Z               | Insertion of Radioactive Element into R Hand, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0XJ41Z               | Insertion of Radioact Elem into R Hand, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0XK01Z               | Insertion of Radioactive Element into L Hand, Open Approach | 211                | Radiation therapy         |
| 10                    | 0XK31Z               | Insertion of Radioactive Element into L Hand, Perc Approach | 211                | Radiation therapy         |
| 10                    | 0XK41Z               | Insertion of Radioact Elem into L Hand, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0XJ20ZZ              | Inspection of Right Shoulder Region, Open Approach          | 159                | Other diagnostic          |
| 10                    | 0XJ23ZZ              | Inspection of Right Shoulder Region, Percutaneous Approach  | 159                | Other diagnostic          |
| 10                    | 0XJ24ZZ              | Inspection of Right Shoulder Region, Perc Endo Approach     | 159                | Other diagnostic          |
| 10                    | 0XJ2XZZ              | Inspection of Right Shoulder Region, External Approach      | 159                | Other diagnostic          |
| 10                    | 0XJ30ZZ              | Inspection of Left Shoulder Region, Open Approach           | 159                | Other diagnostic          |
| 10                    | 0XJ33ZZ              | Inspection of Left Shoulder Region, Percutaneous Approach   | 159                | Other diagnostic          |
| 10                    | 0XJ34ZZ              | Inspection of Left Shoulder Region, Perc Endo Approach      | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0XJ3XZZ              | Inspection of Left Shoulder Region, External Approach      | 159                | Other diagnostic           |
| 10                    | 0XJ40ZZ              | Inspection of Right Axilla, Open Approach                  | 159                | Other diagnostic           |
| 10                    | 0XJ43ZZ              | Inspection of Right Axilla, Percutaneous Approach          | 159                | Other diagnostic           |
| 10                    | 0XJ44ZZ              | Inspection of Right Axilla, Percutaneous Endoscopic Approa | 159                | Other diagnostic           |
| 10                    | 0XJ4XZZ              | Inspection of Right Axilla, External Approach              | 159                | Other diagnostic           |
| 10                    | 0XJ50ZZ              | Inspection of Left Axilla, Open Approach                   | 159                | Other diagnostic           |
| 10                    | 0XJ53ZZ              | Inspection of Left Axilla, Percutaneous Approach           | 159                | Other diagnostic           |
| 10                    | 0XJ54ZZ              | Inspection of Left Axilla, Percutaneous Endoscopic Approac | 159                | Other diagnostic           |
| 10                    | 0XJ5XZZ              | Inspection of Left Axilla, External Approach               | 159                | Other diagnostic           |
| 10                    | 0XJ60ZZ              | Inspection of Right Upper Extremity, Open Approach         | 159                | Other diagnostic           |
| 10                    | 0XJ63ZZ              | Inspection of Right Upper Extremity, Percutaneous Approach | 159                | Other diagnostic           |
| 10                    | 0XJ64ZZ              | Inspection of Right Upper Extremity, Perc Endo Approach    | 159                | Other diagnostic           |
| 10                    | 0XJ6XZZ              | Inspection of Right Upper Extremity, External Approach     | 159                | Other diagnostic           |
| 10                    | 0XJ70ZZ              | Inspection of Left Upper Extremity, Open Approach          | 159                | Other diagnostic           |
| 10                    | 0XJ73ZZ              | Inspection of Left Upper Extremity, Percutaneous Approach  | 159                | Other diagnostic           |
| 10                    | 0XJ74ZZ              | Inspection of Left Upper Extremity, Perc Endo Approach     | 159                | Other diagnostic           |
| 10                    | 0XJ7XZZ              | Inspection of Left Upper Extremity, External Approach      | 159                | Other diagnostic           |
| 10                    | 0XJ80ZZ              | Inspection of Right Upper Arm, Open Approach               | 159                | Other diagnostic           |
| 10                    | 0XJ83ZZ              | Inspection of Right Upper Arm, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 0XJ84ZZ              | Inspection of Right Upper Arm, Perc Endo Approach          | 159                | Other diagnostic           |
| 10                    | 0XJ8XZZ              | Inspection of Right Upper Arm, External Approach           | 159                | Other diagnostic           |
| 10                    | 0XJ90ZZ              | Inspection of Left Upper Arm, Open Approach                | 159                | Other diagnostic           |
| 10                    | 0XJ93ZZ              | Inspection of Left Upper Arm, Percutaneous Approach        | 159                | Other diagnostic           |
| 10                    | 0XJ94ZZ              | Inspection of Left Upper Arm, Perc Endo Approach           | 159                | Other diagnostic           |
| 10                    | 0XJ9XZZ              | Inspection of Left Upper Arm, External Approach            | 159                | Other diagnostic           |
| 10                    | 0XJ80ZZ              | Inspection of Right Elbow Region, Open Approach            | 159                | Other diagnostic           |
| 10                    | 0XJ83ZZ              | Inspection of Right Elbow Region, Percutaneous Approach    | 159                | Other diagnostic           |
| 10                    | 0XJ84ZZ              | Inspection of Right Elbow Region, Perc Endo Approach       | 159                | Other diagnostic           |
| 10                    | 0XJ8XZZ              | Inspection of Right Elbow Region, External Approach        | 159                | Other diagnostic           |
| 10                    | 0XJ90ZZ              | Inspection of Left Elbow Region, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0XJ93ZZ              | Inspection of Left Elbow Region, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0XJ94ZZ              | Inspection of Left Elbow Region, Perc Endo Approach        | 159                | Other diagnostic           |
| 10                    | 0XJ9XZZ              | Inspection of Left Elbow Region, External Approach         | 159                | Other diagnostic           |
| 10                    | 0XJ00ZZ              | Inspection of Right Lower Arm, Open Approach               | 159                | Other diagnostic           |
| 10                    | 0XJ03ZZ              | Inspection of Right Lower Arm, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 0XJ04ZZ              | Inspection of Right Lower Arm, Perc Endo Approach          | 159                | Other diagnostic           |
| 10                    | 0XJ0XZZ              | Inspection of Right Lower Arm, External Approach           | 159                | Other diagnostic           |
| 10                    | 0XJF0ZZ              | Inspection of Left Lower Arm, Open Approach                | 159                | Other diagnostic           |
| 10                    | 0XJF3ZZ              | Inspection of Left Lower Arm, Percutaneous Approach        | 159                | Other diagnostic           |
| 10                    | 0XJF4ZZ              | Inspection of Left Lower Arm, Perc Endo Approach           | 159                | Other diagnostic           |
| 10                    | 0XJFXZZ              | Inspection of Left Lower Arm, External Approach            | 159                | Other diagnostic           |
| 10                    | 0XJG0ZZ              | Inspection of Right Wrist Region, Open Approach            | 159                | Other diagnostic           |
| 10                    | 0XJG3ZZ              | Inspection of Right Wrist Region, Percutaneous Approach    | 159                | Other diagnostic           |
| 10                    | 0XJG4ZZ              | Inspection of Right Wrist Region, Perc Endo Approach       | 159                | Other diagnostic           |
| 10                    | 0XJGXZZ              | Inspection of Right Wrist Region, External Approach        | 159                | Other diagnostic           |
| 10                    | 0XJH0ZZ              | Inspection of Left Wrist Region, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0XJH3ZZ              | Inspection of Left Wrist Region, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0XJH4ZZ              | Inspection of Left Wrist Region, Perc Endo Approach        | 159                | Other diagnostic           |
| 10                    | 0XJHXZZ              | Inspection of Left Wrist Region, External Approach         | 159                | Other diagnostic           |
| 10                    | 0XJ00ZZ              | Inspection of Right Hand, Open Approach                    | 159                | Other diagnostic           |
| 10                    | 0XJ3ZZ               | Inspection of Right Hand, Percutaneous Approach            | 159                | Other diagnostic           |
| 10                    | 0XJ4ZZ               | Inspection of Right Hand, Percutaneous Endoscopic Approach | 159                | Other diagnostic           |
| 10                    | 0XJXZZ               | Inspection of Right Hand, External Approach                | 159                | Other diagnostic           |
| 10                    | 0XJK0ZZ              | Inspection of Left Hand, Open Approach                     | 159                | Other diagnostic           |
| 10                    | 0XJK3ZZ              | Inspection of Left Hand, Percutaneous Approach             | 159                | Other diagnostic           |
| 10                    | 0XJK4ZZ              | Inspection of Left Hand, Percutaneous Endoscopic Approach  | 159                | Other diagnostic           |
| 10                    | 0XJKXZZ              | Inspection of Left Hand, External Approach                 | 159                | Other diagnostic           |
| 10                    | 0XYJ0Z0              | Transplantation of Right Hand, Allogeneic, Open Approach   | 176                | Organ transplanta          |
| 10                    | 0XYJ0Z1              | Transplantation of Right Hand, Syngeneic, Open Approach    | 176                | Organ transplanta          |
| 10                    | 0XYK0Z0              | Transplantation of Left Hand, Allogeneic, Open Approach    | 176                | Organ transplanta          |
| 10                    | 0XYK0Z1              | Transplantation of Left Hand, Syngeneic, Open Approach     | 176                | Organ transplanta          |
| 10                    | 0Y620ZZ              | Detachment at Right Hindquarter, Open Approach             | 157                | Amputation of low          |
| 10                    | 0Y630ZZ              | Detachment at Left Hindquarter, Open Approach              | 157                | Amputation of low          |
| 10                    | 0Y640ZZ              | Detachment at Bilateral Hindquarter, Open Approach         | 157                | Amputation of low          |
| 10                    | 0Y670ZZ              | Detachment at Right Femoral Region, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y680ZZ              | Detachment at Left Femoral Region, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6C0Z1              | Detachment at Right Upper Leg, High, Open Approach         | 157                | Amputation of low          |
| 10                    | 0Y6C0Z2              | Detachment at Right Upper Leg, Mid, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6C0Z3              | Detachment at Right Upper Leg, Low, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6D0Z1              | Detachment at Left Upper Leg, High, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6D0Z2              | Detachment at Left Upper Leg, Mid, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6D0Z3              | Detachment at Left Upper Leg, Low, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6F0ZZ              | Detachment at Right Knee Region, Open Approach             | 157                | Amputation of low          |
| 10                    | 0Y6G0ZZ              | Detachment at Left Knee Region, Open Approach              | 157                | Amputation of low          |
| 10                    | 0Y6H0Z1              | Detachment at Right Lower Leg, High, Open Approach         | 157                | Amputation of low          |
| 10                    | 0Y6H0Z2              | Detachment at Right Lower Leg, Mid, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6H0Z3              | Detachment at Right Lower Leg, Low, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6J0Z1              | Detachment at Left Lower Leg, High, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6J0Z2              | Detachment at Left Lower Leg, Mid, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6J0Z3              | Detachment at Left Lower Leg, Low, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6M0Z0              | Detachment at Right Foot, Complete, Open Approach          | 157                | Amputation of low          |
| 10                    | 0Y6M0Z4              | Detachment at Right Foot, Complete 1st Ray, Open Approach  | 157                | Amputation of low          |
| 10                    | 0Y6M0Z5              | Detachment at Right Foot, Complete 2nd Ray, Open Approach  | 157                | Amputation of low          |
| 10                    | 0Y6M0Z6              | Detachment at Right Foot, Complete 3rd Ray, Open Approach  | 157                | Amputation of low          |
| 10                    | 0Y6M0Z7              | Detachment at Right Foot, Complete 4th Ray, Open Approach  | 157                | Amputation of low          |
| 10                    | 0Y6M0Z8              | Detachment at Right Foot, Complete 5th Ray, Open Approach  | 157                | Amputation of low          |
| 10                    | 0Y6M0Z9              | Detachment at Right Foot, Partial 1st Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6M0ZB              | Detachment at Right Foot, Partial 2nd Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6M0ZC              | Detachment at Right Foot, Partial 3rd Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6M0ZD              | Detachment at Right Foot, Partial 4th Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6M0ZF              | Detachment at Right Foot, Partial 5th Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z0              | Detachment at Left Foot, Complete, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6N0Z4              | Detachment at Left Foot, Complete 1st Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z5              | Detachment at Left Foot, Complete 2nd Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z6              | Detachment at Left Foot, Complete 3rd Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z7              | Detachment at Left Foot, Complete 4th Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z8              | Detachment at Left Foot, Complete 5th Ray, Open Approach   | 157                | Amputation of low          |
| 10                    | 0Y6N0Z9              | Detachment at Left Foot, Partial 1st Ray, Open Approach    | 157                | Amputation of low          |
| 10                    | 0Y6N0ZB              | Detachment at Left Foot, Partial 2nd Ray, Open Approach    | 157                | Amputation of low          |
| 10                    | 0Y6N0ZC              | Detachment at Left Foot, Partial 3rd Ray, Open Approach    | 157                | Amputation of low          |
| 10                    | 0Y6N0ZD              | Detachment at Left Foot, Partial 4th Ray, Open Approach    | 157                | Amputation of low          |
| 10                    | 0Y6N0ZF              | Detachment at Left Foot, Partial 5th Ray, Open Approach    | 157                | Amputation of low          |
| 10                    | 0Y6P0Z0              | Detachment at Right 1st Toe, Complete, Open Approach       | 157                | Amputation of low          |
| 10                    | 0Y6P0Z1              | Detachment at Right 1st Toe, High, Open Approach           | 157                | Amputation of low          |
| 10                    | 0Y6P0Z2              | Detachment at Right 1st Toe, Mid, Open Approach            | 157                | Amputation of low          |
| 10                    | 0Y6P0Z3              | Detachment at Right 1st Toe, Low, Open Approach            | 157                | Amputation of low          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0Y6Q020              | Detachment at Left 1st Toe, Complete, Open Approach          | 157                | Amputation of low         |
| 10                    | 0Y6Q021              | Detachment at Left 1st Toe, High, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6Q022              | Detachment at Left 1st Toe, Mid, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6Q023              | Detachment at Left 1st Toe, Low, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6R020              | Detachment at Right 2nd Toe, Complete, Open Approach         | 157                | Amputation of low         |
| 10                    | 0Y6R021              | Detachment at Right 2nd Toe, High, Open Approach             | 157                | Amputation of low         |
| 10                    | 0Y6R022              | Detachment at Right 2nd Toe, Mid, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6R023              | Detachment at Right 2nd Toe, Low, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6S020              | Detachment at Left 2nd Toe, Complete, Open Approach          | 157                | Amputation of low         |
| 10                    | 0Y6S021              | Detachment at Left 2nd Toe, High, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6S022              | Detachment at Left 2nd Toe, Mid, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6S023              | Detachment at Left 2nd Toe, Low, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6T020              | Detachment at Right 3rd Toe, Complete, Open Approach         | 157                | Amputation of low         |
| 10                    | 0Y6T021              | Detachment at Right 3rd Toe, High, Open Approach             | 157                | Amputation of low         |
| 10                    | 0Y6T022              | Detachment at Right 3rd Toe, Mid, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6T023              | Detachment at Right 3rd Toe, Low, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6U020              | Detachment at Left 3rd Toe, Complete, Open Approach          | 157                | Amputation of low         |
| 10                    | 0Y6U021              | Detachment at Left 3rd Toe, High, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6U022              | Detachment at Left 3rd Toe, Mid, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6U023              | Detachment at Left 3rd Toe, Low, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6V020              | Detachment at Right 4th Toe, Complete, Open Approach         | 157                | Amputation of low         |
| 10                    | 0Y6V021              | Detachment at Right 4th Toe, High, Open Approach             | 157                | Amputation of low         |
| 10                    | 0Y6V022              | Detachment at Right 4th Toe, Mid, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6V023              | Detachment at Right 4th Toe, Low, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6W020              | Detachment at Left 4th Toe, Complete, Open Approach          | 157                | Amputation of low         |
| 10                    | 0Y6W021              | Detachment at Left 4th Toe, High, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6W022              | Detachment at Left 4th Toe, Mid, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6W023              | Detachment at Left 4th Toe, Low, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6X020              | Detachment at Right 5th Toe, Complete, Open Approach         | 157                | Amputation of low         |
| 10                    | 0Y6X021              | Detachment at Right 5th Toe, High, Open Approach             | 157                | Amputation of low         |
| 10                    | 0Y6X022              | Detachment at Right 5th Toe, Mid, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6X023              | Detachment at Right 5th Toe, Low, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6Y020              | Detachment at Left 5th Toe, Complete, Open Approach          | 157                | Amputation of low         |
| 10                    | 0Y6Y021              | Detachment at Left 5th Toe, High, Open Approach              | 157                | Amputation of low         |
| 10                    | 0Y6Y022              | Detachment at Left 5th Toe, Mid, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y6Y023              | Detachment at Left 5th Toe, Low, Open Approach               | 157                | Amputation of low         |
| 10                    | 0Y9002X              | Drainage of Right Buttock, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0Y9032X              | Drainage of Right Buttock, Percutaneous Approach, Diagnostic | 159                | Other diagnostic          |
| 10                    | 0Y9042X              | Drainage of Right Buttock, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0Y9102X              | Drainage of Left Buttock, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0Y9132X              | Drainage of Left Buttock, Percutaneous Approach, Diagnosti   | 159                | Other diagnostic          |
| 10                    | 0Y9142X              | Drainage of Left Buttock, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0Y9500Z              | Drainage of R Inguinal Region with Drain Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0Y9502Z              | Drainage of Right Inguinal Region, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0Y9540Z              | Drain R Inguinal Region w Drain Dev, Perc Endo               | 99                 | Other OR gastroin         |
| 10                    | 0Y9542Z              | Drainage of Right Inguinal Region, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0Y9600Z              | Drainage of L Inguinal Region with Drain Dev, Open Approac   | 99                 | Other OR gastroin         |
| 10                    | 0Y9602Z              | Drainage of Left Inguinal Region, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0Y9640Z              | Drain L Inguinal Region w Drain Dev, Perc Endo               | 99                 | Other OR gastroin         |
| 10                    | 0Y9642Z              | Drainage of Left Inguinal Region, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0Y9902X              | Drainage of Right Lower Extremity, Open Approach, Diagnost   | 159                | Other diagnostic          |
| 10                    | 0Y9932X              | Drainage of Right Lower Extremity, Perc Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0Y9942X              | Drainage of Right Lower Extremity, Perc Endo Approach, Dia   | 159                | Other diagnostic          |
| 10                    | 0Y9802X              | Drainage of Left Lower Extremity, Open Approach, Diagnosti   | 159                | Other diagnostic          |
| 10                    | 0Y9832X              | Drainage of Left Lower Extremity, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0Y9842X              | Drainage of Left Lower Extremity, Perc Endo Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0Y9C02X              | Drainage of Right Upper Leg, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0Y9C32X              | Drainage of Right Upper Leg, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0Y9C42X              | Drainage of Right Upper Leg, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0Y9D02X              | Drainage of Left Upper Leg, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0Y9D32X              | Drainage of Left Upper Leg, Percutaneous Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0Y9D42X              | Drainage of Left Upper Leg, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0Y9F02X              | Drainage of Right Knee Region, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0Y9F32X              | Drainage of Right Knee Region, Percutaneous Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0Y9F42X              | Drainage of Right Knee Region, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0Y9G02X              | Drainage of Left Knee Region, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0Y9G32X              | Drainage of Left Knee Region, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0Y9G42X              | Drainage of Left Knee Region, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0Y9H02X              | Drainage of Right Lower Leg, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0Y9H32X              | Drainage of Right Lower Leg, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0Y9H42X              | Drainage of Right Lower Leg, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0Y9I02X              | Drainage of Left Lower Leg, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0Y9I32X              | Drainage of Left Lower Leg, Percutaneous Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0Y9I42X              | Drainage of Left Lower Leg, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0Y9K02X              | Drainage of Right Ankle Region, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0Y9K32X              | Drainage of Right Ankle Region, Percutaneous Approach, Dia   | 159                | Other diagnostic          |
| 10                    | 0Y9K42X              | Drainage of Right Ankle Region, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0Y9L02X              | Drainage of Left Ankle Region, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0Y9L32X              | Drainage of Left Ankle Region, Percutaneous Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0Y9L42X              | Drainage of Left Ankle Region, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0Y9M02X              | Drainage of Right Foot, Open Approach, Diagnostic            | 159                | Other diagnostic          |
| 10                    | 0Y9M32X              | Drainage of Right Foot, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0Y9M42X              | Drainage of Right Foot, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0Y9N02X              | Drainage of Left Foot, Open Approach, Diagnostic             | 159                | Other diagnostic          |
| 10                    | 0Y9N32X              | Drainage of Left Foot, Percutaneous Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0Y9N42X              | Drainage of Left Foot, Perc Endo Approach, Diagn             | 159                | Other diagnostic          |
| 10                    | 0Y8002X              | Excision of Right Buttock, Open Approach, Diagnostic         | 159                | Other diagnostic          |
| 10                    | 0Y8032X              | Excision of Right Buttock, Percutaneous Approach, Diagnost   | 159                | Other diagnostic          |
| 10                    | 0Y8042X              | Excision of Right Buttock, Perc Endo Approach, Diagn         | 159                | Other diagnostic          |
| 10                    | 0Y8102X              | Excision of Left Buttock, Open Approach, Diagnostic          | 159                | Other diagnostic          |
| 10                    | 0Y8132X              | Excision of Left Buttock, Percutaneous Approach, Diagnosti   | 159                | Other diagnostic          |
| 10                    | 0Y8142X              | Excision of Left Buttock, Perc Endo Approach, Diagn          | 159                | Other diagnostic          |
| 10                    | 0Y8502Z              | Excision of Right Inguinal Region, Open Approach             | 99                 | Other OR gastroin         |
| 10                    | 0Y8532Z              | Excision of Right Inguinal Region, Percutaneous Approach     | 99                 | Other OR gastroin         |
| 10                    | 0Y8542Z              | Excision of Right Inguinal Region, Perc Endo Approach        | 99                 | Other OR gastroin         |
| 10                    | 0Y8602Z              | Excision of Left Inguinal Region, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0Y8632Z              | Excision of Left Inguinal Region, Percutaneous Approach      | 99                 | Other OR gastroin         |
| 10                    | 0Y8642Z              | Excision of Left Inguinal Region, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0Y8702Z              | Excision of Right Femoral Region, Open Approach              | 99                 | Other OR gastroin         |
| 10                    | 0Y8732Z              | Excision of Right Femoral Region, Percutaneous Approach      | 99                 | Other OR gastroin         |
| 10                    | 0Y8742Z              | Excision of Right Femoral Region, Perc Endo Approach         | 99                 | Other OR gastroin         |
| 10                    | 0Y8802Z              | Excision of Left Femoral Region, Open Approach               | 99                 | Other OR gastroin         |
| 10                    | 0Y8832Z              | Excision of Left Femoral Region, Percutaneous Approach       | 99                 | Other OR gastroin         |
| 10                    | 0Y8842Z              | Excision of Left Femoral Region, Perc Endo Approach          | 99                 | Other OR gastroin         |
| 10                    | 0Y8902X              | Excision of Right Lower Extremity, Open Approach, Diagnost   | 159                | Other diagnostic          |
| 10                    | 0Y8932X              | Excision of Right Lower Extremity, Perc Approach, Diagn      | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | 0YB94ZX              | Excision of Right Lower Extremity, Perc Endo Approach, Dia   | 159                | Other diagnostic          |
| 10                    | 0YB80ZX              | Excision of Left Lower Extremity, Open Approach, Diagnosti   | 159                | Other diagnostic          |
| 10                    | 0YB83ZX              | Excision of Left Lower Extremity, Perc Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0YB84ZX              | Excision of Left Lower Extremity, Perc Endo Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0YBC0ZX              | Excision of Right Upper Leg, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0YBC3ZX              | Excision of Right Upper Leg, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0YBC4ZX              | Excision of Right Upper Leg, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0YBD0ZX              | Excision of Left Upper Leg, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0YBD3ZX              | Excision of Left Upper Leg, Percutaneous Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0YBD4ZX              | Excision of Left Upper Leg, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0YBF0ZX              | Excision of Right Knee Region, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0YBF3ZX              | Excision of Right Knee Region, Percutaneous Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0YBF4ZX              | Excision of Right Knee Region, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0YBG0ZX              | Excision of Left Knee Region, Open Approach, Diagnostic      | 159                | Other diagnostic          |
| 10                    | 0YBG3ZX              | Excision of Left Knee Region, Percutaneous Approach, Diagn   | 159                | Other diagnostic          |
| 10                    | 0YBG4ZX              | Excision of Left Knee Region, Perc Endo Approach, Diagn      | 159                | Other diagnostic          |
| 10                    | 0YBH0ZX              | Excision of Right Lower Leg, Open Approach, Diagnostic       | 159                | Other diagnostic          |
| 10                    | 0YBH3ZX              | Excision of Right Lower Leg, Percutaneous Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0YBH4ZX              | Excision of Right Lower Leg, Perc Endo Approach, Diagn       | 159                | Other diagnostic          |
| 10                    | 0YBI0ZX              | Excision of Left Lower Leg, Open Approach, Diagnostic        | 159                | Other diagnostic          |
| 10                    | 0YBI3ZX              | Excision of Left Lower Leg, Percutaneous Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0YBI4ZX              | Excision of Left Lower Leg, Perc Endo Approach, Diagn        | 159                | Other diagnostic          |
| 10                    | 0YBK0ZX              | Excision of Right Ankle Region, Open Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0YBK3ZX              | Excision of Right Ankle Region, Percutaneous Approach, Dia   | 159                | Other diagnostic          |
| 10                    | 0YBK4ZX              | Excision of Right Ankle Region, Perc Endo Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 0YBL0ZX              | Excision of Left Ankle Region, Open Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0YBL3ZX              | Excision of Left Ankle Region, Percutaneous Approach, Diag   | 159                | Other diagnostic          |
| 10                    | 0YBL4ZX              | Excision of Left Ankle Region, Perc Endo Approach, Diagn     | 159                | Other diagnostic          |
| 10                    | 0YBM0ZX              | Excision of Right Foot, Open Approach, Diagnostic            | 159                | Other diagnostic          |
| 10                    | 0YBM3ZX              | Excision of Right Foot, Percutaneous Approach, Diagnostic    | 159                | Other diagnostic          |
| 10                    | 0YBM4ZX              | Excision of Right Foot, Perc Endo Approach, Diagn            | 159                | Other diagnostic          |
| 10                    | 0YBN0ZX              | Excision of Left Foot, Open Approach, Diagnostic             | 159                | Other diagnostic          |
| 10                    | 0YBN3ZX              | Excision of Left Foot, Percutaneous Approach, Diagnostic     | 159                | Other diagnostic          |
| 10                    | 0YBN4ZX              | Excision of Left Foot, Perc Endo Approach, Diagn             | 159                | Other diagnostic          |
| 10                    | 0YH001Z              | Insertion of Radioact Elem into R Buttock, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0YH031Z              | Insertion of Radioact Elem into R Buttock, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0YH041Z              | Insert of Radioact Elem into R Buttock, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YH101Z              | Insertion of Radioact Elem into L Buttock, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0YH131Z              | Insertion of Radioact Elem into L Buttock, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0YH141Z              | Insert of Radioact Elem into L Buttock, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YH501Z              | Insert Radioact Elem in R Inguinal Region, Open              | 211                | Radiation therapy         |
| 10                    | 0YH531Z              | Insert Radioact Elem in R Inguinal Region, Perc              | 211                | Radiation therapy         |
| 10                    | 0YH541Z              | Insert Radioact Elem in R Inguinal Region, Perc Endo         | 211                | Radiation therapy         |
| 10                    | 0YH601Z              | Insert Radioact Elem in L Inguinal Region, Open              | 211                | Radiation therapy         |
| 10                    | 0YH631Z              | Insert Radioact Elem in L Inguinal Region, Perc              | 211                | Radiation therapy         |
| 10                    | 0YH641Z              | Insert Radioact Elem in L Inguinal Region, Perc Endo         | 211                | Radiation therapy         |
| 10                    | 0YH701Z              | Insert of Radioact Elem into R Femoral Region, Open Approa   | 211                | Radiation therapy         |
| 10                    | 0YH731Z              | Insert of Radioact Elem into R Femoral Region, Perc Approa   | 211                | Radiation therapy         |
| 10                    | 0YH741Z              | Insert Radioact Elem in R Femoral Region, Perc Endo          | 211                | Radiation therapy         |
| 10                    | 0YH801Z              | Insert of Radioact Elem into L Femoral Region, Open Approa   | 211                | Radiation therapy         |
| 10                    | 0YH831Z              | Insert of Radioact Elem into L Femoral Region, Perc Approa   | 211                | Radiation therapy         |
| 10                    | 0YH841Z              | Insert Radioact Elem in L Femoral Region, Perc Endo          | 211                | Radiation therapy         |
| 10                    | 0YH901Z              | Insertion of Radioact Elem into R Low Extrem, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YH931Z              | Insertion of Radioact Elem into R Low Extrem, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YH941Z              | Insert Radioact Elem in R Low Extrem, Perc Endo              | 211                | Radiation therapy         |
| 10                    | 0YH01Z               | Insertion of Radioact Elem into L Low Extrem, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YH31Z               | Insertion of Radioact Elem into L Low Extrem, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YH41Z               | Insert Radioact Elem in L Low Extrem, Perc Endo              | 211                | Radiation therapy         |
| 10                    | 0YHC01Z              | Insertion of Radioact Elem into R Up Leg, Open Approach      | 211                | Radiation therapy         |
| 10                    | 0YHC31Z              | Insertion of Radioact Elem into R Up Leg, Perc Approach      | 211                | Radiation therapy         |
| 10                    | 0YHC41Z              | Insertion of Radioact Elem into R Up Leg, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0YHD01Z              | Insertion of Radioact Elem into L Up Leg, Open Approach      | 211                | Radiation therapy         |
| 10                    | 0YHD31Z              | Insertion of Radioact Elem into L Up Leg, Perc Approach      | 211                | Radiation therapy         |
| 10                    | 0YHD41Z              | Insertion of Radioact Elem into L Up Leg, Perc Endo Approach | 211                | Radiation therapy         |
| 10                    | 0YHF01Z              | Insertion of Radioactive Element into R Knee, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YHF31Z              | Insertion of Radioactive Element into R Knee, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YHF41Z              | Insertion of Radioact Elem into R Knee, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YHG01Z              | Insertion of Radioactive Element into L Knee, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YHG31Z              | Insertion of Radioactive Element into L Knee, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YHG41Z              | Insertion of Radioact Elem into L Knee, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YHH01Z              | Insertion of Radioact Elem into R Low Leg, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0YHH31Z              | Insertion of Radioact Elem into R Low Leg, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0YHH41Z              | Insert of Radioact Elem into R Low Leg, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YHJ01Z              | Insertion of Radioact Elem into L Low Leg, Open Approach     | 211                | Radiation therapy         |
| 10                    | 0YHJ31Z              | Insertion of Radioact Elem into L Low Leg, Perc Approach     | 211                | Radiation therapy         |
| 10                    | 0YHJ41Z              | Insert of Radioact Elem into L Low Leg, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YHK01Z              | Insertion of Radioactive Element into R Ankle, Open Approa   | 211                | Radiation therapy         |
| 10                    | 0YHK31Z              | Insertion of Radioactive Element into R Ankle, Perc Approa   | 211                | Radiation therapy         |
| 10                    | 0YHK41Z              | Insertion of Radioact Elem into R Ankle, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0YHL01Z              | Insertion of Radioactive Element into L Ankle, Open Approa   | 211                | Radiation therapy         |
| 10                    | 0YHL31Z              | Insertion of Radioactive Element into L Ankle, Perc Approa   | 211                | Radiation therapy         |
| 10                    | 0YHL41Z              | Insertion of Radioact Elem into L Ankle, Perc Endo Approach  | 211                | Radiation therapy         |
| 10                    | 0YHM01Z              | Insertion of Radioactive Element into R Foot, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YHM31Z              | Insertion of Radioactive Element into R Foot, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YHM41Z              | Insertion of Radioact Elem into R Foot, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YHN01Z              | Insertion of Radioactive Element into L Foot, Open Approach  | 211                | Radiation therapy         |
| 10                    | 0YHN31Z              | Insertion of Radioactive Element into L Foot, Perc Approach  | 211                | Radiation therapy         |
| 10                    | 0YHN41Z              | Insertion of Radioact Elem into L Foot, Perc Endo Approach   | 211                | Radiation therapy         |
| 10                    | 0YJ00ZZ              | Inspection of Right Buttock, Open Approach                   | 159                | Other diagnostic          |
| 10                    | 0YJ03ZZ              | Inspection of Right Buttock, Percutaneous Approach           | 159                | Other diagnostic          |
| 10                    | 0YJ04ZZ              | Inspection of Right Buttock, Perc Endo Approach              | 159                | Other diagnostic          |
| 10                    | 0YJ0XZZ              | Inspection of Right Buttock, External Approach               | 159                | Other diagnostic          |
| 10                    | 0YJ10ZZ              | Inspection of Left Buttock, Open Approach                    | 159                | Other diagnostic          |
| 10                    | 0YJ13ZZ              | Inspection of Left Buttock, Percutaneous Approach            | 159                | Other diagnostic          |
| 10                    | 0YJ14ZZ              | Inspection of Left Buttock, Percutaneous Endoscopic Approa   | 159                | Other diagnostic          |
| 10                    | 0YJ1XZZ              | Inspection of Left Buttock, External Approach                | 159                | Other diagnostic          |
| 10                    | 0YJ90ZZ              | Inspection of Right Lower Extremity, Open Approach           | 159                | Other diagnostic          |
| 10                    | 0YJ93ZZ              | Inspection of Right Lower Extremity, Percutaneous Approach   | 159                | Other diagnostic          |
| 10                    | 0YJ94ZZ              | Inspection of Right Lower Extremity, Perc Endo Approach      | 159                | Other diagnostic          |
| 10                    | 0YJ9XZZ              | Inspection of Right Lower Extremity, External Approach       | 159                | Other diagnostic          |
| 10                    | 0YJB0ZZ              | Inspection of Left Lower Extremity, Open Approach            | 159                | Other diagnostic          |
| 10                    | 0YJB3ZZ              | Inspection of Left Lower Extremity, Percutaneous Approach    | 159                | Other diagnostic          |
| 10                    | 0YJB4ZZ              | Inspection of Left Lower Extremity, Perc Endo Approach       | 159                | Other diagnostic          |
| 10                    | 0YJBXZZ              | Inspection of Left Lower Extremity, External Approach        | 159                | Other diagnostic          |
| 10                    | 0YJC0ZZ              | Inspection of Right Upper Leg, Open Approach                 | 159                | Other diagnostic          |
| 10                    | 0YJC3ZZ              | Inspection of Right Upper Leg, Percutaneous Approach         | 159                | Other diagnostic          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 0YJC4Z2              | Inspection of Right Upper Leg, Perc Endo Approach          | 159                | Other diagnostic           |
| 10                    | 0YJCXZ2              | Inspection of Right Upper Leg, External Approach           | 159                | Other diagnostic           |
| 10                    | 0YJD0Z2              | Inspection of Left Upper Leg, Open Approach                | 159                | Other diagnostic           |
| 10                    | 0YJD3Z2              | Inspection of Left Upper Leg, Percutaneous Approach        | 159                | Other diagnostic           |
| 10                    | 0YJD4Z2              | Inspection of Left Upper Leg, Perc Endo Approach           | 159                | Other diagnostic           |
| 10                    | 0YJDXZ2              | Inspection of Left Upper Leg, External Approach            | 159                | Other diagnostic           |
| 10                    | 0YJF0Z2              | Inspection of Right Knee Region, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0YJF3Z2              | Inspection of Right Knee Region, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0YJF4Z2              | Inspection of Right Knee Region, Perc Endo Approach        | 159                | Other diagnostic           |
| 10                    | 0YJFXZ2              | Inspection of Right Knee Region, External Approach         | 159                | Other diagnostic           |
| 10                    | 0YJGOZ2              | Inspection of Left Knee Region, Open Approach              | 159                | Other diagnostic           |
| 10                    | 0YJG3Z2              | Inspection of Left Knee Region, Percutaneous Approach      | 159                | Other diagnostic           |
| 10                    | 0YJG4Z2              | Inspection of Left Knee Region, Perc Endo Approach         | 159                | Other diagnostic           |
| 10                    | 0YJGXZ2              | Inspection of Left Knee Region, External Approach          | 159                | Other diagnostic           |
| 10                    | 0YJH0Z2              | Inspection of Right Lower Leg, Open Approach               | 159                | Other diagnostic           |
| 10                    | 0YJH3Z2              | Inspection of Right Lower Leg, Percutaneous Approach       | 159                | Other diagnostic           |
| 10                    | 0YJH4Z2              | Inspection of Right Lower Leg, Perc Endo Approach          | 159                | Other diagnostic           |
| 10                    | 0YJHXZ2              | Inspection of Right Lower Leg, External Approach           | 159                | Other diagnostic           |
| 10                    | 0YJI0Z2              | Inspection of Left Lower Leg, Open Approach                | 159                | Other diagnostic           |
| 10                    | 0YJI3Z2              | Inspection of Left Lower Leg, Percutaneous Approach        | 159                | Other diagnostic           |
| 10                    | 0YJI4Z2              | Inspection of Left Lower Leg, Perc Endo Approach           | 159                | Other diagnostic           |
| 10                    | 0YJIXZ2              | Inspection of Left Lower Leg, External Approach            | 159                | Other diagnostic           |
| 10                    | 0YJK0Z2              | Inspection of Right Ankle Region, Open Approach            | 159                | Other diagnostic           |
| 10                    | 0YJK3Z2              | Inspection of Right Ankle Region, Percutaneous Approach    | 159                | Other diagnostic           |
| 10                    | 0YJK4Z2              | Inspection of Right Ankle Region, Perc Endo Approach       | 159                | Other diagnostic           |
| 10                    | 0YJKXZ2              | Inspection of Right Ankle Region, External Approach        | 159                | Other diagnostic           |
| 10                    | 0YJL0Z2              | Inspection of Left Ankle Region, Open Approach             | 159                | Other diagnostic           |
| 10                    | 0YJL3Z2              | Inspection of Left Ankle Region, Percutaneous Approach     | 159                | Other diagnostic           |
| 10                    | 0YJL4Z2              | Inspection of Left Ankle Region, Perc Endo Approach        | 159                | Other diagnostic           |
| 10                    | 0YJLXZ2              | Inspection of Left Ankle Region, External Approach         | 159                | Other diagnostic           |
| 10                    | 0YJM0Z2              | Inspection of Right Foot, Open Approach                    | 159                | Other diagnostic           |
| 10                    | 0YJM3Z2              | Inspection of Right Foot, Percutaneous Approach            | 159                | Other diagnostic           |
| 10                    | 0YJM4Z2              | Inspection of Right Foot, Percutaneous Endoscopic Approach | 159                | Other diagnostic           |
| 10                    | 0YJMXZ2              | Inspection of Right Foot, External Approach                | 159                | Other diagnostic           |
| 10                    | 0YJNOZ2              | Inspection of Left Foot, Open Approach                     | 159                | Other diagnostic           |
| 10                    | 0YJN3Z2              | Inspection of Left Foot, Percutaneous Approach             | 159                | Other diagnostic           |
| 10                    | 0YJN4Z2              | Inspection of Left Foot, Percutaneous Endoscopic Approach  | 159                | Other diagnostic           |
| 10                    | 0YJNXZ2              | Inspection of Left Foot, External Approach                 | 159                | Other diagnostic           |
| 10                    | 0YQ50Z2              | Repair Right Inguinal Region, Open Approach                | 85                 | Inguinal and femo          |
| 10                    | 0YQ53Z2              | Repair Right Inguinal Region, Percutaneous Approach        | 85                 | Inguinal and femo          |
| 10                    | 0YQ54Z2              | Repair Right Inguinal Region, Perc Endo Approach           | 85                 | Inguinal and femo          |
| 10                    | 0YQ60Z2              | Repair Left Inguinal Region, Open Approach                 | 85                 | Inguinal and femo          |
| 10                    | 0YQ63Z2              | Repair Left Inguinal Region, Percutaneous Approach         | 85                 | Inguinal and femo          |
| 10                    | 0YQ64Z2              | Repair Left Inguinal Region, Perc Endo Approach            | 85                 | Inguinal and femo          |
| 10                    | 0YQ70Z2              | Repair Right Femoral Region, Open Approach                 | 85                 | Inguinal and femo          |
| 10                    | 0YQ73Z2              | Repair Right Femoral Region, Percutaneous Approach         | 85                 | Inguinal and femo          |
| 10                    | 0YQ74Z2              | Repair Right Femoral Region, Perc Endo Approach            | 85                 | Inguinal and femo          |
| 10                    | 0YQ80Z2              | Repair Left Femoral Region, Open Approach                  | 85                 | Inguinal and femo          |
| 10                    | 0YQ83Z2              | Repair Left Femoral Region, Percutaneous Approach          | 85                 | Inguinal and femo          |
| 10                    | 0YQ84Z2              | Repair Left Femoral Region, Percutaneous Endoscopic Approa | 85                 | Inguinal and femo          |
| 10                    | 0YQA0Z2              | Repair Bilateral Inguinal Region, Open Approach            | 85                 | Inguinal and femo          |
| 10                    | 0YQA3Z2              | Repair Bilateral Inguinal Region, Percutaneous Approach    | 85                 | Inguinal and femo          |
| 10                    | 0YQA4Z2              | Repair Bilateral Inguinal Region, Perc Endo Approach       | 85                 | Inguinal and femo          |
| 10                    | 0YQE0Z2              | Repair Bilateral Femoral Region, Open Approach             | 85                 | Inguinal and femo          |
| 10                    | 0YQE3Z2              | Repair Bilateral Femoral Region, Percutaneous Approach     | 85                 | Inguinal and femo          |
| 10                    | 0YQE4Z2              | Repair Bilateral Femoral Region, Perc Endo Approach        | 85                 | Inguinal and femo          |
| 10                    | 0YU507Z              | Supplement R Inguinal Region with Autol Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YU50JZ              | Supplement R Inguinal Region with Synth Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YU50KZ              | Supplement R Inguinal Region with Nonaut Sub, Open Approac | 85                 | Inguinal and femo          |
| 10                    | 0YU547Z              | Supplement R Inguinal Region w Autol Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YU54JZ              | Supplement R Inguinal Region w Synth Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YU54KZ              | Supplement R Inguinal Region w Nonaut Sub, Perc Endo       | 85                 | Inguinal and femo          |
| 10                    | 0YU607Z              | Supplement L Inguinal Region with Autol Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YU60JZ              | Supplement L Inguinal Region with Synth Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YU60KZ              | Supplement L Inguinal Region with Nonaut Sub, Open Approac | 85                 | Inguinal and femo          |
| 10                    | 0YU647Z              | Supplement L Inguinal Region w Autol Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YU64JZ              | Supplement L Inguinal Region w Synth Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YU64KZ              | Supplement L Inguinal Region w Nonaut Sub, Perc Endo       | 85                 | Inguinal and femo          |
| 10                    | 0YU707Z              | Supplement R Femoral Region with Autol Sub, Open Approach  | 85                 | Inguinal and femo          |
| 10                    | 0YU70JZ              | Supplement R Femoral Region with Synth Sub, Open Approach  | 85                 | Inguinal and femo          |
| 10                    | 0YU70KZ              | Supplement R Femoral Region with Nonaut Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YU747Z              | Supplement R Femoral Region w Autol Sub, Perc Endo         | 85                 | Inguinal and femo          |
| 10                    | 0YU74JZ              | Supplement R Femoral Region w Synth Sub, Perc Endo         | 85                 | Inguinal and femo          |
| 10                    | 0YU74KZ              | Supplement R Femoral Region w Nonaut Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YU807Z              | Supplement Left Femoral Region with Autol Sub, Open Approa | 85                 | Inguinal and femo          |
| 10                    | 0YU80JZ              | Supplement Left Femoral Region with Synth Sub, Open Approa | 85                 | Inguinal and femo          |
| 10                    | 0YU80KZ              | Supplement L Femoral Region with Nonaut Sub, Open Approac  | 85                 | Inguinal and femo          |
| 10                    | 0YU847Z              | Supplement L Femoral Region w Autol Sub, Perc Endo         | 85                 | Inguinal and femo          |
| 10                    | 0YU84JZ              | Supplement L Femoral Region w Synth Sub, Perc Endo         | 85                 | Inguinal and femo          |
| 10                    | 0YU84KZ              | Supplement L Femoral Region w Nonaut Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YUA07Z              | Supplement Bi Inguinal Region with Autol Sub, Open Approac | 85                 | Inguinal and femo          |
| 10                    | 0YUA0JZ              | Supplement Bi Inguinal Region with Synth Sub, Open Approac | 85                 | Inguinal and femo          |
| 10                    | 0YUA0KZ              | Supplement Bi Inguinal Region with Nonaut Sub, Open Approa | 85                 | Inguinal and femo          |
| 10                    | 0YUA47Z              | Supplement Bi Inguinal Region w Autol Sub, Perc Endo       | 85                 | Inguinal and femo          |
| 10                    | 0YUA4JZ              | Supplement Bi Inguinal Region w Synth Sub, Perc Endo       | 85                 | Inguinal and femo          |
| 10                    | 0YUA4KZ              | Supplement Bi Inguinal Region w Nonaut Sub, Perc Endo      | 85                 | Inguinal and femo          |
| 10                    | 0YUE07Z              | Supplement Bi Femoral Region with Autol Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YUE0JZ              | Supplement Bi Femoral Region with Synth Sub, Open Approach | 85                 | Inguinal and femo          |
| 10                    | 0YUE0KZ              | Supplement Bi Femoral Region with Nonaut Sub, Open Approac | 85                 | Inguinal and femo          |
| 10                    | 0YUE47Z              | Supplement Bi Femoral Region w Autol Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YUE4JZ              | Supplement Bi Femoral Region w Synth Sub, Perc Endo        | 85                 | Inguinal and femo          |
| 10                    | 0YUE4KZ              | Supplement Bi Femoral Region w Nonaut Sub, Perc Endo       | 85                 | Inguinal and femo          |
| 10                    | 30230AZ              | Transfuse of Embr Stem Cell into Periph Vein, Open Approac | 64                 | Bone marrow trans          |
| 10                    | 30230G0              | Transfuse Autol Bone Marrow in Periph Vein, Open           | 64                 | Bone marrow trans          |
| 10                    | 30230G1              | Transfusion of Nonautologous Bone Marrow into Peripheral V | 64                 | Bone marrow trans          |
| 10                    | 30230G2              | Transfuse Allo Rel Bone Marrow in Periph Vein, Open        | 64                 | Bone marrow trans          |
| 10                    | 30230G3              | Transfuse Allo Unr Bone Marrow in Periph Vein, Open        | 64                 | Bone marrow trans          |
| 10                    | 30230G4              | Transfuse Allo Unsp Bone Marrow in Periph Vein, Open       | 64                 | Bone marrow trans          |
| 10                    | 30230X0              | Transfuse Autol Cord Bld Stem Cell in Periph Vein, Open    | 64                 | Bone marrow trans          |
| 10                    | 30230X1              | Transfusion of Nonautologous Cord Blood Stem Cells into Pe | 64                 | Bone marrow trans          |
| 10                    | 30230X2              | Transfuse Allo Rel Cord Bld Stem Cell in Periph Vein, Open | 64                 | Bone marrow trans          |
| 10                    | 30230X3              | Transfuse Allo Unr Cord Bld Stem Cell in Periph Vein, Open | 64                 | Bone marrow trans          |
| 10                    | 30230X4              | Transfuse Allo Unsp Cord Bld Stem Cell in Periph Vein, Ope | 64                 | Bone marrow trans          |
| 10                    | 30230Y0              | Transfuse Autol Hemat Stem Cell in Periph Vein, Open       | 64                 | Bone marrow trans          |
| 10                    | 30230Y1              | Transfusion of Nonautologous Hematopoietic Stem Cells into | 64                 | Bone marrow trans          |
| 10                    | 30230Y2              | Transfuse Allo Rel Hemat Stem Cell in Periph Vein, Open    | 64                 | Bone marrow trans          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 30230Y3              | Transfuse Allo Unr Hemat Stem Cell in Periph Vein, Open     | 64                 | Bone marrow trans         |
| 10                    | 30230Y4              | Transfuse Allo Unsp Hemat Stem Cell in Periph Vein, Open    | 64                 | Bone marrow trans         |
| 10                    | 30233AZ              | Transfuse of Embr Stem Cell into Periph Vein, Perc Approac  | 64                 | Bone marrow trans         |
| 10                    | 30233G0              | Transfuse Autol Bone Marrow in Periph Vein, Perc            | 64                 | Bone marrow trans         |
| 10                    | 30233G1              | Transfusion of Nonautologous Bone Marrow into Peripheral V  | 64                 | Bone marrow trans         |
| 10                    | 30233G2              | Transfuse Allo Rel Bone Marrow in Periph Vein, Perc         | 64                 | Bone marrow trans         |
| 10                    | 30233G3              | Transfuse Allo Unr Bone Marrow in Periph Vein, Perc         | 64                 | Bone marrow trans         |
| 10                    | 30233G4              | Transfuse Allo Unsp Bone Marrow in Periph Vein, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30233X0              | Transfuse Autol Cord Bld Stem Cell in Periph Vein, Perc     | 64                 | Bone marrow trans         |
| 10                    | 30233X1              | Transfusion of Nonautologous Cord Blood Stem Cells into Pe  | 64                 | Bone marrow trans         |
| 10                    | 30233X2              | Transfuse Allo Rel Cord Bld Stem Cell in Periph Vein, Perc  | 64                 | Bone marrow trans         |
| 10                    | 30233X3              | Transfuse Allo Unr Cord Bld Stem Cell in Periph Vein, Perc  | 64                 | Bone marrow trans         |
| 10                    | 30233X4              | Transfuse Allo Unsp Cord Bld Stem Cell in Periph Vein, Per  | 64                 | Bone marrow trans         |
| 10                    | 30233Y0              | Transfuse Autol Hemat Stem Cell in Periph Vein, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30233Y1              | Transfusion of Nonautologous Hematopoietic Stem Cells into  | 64                 | Bone marrow trans         |
| 10                    | 30233Y2              | Transfuse Allo Rel Hemat Stem Cell in Periph Vein, Perc     | 64                 | Bone marrow trans         |
| 10                    | 30233Y3              | Transfuse Allo Unr Hemat Stem Cell in Periph Vein, Perc     | 64                 | Bone marrow trans         |
| 10                    | 30233Y4              | Transfuse Allo Unsp Hemat Stem Cell in Periph Vein, Perc    | 64                 | Bone marrow trans         |
| 10                    | 30240AZ              | Transfuse of Embr Stem Cell into Central Vein, Open Approa  | 64                 | Bone marrow trans         |
| 10                    | 30240G0              | Transfuse Autol Bone Marrow in Central Vein, Open           | 64                 | Bone marrow trans         |
| 10                    | 30240G1              | Transfusion of Nonautologous Bone Marrow into Central Vein  | 64                 | Bone marrow trans         |
| 10                    | 30240G2              | Transfuse Allo Rel Bone Marrow in Central Vein, Open        | 64                 | Bone marrow trans         |
| 10                    | 30240G3              | Transfuse Allo Unr Bone Marrow in Central Vein, Open        | 64                 | Bone marrow trans         |
| 10                    | 30240G4              | Transfuse Allo Unsp Bone Marrow in Central Vein, Open       | 64                 | Bone marrow trans         |
| 10                    | 30240X0              | Transfuse Autol Cord Bld Stem Cell in Central Vein, Open    | 64                 | Bone marrow trans         |
| 10                    | 30240X1              | Transfusion of Nonautologous Cord Blood Stem Cells into Ce  | 64                 | Bone marrow trans         |
| 10                    | 30240X2              | Transfuse Allo Rel Cord Bld Stem Cell in Central Vein, Ope  | 64                 | Bone marrow trans         |
| 10                    | 30240X3              | Transfuse Allo Unr Cord Bld Stem Cell in Central Vein, Ope  | 64                 | Bone marrow trans         |
| 10                    | 30240X4              | Transfuse Allo Unsp Cord Bld Stem Cell in Central Vein, Op  | 64                 | Bone marrow trans         |
| 10                    | 30240Y0              | Transfuse Autol Hemat Stem Cell in Central Vein, Open       | 64                 | Bone marrow trans         |
| 10                    | 30240Y1              | Transfusion of Nonautologous Hematopoietic Stem Cells into  | 64                 | Bone marrow trans         |
| 10                    | 30240Y2              | Transfuse Allo Rel Hemat Stem Cell in Central Vein, Open    | 64                 | Bone marrow trans         |
| 10                    | 30240Y3              | Transfuse Allo Unr Hemat Stem Cell in Central Vein, Open    | 64                 | Bone marrow trans         |
| 10                    | 30240Y4              | Transfuse Allo Unsp Hemat Stem Cell in Central Vein, Open   | 64                 | Bone marrow trans         |
| 10                    | 30243AZ              | Transfuse of Embr Stem Cell into Central Vein, Perc Approa  | 64                 | Bone marrow trans         |
| 10                    | 30243G0              | Transfuse Autol Bone Marrow in Central Vein, Perc           | 64                 | Bone marrow trans         |
| 10                    | 30243G1              | Transfusion of Nonautologous Bone Marrow into Central Vein  | 64                 | Bone marrow trans         |
| 10                    | 30243G2              | Transfuse Allo Rel Bone Marrow in Central Vein, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30243G3              | Transfuse Allo Unr Bone Marrow in Central Vein, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30243G4              | Transfuse Allo Unsp Bone Marrow in Central Vein, Perc       | 64                 | Bone marrow trans         |
| 10                    | 30243X0              | Transfuse Autol Cord Bld Stem Cell in Central Vein, Perc    | 64                 | Bone marrow trans         |
| 10                    | 30243X1              | Transfusion of Nonautologous Cord Blood Stem Cells into Ce  | 64                 | Bone marrow trans         |
| 10                    | 30243X2              | Transfuse Allo Rel Cord Bld Stem Cell in Central Vein, Per  | 64                 | Bone marrow trans         |
| 10                    | 30243X3              | Transfuse Allo Unr Cord Bld Stem Cell in Central Vein, Per  | 64                 | Bone marrow trans         |
| 10                    | 30243X4              | Transfuse Allo Unsp Cord Bld Stem Cell in Central Vein, Pe  | 64                 | Bone marrow trans         |
| 10                    | 30243Y0              | Transfuse Autol Hemat Stem Cell in Central Vein, Perc       | 64                 | Bone marrow trans         |
| 10                    | 30243Y1              | Transfusion of Nonautologous Hematopoietic Stem Cells into  | 64                 | Bone marrow trans         |
| 10                    | 30243Y2              | Transfuse Allo Rel Hemat Stem Cell in Central Vein, Perc    | 64                 | Bone marrow trans         |
| 10                    | 30243Y3              | Transfuse Allo Unr Hemat Stem Cell in Central Vein, Perc    | 64                 | Bone marrow trans         |
| 10                    | 30243Y4              | Transfuse Allo Unsp Hemat Stem Cell in Central Vein, Perc   | 64                 | Bone marrow trans         |
| 10                    | 30250G0              | Transfuse Autol Bone Marrow in Periph Art, Open             | 64                 | Bone marrow trans         |
| 10                    | 30250G1              | Transfuse Nonaut Bone Marrow in Periph Art, Open            | 64                 | Bone marrow trans         |
| 10                    | 30250X0              | Transfuse Autol Cord Bld Stem Cell in Periph Art, Open      | 64                 | Bone marrow trans         |
| 10                    | 30250X1              | Transfuse Nonaut Cord Bld Stem Cell in Periph Art, Open     | 64                 | Bone marrow trans         |
| 10                    | 30250Y0              | Transfuse Autol Hemat Stem Cell in Periph Art, Open         | 64                 | Bone marrow trans         |
| 10                    | 30250Y1              | Transfuse Nonaut Hemat Stem Cell in Periph Art, Open        | 64                 | Bone marrow trans         |
| 10                    | 30253G0              | Transfuse Autol Bone Marrow in Periph Art, Perc             | 64                 | Bone marrow trans         |
| 10                    | 30253G1              | Transfuse Nonaut Bone Marrow in Periph Art, Perc            | 64                 | Bone marrow trans         |
| 10                    | 30253X0              | Transfuse Autol Cord Bld Stem Cell in Periph Art, Perc      | 64                 | Bone marrow trans         |
| 10                    | 30253X1              | Transfuse Nonaut Cord Bld Stem Cell in Periph Art, Perc     | 64                 | Bone marrow trans         |
| 10                    | 30253Y0              | Transfuse Autol Hemat Stem Cell in Periph Art, Perc         | 64                 | Bone marrow trans         |
| 10                    | 30253Y1              | Transfuse Nonaut Hemat Stem Cell in Periph Art, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30260G0              | Transfuse Autol Bone Marrow in Central Art, Open            | 64                 | Bone marrow trans         |
| 10                    | 30260G1              | Transfuse Nonaut Bone Marrow in Central Art, Open           | 64                 | Bone marrow trans         |
| 10                    | 30260X0              | Transfuse Autol Cord Bld Stem Cell in Central Art, Open     | 64                 | Bone marrow trans         |
| 10                    | 30260X1              | Transfuse Nonaut Cord Bld Stem Cell in Central Art, Open    | 64                 | Bone marrow trans         |
| 10                    | 30260Y0              | Transfuse Autol Hemat Stem Cell in Central Art, Open        | 64                 | Bone marrow trans         |
| 10                    | 30260Y1              | Transfuse Nonaut Hemat Stem Cell in Central Art, Open       | 64                 | Bone marrow trans         |
| 10                    | 30263G0              | Transfuse Autol Bone Marrow in Central Art, Perc            | 64                 | Bone marrow trans         |
| 10                    | 30263G1              | Transfuse Nonaut Bone Marrow in Central Art, Perc           | 64                 | Bone marrow trans         |
| 10                    | 30263X0              | Transfuse Autol Cord Bld Stem Cell in Central Art, Perc     | 64                 | Bone marrow trans         |
| 10                    | 30263X1              | Transfuse Nonaut Cord Bld Stem Cell in Central Art, Perc    | 64                 | Bone marrow trans         |
| 10                    | 30263Y0              | Transfuse Autol Hemat Stem Cell in Central Art, Perc        | 64                 | Bone marrow trans         |
| 10                    | 30263Y1              | Transfuse Nonaut Hemat Stem Cell in Central Art, Perc       | 64                 | Bone marrow trans         |
| 10                    | 3E00X05              | Introduce Oth Antineoplastic in Skin/Mucous Mem, Extern     | 224                | Cancer chemothera         |
| 10                    | 3E00X0M              | Introduce Monoclonal Antibody in Skin/Mucous Mem, Extern    | 224                | Cancer chemothera         |
| 10                    | 3E01305              | Introduction of Oth Antineoplastic into Subcu, Perc Approa  | 224                | Cancer chemothera         |
| 10                    | 3E0130M              | Introduce of Monoclonal Antibody into Subcu, Perc Approach  | 224                | Cancer chemothera         |
| 10                    | 3E02305              | Introduce of Oth Antineoplastic into Muscle, Perc Approach  | 224                | Cancer chemothera         |
| 10                    | 3E0230M              | Introduce of Monoclonal Antibody into Muscle, Perc Approach | 224                | Cancer chemothera         |
| 10                    | 3E023K2              | Introduction of Oth Diagn Subst into Muscle, Perc Approach  | 159                | Other diagnostic          |
| 10                    | 3E03002              | Introduce of High dose IL-2 into Periph Vein, Open Approac  | 224                | Cancer chemothera         |
| 10                    | 3E03003              | Introduce of Low dose IL-2 into Periph Vein, Open Approach  | 224                | Cancer chemothera         |
| 10                    | 3E03005              | Introduce Oth Antineoplastic in Periph Vein, Open           | 224                | Cancer chemothera         |
| 10                    | 3E0300M              | Introduce Monoclonal Antibody in Periph Vein, Open          | 224                | Cancer chemothera         |
| 10                    | 3E0300P              | Introduction of Clofarabine into Periph Vein, Open Approac  | 224                | Cancer chemothera         |
| 10                    | 3E030GN              | Introduce of BBBB Substance into Periph Vein, Open Approac  | 224                | Cancer chemothera         |
| 10                    | 3E030U0              | Introduce Autol Pancr Islet in Periph Vein, Open            | 176                | Organ transplanta         |
| 10                    | 3E030U1              | Introduce Nonaut Pancr Islet in Periph Vein, Open           | 176                | Organ transplanta         |
| 10                    | 3E03302              | Introduce of High dose IL-2 into Periph Vein, Perc Approac  | 224                | Cancer chemothera         |
| 10                    | 3E03303              | Introduce of Low dose IL-2 into Periph Vein, Perc Approach  | 224                | Cancer chemothera         |
| 10                    | 3E03305              | Introduce Oth Antineoplastic in Periph Vein, Perc           | 224                | Cancer chemothera         |
| 10                    | 3E0330M              | Introduce Monoclonal Antibody in Periph Vein, Perc          | 224                | Cancer chemothera         |
| 10                    | 3E0330P              | Introduction of Clofarabine into Periph Vein, Perc Approac  | 224                | Cancer chemothera         |
| 10                    | 3E033GN              | Introduce of BBBB Substance into Periph Vein, Perc Approac  | 224                | Cancer chemothera         |
| 10                    | 3E033U0              | Introduce Autol Pancr Islet in Periph Vein, Perc            | 176                | Organ transplanta         |
| 10                    | 3E033U1              | Introduce Nonaut Pancr Islet in Periph Vein, Perc           | 176                | Organ transplanta         |
| 10                    | 3E04002              | Introduce of High dose IL-2 into Central Vein, Open Approa  | 224                | Cancer chemothera         |
| 10                    | 3E04003              | Introduce of Low dose IL-2 into Central Vein, Open Approac  | 224                | Cancer chemothera         |
| 10                    | 3E04005              | Introduce Oth Antineoplastic in Central Vein, Open          | 224                | Cancer chemothera         |
| 10                    | 3E0400M              | Introduce Monoclonal Antibody in Central Vein, Open         | 224                | Cancer chemothera         |
| 10                    | 3E0400P              | Introduction of Clofarabine into Central Vein, Open Approa  | 224                | Cancer chemothera         |
| 10                    | 3E040GN              | Introduce of BBBB Substance into Central Vein, Open Approa  | 224                | Cancer chemothera         |
| 10                    | 3E04302              | Introduce of High dose IL-2 into Central Vein, Perc Approa  | 224                | Cancer chemothera         |
| 10                    | 3E04303              | Introduce of Low dose IL-2 into Central Vein, Perc Approac  | 224                | Cancer chemothera         |
| 10                    | 3E04305              | Introduce Oth Antineoplastic in Central Vein, Perc          | 224                | Cancer chemothera         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | 3E0430M              | Introduce Monoclonal Antibody in Central Vein, Perc        | 224                | Cancer chemothera          |
| 10                    | 3E0430P              | Introduction of Clofarabine into Central Vein, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E043GN              | Introduce of BBBB Substance into Central Vein, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E05002              | Introduce of High dose IL-2 into Periph Art, Open Approach | 224                | Cancer chemothera          |
| 10                    | 3E05003              | Introduction of Low dose IL-2 into Periph Art, Open Approa | 224                | Cancer chemothera          |
| 10                    | 3E05005              | Introduce Oth Antineoplastic in Periph Art, Open           | 224                | Cancer chemothera          |
| 10                    | 3E0500M              | Introduce Monoclonal Antibody in Periph Art, Open          | 224                | Cancer chemothera          |
| 10                    | 3E0500P              | Introduction of Clofarabine into Periph Art, Open Approach | 224                | Cancer chemothera          |
| 10                    | 3E050GN              | Introduce of BBBB Substance into Periph Art, Open Approach | 224                | Cancer chemothera          |
| 10                    | 3E05302              | Introduce of High dose IL-2 into Periph Art, Perc Approach | 224                | Cancer chemothera          |
| 10                    | 3E05303              | Introduction of Low dose IL-2 into Periph Art, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E05305              | Introduce Oth Antineoplastic in Periph Art, Perc           | 224                | Cancer chemothera          |
| 10                    | 3E0530M              | Introduce Monoclonal Antibody in Periph Art, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0530P              | Introduction of Clofarabine into Periph Art, Perc Approach | 224                | Cancer chemothera          |
| 10                    | 3E053GN              | Introduce of BBBB Substance into Periph Art, Perc Approach | 224                | Cancer chemothera          |
| 10                    | 3E06002              | Introduce of High dose IL-2 into Central Art, Open Approac | 224                | Cancer chemothera          |
| 10                    | 3E06003              | Introduce of Low dose IL-2 into Central Art, Open Approach | 224                | Cancer chemothera          |
| 10                    | 3E06005              | Introduce Oth Antineoplastic in Central Art, Open          | 224                | Cancer chemothera          |
| 10                    | 3E0600M              | Introduce Monoclonal Antibody in Central Art, Open         | 224                | Cancer chemothera          |
| 10                    | 3E0600P              | Introduction of Clofarabine into Central Art, Open Approac | 224                | Cancer chemothera          |
| 10                    | 3E060GN              | Introduce of BBBB Substance into Central Art, Open Approac | 224                | Cancer chemothera          |
| 10                    | 3E06302              | Introduce of High dose IL-2 into Central Art, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E06303              | Introduce of Low dose IL-2 into Central Art, Perc Approach | 224                | Cancer chemothera          |
| 10                    | 3E06305              | Introduce Oth Antineoplastic in Central Art, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0630M              | Introduce Monoclonal Antibody in Central Art, Perc         | 224                | Cancer chemothera          |
| 10                    | 3E0630P              | Introduction of Clofarabine into Central Art, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E063GN              | Introduce of BBBB Substance into Central Art, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E070KZ              | Introduce Oth Diagn Subst in Coronary Art, Open            | 62                 | Other diagnostic           |
| 10                    | 3E073KZ              | Introduce Oth Diagn Subst in Coronary Art, Perc            | 62                 | Other diagnostic           |
| 10                    | 3E080KZ              | Introduction of Oth Diagn Subst into Heart, Open Approach  | 62                 | Other diagnostic           |
| 10                    | 3E083KZ              | Introduction of Oth Diagn Subst into Heart, Perc Approach  | 62                 | Other diagnostic           |
| 10                    | 3E09305              | Introduction of Oth Antineoplastic into Nose, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E0930M              | Introduction of Monoclonal Antibody into Nose, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E09705              | Introduction of Other Antineoplastic into Nose, Via Openin | 224                | Cancer chemothera          |
| 10                    | 3E0970M              | Introduction of Monoclonal Antibody into Nose, Via Opening | 224                | Cancer chemothera          |
| 10                    | 3E09X05              | Introduce of Oth Antineoplastic into Nose, Extern Approach | 224                | Cancer chemothera          |
| 10                    | 3E09X0M              | Introduce of Monoclonal Antibody into Nose, Extern Approac | 224                | Cancer chemothera          |
| 10                    | 3E0A305              | Introduce Oth Antineoplastic in Bone Marrow, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0A30M              | Introduce Monoclonal Antibody in Bone Marrow, Perc         | 224                | Cancer chemothera          |
| 10                    | 3E0A3GC              | Introduce Oth Therap Subst in Bone Marrow, Perc            | 67                 | Other procedur;            |
| 10                    | 3E0B304              | Introduction of Liquid Brachy into Ear, Perc Approach      | 211                | Radiation therapy          |
| 10                    | 3E0B305              | Introduction of Other Antineoplastic into Ear, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E0B30M              | Introduction of Monoclonal Antibody into Ear, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E0B704              | Introduction of Liquid Brachy into Ear, Via Opening        | 211                | Radiation therapy          |
| 10                    | 3E0B705              | Introduction of Other Antineoplastic into Ear, Via Opening | 224                | Cancer chemothera          |
| 10                    | 3E0B70M              | Introduction of Monoclonal Antibody into Ear, Via Opening  | 224                | Cancer chemothera          |
| 10                    | 3E0B804              | Introduction of Liquid Brachy into Ear, Extern Approach    | 211                | Radiation therapy          |
| 10                    | 3E0B805              | Introduction of Oth Antineoplastic into Ear, Extern Approa | 224                | Cancer chemothera          |
| 10                    | 3E0B80M              | Introduce of Monoclonal Antibody into Ear, Extern Approach | 224                | Cancer chemothera          |
| 10                    | 3E0C304              | Introduction of Liquid Brachy into Eye, Perc Approach      | 211                | Radiation therapy          |
| 10                    | 3E0C305              | Introduction of Other Antineoplastic into Eye, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E0C30M              | Introduction of Monoclonal Antibody into Eye, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E0C704              | Introduction of Liquid Brachy into Eye, Via Opening        | 211                | Radiation therapy          |
| 10                    | 3E0C705              | Introduction of Other Antineoplastic into Eye, Via Opening | 224                | Cancer chemothera          |
| 10                    | 3E0C70M              | Introduction of Monoclonal Antibody into Eye, Via Opening  | 224                | Cancer chemothera          |
| 10                    | 3E0CX04              | Introduction of Liquid Brachy into Eye, Extern Approach    | 211                | Radiation therapy          |
| 10                    | 3E0CX05              | Introduction of Oth Antineoplastic into Eye, Extern Approa | 224                | Cancer chemothera          |
| 10                    | 3E0CX0M              | Introduce of Monoclonal Antibody into Eye, Extern Approach | 224                | Cancer chemothera          |
| 10                    | 3E0D304              | Introduction of Liquid Brachy into Mouth/Phar, Perc Approa | 211                | Radiation therapy          |
| 10                    | 3E0D305              | Introduce Oth Antineoplastic in Mouth/Phar, Perc           | 224                | Cancer chemothera          |
| 10                    | 3E0D30M              | Introduce Monoclonal Antibody in Mouth/Phar, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0D704              | Introduction of Liquid Brachy into Mouth/Phar, Via Opening | 211                | Radiation therapy          |
| 10                    | 3E0D705              | Introduce of Oth Antineoplastic into Mouth/Phar, Via Openi | 224                | Cancer chemothera          |
| 10                    | 3E0D70M              | Introduce Monoclonal Antibody in Mouth/Phar, Via Opening   | 224                | Cancer chemothera          |
| 10                    | 3E0DX04              | Introduce of Liquid Brachy into Mouth/Phar, Extern Approac | 211                | Radiation therapy          |
| 10                    | 3E0DX05              | Introduce Oth Antineoplastic in Mouth/Phar, Extern         | 224                | Cancer chemothera          |
| 10                    | 3E0DX0M              | Introduce Monoclonal Antibody in Mouth/Phar, Extern        | 224                | Cancer chemothera          |
| 10                    | 3E0E304              | Introduction of Liquid Brachy into POC, Perc Approach      | 211                | Radiation therapy          |
| 10                    | 3E0E305              | Introduction of Other Antineoplastic into POC, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E0E30M              | Introduction of Monoclonal Antibody into POC, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E0E704              | Introduction of Liquid Brachy into POC, Via Opening        | 211                | Radiation therapy          |
| 10                    | 3E0E705              | Introduction of Other Antineoplastic into POC, Via Opening | 224                | Cancer chemothera          |
| 10                    | 3E0E70M              | Introduction of Monoclonal Antibody into POC, Via Opening  | 224                | Cancer chemothera          |
| 10                    | 3E0E804              | Introduction of Liquid Brachy into POC, Endo               | 211                | Radiation therapy          |
| 10                    | 3E0E805              | Introduction of Other Antineoplastic into POC, Endo        | 224                | Cancer chemothera          |
| 10                    | 3E0E80M              | Introduction of Monoclonal Antibody into POC, Endo         | 224                | Cancer chemothera          |
| 10                    | 3E0F304              | Introduction of Liquid Brachy into Resp Tract, Perc Approa | 211                | Radiation therapy          |
| 10                    | 3E0F305              | Introduce Oth Antineoplastic in Resp Tract, Perc           | 224                | Cancer chemothera          |
| 10                    | 3E0F30M              | Introduce Monoclonal Antibody in Resp Tract, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0F3KZ              | Introduce of Oth Diagn Subst into Resp Tract, Perc Approac | 40                 | Other diagnostic           |
| 10                    | 3E0F704              | Introduction of Liquid Brachy into Resp Tract, Via Opening | 211                | Radiation therapy          |
| 10                    | 3E0F705              | Introduce of Oth Antineoplastic into Resp Tract, Via Openi | 224                | Cancer chemothera          |
| 10                    | 3E0F70M              | Introduce Monoclonal Antibody in Resp Tract, Via Opening   | 224                | Cancer chemothera          |
| 10                    | 3E0F7KZ              | Introduce of Oth Diagn Subst into Resp Tract, Via Openi    | 40                 | Other diagnostic           |
| 10                    | 3E0F804              | Introduction of Liquid Brachy into Resp Tract, Endo        | 211                | Radiation therapy          |
| 10                    | 3E0F805              | Introduction of Other Antineoplastic into Resp Tract, Endo | 224                | Cancer chemothera          |
| 10                    | 3E0F80M              | Introduction of Monoclonal Antibody into Resp Tract, Endo  | 224                | Cancer chemothera          |
| 10                    | 3E0F8KZ              | Introduce of Oth Diagn Subst into Resp Tract, Endo         | 40                 | Other diagnostic           |
| 10                    | 3E0G304              | Introduction of Liquid Brachy into Up GI, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 3E0G305              | Introduction of Oth Antineoplastic into Up GI, Perc Approa | 224                | Cancer chemothera          |
| 10                    | 3E0G30M              | Introduce of Monoclonal Antibody into Up GI, Perc Approac  | 224                | Cancer chemothera          |
| 10                    | 3E0G704              | Introduction of Liquid Brachy into Up GI, Via Opening      | 211                | Radiation therapy          |
| 10                    | 3E0G705              | Introduction of Other Antineoplastic into Up GI, Via Openi | 224                | Cancer chemothera          |
| 10                    | 3E0G70M              | Introduction of Monoclonal Antibody into Up GI, Via Openin | 224                | Cancer chemothera          |
| 10                    | 3E0G804              | Introduction of Liquid Brachy into Up GI, Endo             | 211                | Radiation therapy          |
| 10                    | 3E0G805              | Introduction of Other Antineoplastic into Upper GI, Endo   | 224                | Cancer chemothera          |
| 10                    | 3E0G80M              | Introduction of Monoclonal Antibody into Upper GI, Endo    | 224                | Cancer chemothera          |
| 10                    | 3E0H304              | Introduction of Liquid Brachy into Low GI, Perc Approach   | 211                | Radiation therapy          |
| 10                    | 3E0H305              | Introduce of Oth Antineoplastic into Low GI, Perc Approach | 224                | Cancer chemothera          |
| 10                    | 3E0H30M              | Introduce of Monoclonal Antibody into Low GI, Perc Approac | 224                | Cancer chemothera          |
| 10                    | 3E0H704              | Introduction of Liquid Brachy into Low GI, Via Opening     | 211                | Radiation therapy          |
| 10                    | 3E0H705              | Introduce of Oth Antineoplastic into Low GI, Via Openin    | 224                | Cancer chemothera          |
| 10                    | 3E0H70M              | Introduce of Monoclonal Antibody into Low GI, Via Openi    | 224                | Cancer chemothera          |
| 10                    | 3E0H804              | Introduction of Liquid Brachy into Low GI, Endo            | 211                | Radiation therapy          |
| 10                    | 3E0H805              | Introduce of Other Antineoplastic into Lower GI, Endo      | 224                | Cancer chemothera          |
| 10                    | 3E0H80M              | Introduce of Monoclonal Antibody into Lower GI, Endo       | 224                | Cancer chemothera          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description   | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | 3E0J304              | Introduce Liquid Brachy in Bil/Panc Tract, Perc               | 211                | Radiation therapy          |
| 10                    | 3E0J305              | Introduce Oth Antineoplastic in Bil/Panc Tract, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0J30M              | Introduce Monoclonal Antibody in Bil/Panc Tract, Perc         | 224                | Cancer chemothera          |
| 10                    | 3E0J3U0              | Introduce Autol Pancr Islet in Bil/Panc Tract, Perc           | 176                | Organ transplanta          |
| 10                    | 3E0J3U1              | Introduce Nonaut Pancr Islet in Bil/Panc Tract, Perc          | 176                | Organ transplanta          |
| 10                    | 3E0J704              | Introduce of Liquid Brachy into Bil/Panc Tract, Via Openin    | 211                | Radiation therapy          |
| 10                    | 3E0J705              | Introduce Oth Antineoplastic in Bil/Panc Tract, Via Openin    | 224                | Cancer chemothera          |
| 10                    | 3E0J70M              | Introduce Monoclonal Antibody in Bil/Panc Tract, Via Openin   | 224                | Cancer chemothera          |
| 10                    | 3E0J7U0              | Introduce Autol Pancr Islet in Bil/Panc Tract, Via Opening    | 176                | Organ transplanta          |
| 10                    | 3E0J7U1              | Introduce Nonaut Pancr Islet in Bil/Panc Tract, Via Openin    | 176                | Organ transplanta          |
| 10                    | 3E0J804              | Introduction of Liquid Brachy into Bil/Panc Tract, Endo       | 211                | Radiation therapy          |
| 10                    | 3E0J805              | Introduction of Oth Antineoplastic into Bil/Panc Tract, En    | 224                | Cancer chemothera          |
| 10                    | 3E0J80M              | Introduce of Monoclonal Antibody into Bil/Panc Tract, Endo    | 224                | Cancer chemothera          |
| 10                    | 3E0J8U0              | Introduction of Autol Pancr Islet into Bil/Panc Tract, End    | 176                | Organ transplanta          |
| 10                    | 3E0J8U1              | Introduction of Nonaut Pancr Islet into Bil/Panc Tract, En    | 176                | Organ transplanta          |
| 10                    | 3E0K304              | Introduction of Liquid Brachy into GU Tract, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 3E0K305              | Introduce of Oth Antineoplastic into GU Tract, Perc Approa    | 224                | Cancer chemothera          |
| 10                    | 3E0K30M              | Introduce Monoclonal Antibody in GU Tract, Perc               | 224                | Cancer chemothera          |
| 10                    | 3E0K704              | Introduction of Liquid Brachy into GU Tract, Via Opening      | 211                | Radiation therapy          |
| 10                    | 3E0K705              | Introduce of Oth Antineoplastic into GU Tract, Via Opening    | 224                | Cancer chemothera          |
| 10                    | 3E0K70M              | Introduce of Monoclonal Antibody into GU Tract, Via Openin    | 224                | Cancer chemothera          |
| 10                    | 3E0K804              | Introduction of Liquid Brachy into GU Tract, Endo             | 211                | Radiation therapy          |
| 10                    | 3E0K805              | Introduction of Other Antineoplastic into GU Tract, Endo      | 224                | Cancer chemothera          |
| 10                    | 3E0K80M              | Introduction of Monoclonal Antibody into GU Tract, Endo       | 224                | Cancer chemothera          |
| 10                    | 3E0L304              | Introduce of Liquid Brachy into Pleural Cav, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 3E0L305              | Introduce Oth Antineoplastic in Pleural Cav, Perc             | 224                | Cancer chemothera          |
| 10                    | 3E0L30M              | Introduce Monoclonal Antibody in Pleural Cav, Perc            | 224                | Cancer chemothera          |
| 10                    | 3E0L3KZ              | Introduce of Oth Diagn Subst into Pleural Cav, Perc Approa    | 40                 | Other diagnostic           |
| 10                    | 3E0L704              | Introduction of Liquid Brachy into Pleural Cav, Via Openin    | 211                | Radiation therapy          |
| 10                    | 3E0L705              | Introduce Oth Antineoplastic in Pleural Cav, Via Opening      | 224                | Cancer chemothera          |
| 10                    | 3E0L70M              | Introduce Monoclonal Antibody in Pleural Cav, Via Opening     | 224                | Cancer chemothera          |
| 10                    | 3E0M304              | Introduce of Liquid Brachy into Periton Cav, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 3E0M305              | Introduce Oth Antineoplastic in Periton Cav, Perc             | 224                | Cancer chemothera          |
| 10                    | 3E0M30M              | Introduce Monoclonal Antibody in Periton Cav, Perc            | 224                | Cancer chemothera          |
| 10                    | 3E0M704              | Introduction of Liquid Brachy into Periton Cav, Via Openin    | 211                | Radiation therapy          |
| 10                    | 3E0M705              | Introduce Oth Antineoplastic in Periton Cav, Via Opening      | 224                | Cancer chemothera          |
| 10                    | 3E0M70M              | Introduce Monoclonal Antibody in Periton Cav, Via Opening     | 224                | Cancer chemothera          |
| 10                    | 3E0N304              | Introduce of Liquid Brachy into Male Reprod, Perc Approach    | 211                | Radiation therapy          |
| 10                    | 3E0N305              | Introduce Oth Antineoplastic in Male Reprod, Perc             | 224                | Cancer chemothera          |
| 10                    | 3E0N30M              | Introduce Monoclonal Antibody in Male Reprod, Perc            | 224                | Cancer chemothera          |
| 10                    | 3E0N704              | Introduction of Liquid Brachy into Male Reprod, Via Openin    | 211                | Radiation therapy          |
| 10                    | 3E0N705              | Introduce Oth Antineoplastic in Male Reprod, Via Opening      | 224                | Cancer chemothera          |
| 10                    | 3E0N70M              | Introduce Monoclonal Antibody in Male Reprod, Via Opening     | 224                | Cancer chemothera          |
| 10                    | 3E0N804              | Introduction of Liquid Brachy into Male Reprod, Endo          | 211                | Radiation therapy          |
| 10                    | 3E0N805              | Introduction of Other Antineoplastic into Male Reprod, End    | 224                | Cancer chemothera          |
| 10                    | 3E0N80M              | Introduction of Monoclonal Antibody into Male Reprod, Endo    | 224                | Cancer chemothera          |
| 10                    | 3E0P304              | Introduction of Liquid Brachy into Fem Reprod, Perc Approa    | 211                | Radiation therapy          |
| 10                    | 3E0P305              | Introduce Oth Antineoplastic in Fem Reprod, Perc              | 224                | Cancer chemothera          |
| 10                    | 3E0P30M              | Introduce Monoclonal Antibody in Fem Reprod, Perc             | 224                | Cancer chemothera          |
| 10                    | 3E0P704              | Introduction of Liquid Brachy into Fem Reprod, Via Opening    | 211                | Radiation therapy          |
| 10                    | 3E0P705              | Introduce of Oth Antineoplastic into Fem Reprod, Via Openi    | 224                | Cancer chemothera          |
| 10                    | 3E0P70M              | Introduce Monoclonal Antibody in Fem Reprod, Via Opening      | 224                | Cancer chemothera          |
| 10                    | 3E0P804              | Introduction of Liquid Brachy into Fem Reprod, Endo           | 211                | Radiation therapy          |
| 10                    | 3E0P805              | Introduction of Other Antineoplastic into Fem Reprod, Endo    | 224                | Cancer chemothera          |
| 10                    | 3E0P80M              | Introduction of Monoclonal Antibody into Fem Reprod, Endo     | 224                | Cancer chemothera          |
| 10                    | 3E0Q004              | Introduce Liquid Brachy in Cran Cav/Brain, Open               | 211                | Radiation therapy          |
| 10                    | 3E0Q005              | Introduce Oth Antineoplastic in Cran Cav/Brain, Open          | 224                | Cancer chemothera          |
| 10                    | 3E0Q00M              | Introduce Monoclonal Antibody in Cran Cav/Brain, Open         | 224                | Cancer chemothera          |
| 10                    | 3E0Q304              | Introduce Liquid Brachy in Cran Cav/Brain, Perc               | 211                | Radiation therapy          |
| 10                    | 3E0Q305              | Introduce Oth Antineoplastic in Cran Cav/Brain, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0Q30M              | Introduce Monoclonal Antibody in Cran Cav/Brain, Perc         | 224                | Cancer chemothera          |
| 10                    | 3E0Q704              | Introduce of Liquid Brachy into Cran Cav/Brain, Via Openin    | 211                | Radiation therapy          |
| 10                    | 3E0Q705              | Introduce Oth Antineoplastic in Cran Cav/Brain, Via Openin    | 224                | Cancer chemothera          |
| 10                    | 3E0Q70M              | Introduce Monoclonal Antibody in Cran Cav/Brain, Via Openi    | 224                | Cancer chemothera          |
| 10                    | 3E0R0AZ              | Introduce of Embr Stem Cell into Spinal Canal, Open Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R0E0              | Introduce Autol Somat Stem Cell in Spinal Canal, Open         | 5                  | Insertion of cath          |
| 10                    | 3E0R0E1              | Introduce Nonaut Somat Stem Cell in Spinal Canal, Open        | 5                  | Insertion of cath          |
| 10                    | 3E0R302              | Introduce of High dose IL-2 into Spinal Canal, Perc Approa    | 224                | Cancer chemothera          |
| 10                    | 3E0R303              | Introduce of Low dose IL-2 into Spinal Canal, Perc Approa     | 224                | Cancer chemothera          |
| 10                    | 3E0R304              | Introduce of Liquid Brachy into Spinal Canal, Perc Approac    | 211                | Radiation therapy          |
| 10                    | 3E0R305              | Introduce Oth Antineoplastic in Spinal Canal, Perc            | 224                | Cancer chemothera          |
| 10                    | 3E0R30M              | Introduce Monoclonal Antibody in Spinal Canal, Perc           | 224                | Cancer chemothera          |
| 10                    | 3E0R328              | Introduce of Oxazolidinones into Spinal Canal, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R329              | Introduce Oth Anti-infect in Spinal Canal, Perc               | 5                  | Insertion of cath          |
| 10                    | 3E0R332              | Introduction of Anti-inflam into Spinal Canal, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R362              | Introduction of Nutritional into Spinal Canal, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R372              | Introduce Electro/Water Bal in Spinal Canal, Perc             | 5                  | Insertion of cath          |
| 10                    | 3E0R3AZ              | Introduce of Embr Stem Cell into Spinal Canal, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R3B2              | Introduce of Local Anesth into Spinal Canal, Perc Approach    | 5                  | Insertion of cath          |
| 10                    | 3E0R3CZ              | Introduce Regional Anesth in Spinal Canal, Perc               | 5                  | Insertion of cath          |
| 10                    | 3E0R3E0              | Introduce Autol Somat Stem Cell in Spinal Canal, Perc         | 5                  | Insertion of cath          |
| 10                    | 3E0R3E1              | Introduce Nonaut Somat Stem Cell in Spinal Canal, Perc        | 5                  | Insertion of cath          |
| 10                    | 3E0R3GC              | Introduce Oth Therap Subst in Spinal Canal, Perc              | 5                  | Insertion of cath          |
| 10                    | 3E0R3NZ              | Introduce Analg/Hypnot/Sedat in Spinal Canal, Perc            | 5                  | Insertion of cath          |
| 10                    | 3E0R3SF              | Introduction of Other Gas into Spinal Canal, Perc Approach    | 5                  | Insertion of cath          |
| 10                    | 3E0R3TZ              | Introduction of Destr Agent into Spinal Canal, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0R7SF              | Introduction of Other Gas into Spinal Canal, Via Opening      | 5                  | Insertion of cath          |
| 10                    | 3E0S302              | Introduce High dose IL-2 in Epidural Space, Perc              | 224                | Cancer chemothera          |
| 10                    | 3E0S303              | Introduce Low dose IL-2 in Epidural Space, Perc               | 224                | Cancer chemothera          |
| 10                    | 3E0S304              | Introduce Liquid Brachy in Epidural Space, Perc               | 211                | Radiation therapy          |
| 10                    | 3E0S305              | Introduce Oth Antineoplastic in Epidural Space, Perc          | 224                | Cancer chemothera          |
| 10                    | 3E0S30M              | Introduce Monoclonal Antibody in Epidural Space, Perc         | 224                | Cancer chemothera          |
| 10                    | 3E0S328              | Introduce Oxazolidinones in Epidural Space, Perc              | 5                  | Insertion of cath          |
| 10                    | 3E0S329              | Introduce Oth Anti-infect in Epidural Space, Perc             | 5                  | Insertion of cath          |
| 10                    | 3E0S332              | Introduce of Anti-inflam into Epidural Space, Perc Approac    | 5                  | Insertion of cath          |
| 10                    | 3E0S362              | Introduce of Nutritional into Epidural Space, Perc Approac    | 5                  | Insertion of cath          |
| 10                    | 3E0S372              | Introduce Electro/Water Bal in Epidural Space, Perc           | 5                  | Insertion of cath          |
| 10                    | 3E0S3B2              | Introduce of Local Anesth into Epidural Space, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0S3CZ              | Introduce Regional Anesth in Epidural Space, Perc             | 5                  | Insertion of cath          |
| 10                    | 3E0S3GC              | Introduce Oth Therap Subst in Epidural Space, Perc            | 5                  | Insertion of cath          |
| 10                    | 3E0S3NZ              | Introduce Analg/Hypnot/Sedat in Epidural Space, Perc          | 5                  | Insertion of cath          |
| 10                    | 3E0S3SF              | Introduction of Other Gas into Epidural Space, Perc Approa    | 5                  | Insertion of cath          |
| 10                    | 3E0S3TZ              | Introduction of Destr Agent into Epidural Space, Perc Approac | 5                  | Insertion of cath          |
| 10                    | 3E0S7SF              | Introduction of Other Gas into Epidural Space, Via Opening    | 5                  | Insertion of cath          |
| 10                    | 3E0U304              | Introduction of Liquid Brachy into Joint, Perc Approach       | 211                | Radiation therapy          |
| 10                    | 3E0U305              | Introduce of Oth Antineoplastic into Joint, Perc Approa       | 224                | Cancer chemothera          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | 3E0U30M              | Introduce of Monoclonal Antibody into Joint, Perc Approach  | 224                | Cancer chemothera         |
| 10                    | 3E0U3KZ              | Introduction of Oth Diagn Subst into Joint, Perc Approach   | 159                | Other diagnostic          |
| 10                    | 3E0V305              | Introduction of Oth Antineoplastic into Bone, Perc Approach | 224                | Cancer chemothera         |
| 10                    | 3E0V30M              | Introduction of Monoclonal Antibody into Bone, Perc Approa  | 224                | Cancer chemothera         |
| 10                    | 3E0V36Z              | Introduction of Nutritional into Bone, Perc Approach        | 67                 | Other procedures;         |
| 10                    | 3E0V3KZ              | Introduction of Oth Diagn Subst into Bone, Perc Approach    | 159                | Other diagnostic          |
| 10                    | 3E0W305              | Introduction of Oth Antineoplastic into Lymph, Perc Approa  | 224                | Cancer chemothera         |
| 10                    | 3E0W30M              | Introduce of Monoclonal Antibody into Lymph, Perc Approach  | 224                | Cancer chemothera         |
| 10                    | 3E0W328              | Introduction of Oxazolidinones into Lymph, Perc Approach    | 67                 | Other procedures;         |
| 10                    | 3E0W329              | Introduction of Oth Anti-infect into Lymph, Perc Approach   | 67                 | Other procedures;         |
| 10                    | 3E0W33Z              | Introduction of Anti-inflammatory into Lymph, Perc Approac  | 67                 | Other procedures;         |
| 10                    | 3E0W36Z              | Introduction of Nutritional into Lymph, Perc Approach       | 67                 | Other procedures;         |
| 10                    | 3E0W37Z              | Introduction of Electrol/Water Bal into Lymph, Perc Approa  | 67                 | Other procedures;         |
| 10                    | 3E0W38Z              | Introduction of Local Anesthetic into Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 3E0W3GC              | Introduction of Oth Therap Subst into Lymph, Perc Approach  | 67                 | Other procedures;         |
| 10                    | 3E0W3NZ              | Introduction of Analg/Hypnot/Sedat into Lymph, Perc Approa  | 67                 | Other procedures;         |
| 10                    | 3E0W3TZ              | Introduction of Destructive Agent into Lymph, Perc Approac  | 67                 | Other procedures;         |
| 10                    | 3E0Y304              | Introduce of Liquid Brachy into Pericard Cav, Perc Approac  | 211                | Radiation therapy         |
| 10                    | 3E0Y305              | Introduce Oth Antineoplastic in Pericard Cav, Perc          | 224                | Cancer chemothera         |
| 10                    | 3E0Y30M              | Introduce Monoclonal Antibody in Pericard Cav, Perc         | 224                | Cancer chemothera         |
| 10                    | 3E0Y3KZ              | Introduce Oth Diagn Subst in Pericard Cav, Perc             | 62                 | Other diagnostic          |
| 10                    | 3E0Y704              | Introduction of Liquid Brachy into Pericard Cav, Via Openi  | 211                | Radiation therapy         |
| 10                    | 3E0Y705              | Introduce Oth Antineoplastic in Pericard Cav, Via Opening   | 224                | Cancer chemothera         |
| 10                    | 3E0Y70M              | Introduce Monoclonal Antibody in Pericard Cav, Via Opening  | 224                | Cancer chemothera         |
| 10                    | 3E1F38X              | Irrigation of Resp Tract using Irrigat, Perc Approach, Dia  | 40                 | Other diagnostic          |
| 10                    | 3E1F78X              | Irrigation of Resp Tract using Irrigat, Via Opening, Diagn  | 40                 | Other diagnostic          |
| 10                    | 3E1F88X              | Irrigation of Respiratory Tract using Irrigat, Endo, Diagn  | 40                 | Other diagnostic          |
| 10                    | 3E1L38X              | Irrigate of Pleural Cav using Irrigat, Perc Approach, Diag  | 40                 | Other diagnostic          |
| 10                    | 3E1U38X              | Irrigation of Joints using Irrigat, Perc Approach, Diagn    | 159                | Other diagnostic          |
| 10                    | 3E1Y38X              | Irrigate of Pericard Cav using Irrigat, Perc Approach, Dia  | 62                 | Other diagnostic          |
| 10                    | 4A020N6              | Measure of Cardiac Sampl & Pressure, R Heart, Open Approac  | 47                 | Diagnostic cardia         |
| 10                    | 4A020N7              | Measure of Cardiac Sampl & Pressure, L Heart, Open Approac  | 47                 | Diagnostic cardia         |
| 10                    | 4A020N8              | Measure Cardiac Sampl & Pressure, Bilateral, Open           | 47                 | Diagnostic cardia         |
| 10                    | 4A020PZ              | Measurement of Cardiac Action Currents, Open Approach       | 47                 | Diagnostic cardia         |
| 10                    | 4A023N6              | Measure of Cardiac Sampl & Pressure, R Heart, Perc Approac  | 47                 | Diagnostic cardia         |
| 10                    | 4A023N7              | Measure of Cardiac Sampl & Pressure, L Heart, Perc Approac  | 47                 | Diagnostic cardia         |
| 10                    | 4A023N8              | Measure Cardiac Sampl & Pressure, Bilateral, Perc           | 47                 | Diagnostic cardia         |
| 10                    | 4A023PZ              | Measurement of Cardiac Action Currents, Perc Approach       | 47                 | Diagnostic cardia         |
| 10                    | 4A0605Z              | Measurement of Lymphatic Flow, Open Approach                | 67                 | Other procedures;         |
| 10                    | 4A0608Z              | Measurement of Lymphatic Pressure, Open Approach            | 67                 | Other procedures;         |
| 10                    | 4A0635Z              | Measurement of Lymphatic Flow, Percutaneous Approach        | 67                 | Other procedures;         |
| 10                    | 4A0638Z              | Measurement of Lymphatic Pressure, Percutaneous Approach    | 67                 | Other procedures;         |
| 10                    | 4A1605Z              | Monitoring of Lymphatic Flow, Open Approach                 | 67                 | Other procedures;         |
| 10                    | 4A1608Z              | Monitoring of Lymphatic Pressure, Open Approach             | 67                 | Other procedures;         |
| 10                    | 4A1635Z              | Monitoring of Lymphatic Flow, Percutaneous Approach         | 67                 | Other procedures;         |
| 10                    | 4A1638Z              | Monitoring of Lymphatic Pressure, Percutaneous Approach     | 67                 | Other procedures;         |
| 10                    | B2000ZZ              | Plain Radiography of Single Cor Art using H Osm Contrast    | 47                 | Diagnostic cardia         |
| 10                    | B2001ZZ              | Plain Radiography of Single Cor Art using Oth Contrast      | 47                 | Diagnostic cardia         |
| 10                    | B200YZZ              | Plain Radiography of Single Cor Art using Oth Contrast      | 47                 | Diagnostic cardia         |
| 10                    | B2010ZZ              | Plain Radiography of Mult Cor Art using H Osm Contrast      | 47                 | Diagnostic cardia         |
| 10                    | B2011ZZ              | Plain Radiography of Mult Cor Art using L Osm Contrast      | 47                 | Diagnostic cardia         |
| 10                    | B201YZZ              | Plain Radiography of Mult Cor Art using Oth Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B2020ZZ              | Plain Radiography of Sing Cor A Graft using H Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B2021ZZ              | Plain Radiography of Sing Cor A Graft using L Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B202YZZ              | Plain Radiography of Sing Cor A Graft using Oth Contrast    | 47                 | Diagnostic cardia         |
| 10                    | B2030ZZ              | Plain Radiography of Mult Cor A Graft using H Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B2031ZZ              | Plain Radiography of Mult Cor A Graft using L Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B203YZZ              | Plain Radiography of Mult Cor A Graft using Oth Contrast    | 47                 | Diagnostic cardia         |
| 10                    | B2040ZZ              | Plain Radiography of Right Heart using High Osmolar Contra  | 47                 | Diagnostic cardia         |
| 10                    | B2041ZZ              | Plain Radiography of Right Heart using Low Osmolar Contras  | 47                 | Diagnostic cardia         |
| 10                    | B204YZZ              | Plain Radiography of Right Heart using Other Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B2050ZZ              | Plain Radiography of Left Heart using High Osmolar Contras  | 47                 | Diagnostic cardia         |
| 10                    | B2051ZZ              | Plain Radiography of Left Heart using Low Osmolar Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B205YZZ              | Plain Radiography of Left Heart using Other Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B2060ZZ              | Plain Radiography of R & L Heart using H Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B2061ZZ              | Plain Radiography of R & L Heart using L Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B206YZZ              | Plain Radiography of Right and Left Heart using Oth Contra  | 47                 | Diagnostic cardia         |
| 10                    | B2070ZZ              | Plain Radiography of R Int Mamm Graft using H Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B2071ZZ              | Plain Radiography of R Int Mamm Graft using L Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B207YZZ              | Plain Radiography of R Int Mamm Graft using Oth Contrast    | 47                 | Diagnostic cardia         |
| 10                    | B2080ZZ              | Plain Radiography of L Int Mamm Graft using H Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B2081ZZ              | Plain Radiography of L Int Mamm Graft using L Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B208YZZ              | Plain Radiography of L Int Mamm Graft using Oth Contrast    | 47                 | Diagnostic cardia         |
| 10                    | B20F0ZZ              | Plain Radiography of Other Bypass Graft using H Osm Contra  | 47                 | Diagnostic cardia         |
| 10                    | B20F1ZZ              | Plain Radiography of Other Bypass Graft using L Osm Contra  | 47                 | Diagnostic cardia         |
| 10                    | B20FYZZ              | Plain Radiography of Other Bypass Graft using Other Contra  | 47                 | Diagnostic cardia         |
| 10                    | B210010              | Fluoroscopy Single Cor Art w H Osm Contrast, Laser Intraop  | 47                 | Diagnostic cardia         |
| 10                    | B2100ZZ              | Fluoroscopy of Single Coronary Artery using H Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B210110              | Fluoroscopy Single Cor Art w L Osm Contrast, Laser Intraop  | 47                 | Diagnostic cardia         |
| 10                    | B2101ZZ              | Fluoroscopy of Single Coronary Artery using L Osm Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B210Y10              | Fluoroscopy Single Cor Art w Oth Contrast, Laser Intraop    | 47                 | Diagnostic cardia         |
| 10                    | B210YZZ              | Fluoroscopy of Single Coronary Artery using Other Contrast  | 47                 | Diagnostic cardia         |
| 10                    | B211010              | Fluoroscopy Mult Cor Art w H Osm Contrast, Laser Intraop    | 47                 | Diagnostic cardia         |
| 10                    | B2110ZZ              | Fluoroscopy of Mult Cor Art using H Osm Contrast            | 47                 | Diagnostic cardia         |
| 10                    | B211110              | Fluoroscopy Mult Cor Art w L Osm Contrast, Laser Intraop    | 47                 | Diagnostic cardia         |
| 10                    | B2111ZZ              | Fluoroscopy of Mult Cor Art using L Osm Contrast            | 47                 | Diagnostic cardia         |
| 10                    | B211Y10              | Fluoroscopy Mult Cor Art w Oth Contrast, Laser Intraop      | 47                 | Diagnostic cardia         |
| 10                    | B211YZZ              | Fluoroscopy of Multiple Coronary Arteries using Oth Contra  | 47                 | Diagnostic cardia         |
| 10                    | B212010              | Fluoroscopy Sing Cor A Graft w H Osm Contrast, Laser Intra  | 47                 | Diagnostic cardia         |
| 10                    | B2120ZZ              | Fluoroscopy of Sing Cor A Graft using H Osm Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B212110              | Fluoroscopy Sing Cor A Graft w L Osm Contrast, Laser Intra  | 47                 | Diagnostic cardia         |
| 10                    | B2121ZZ              | Fluoroscopy of Sing Cor A Graft using L Osm Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B212Y10              | Fluoroscopy Sing Cor A Graft w Oth Contrast, Laser Intraop  | 47                 | Diagnostic cardia         |
| 10                    | B212YZZ              | Fluoroscopy of Sing Cor A Graft using Oth Contrast          | 47                 | Diagnostic cardia         |
| 10                    | B213010              | Fluoroscopy Mult Cor A Graft w H Osm Contrast, Laser Intra  | 47                 | Diagnostic cardia         |
| 10                    | B2130ZZ              | Fluoroscopy of Mult Cor A Graft using H Osm Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B213110              | Fluoroscopy Mult Cor A Graft w L Osm Contrast, Laser Intra  | 47                 | Diagnostic cardia         |
| 10                    | B2131ZZ              | Fluoroscopy of Mult Cor A Graft using L Osm Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B213Y10              | Fluoroscopy Mult Cor A Graft w Oth Contrast, Laser Intraop  | 47                 | Diagnostic cardia         |
| 10                    | B213YZZ              | Fluoroscopy of Mult Cor A Graft using Oth Contrast          | 47                 | Diagnostic cardia         |
| 10                    | B2140ZZ              | Fluoroscopy of Right Heart using High Osmolar Contrast      | 47                 | Diagnostic cardia         |
| 10                    | B2141ZZ              | Fluoroscopy of Right Heart using Low Osmolar Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B214YZZ              | Fluoroscopy of Right Heart using Other Contrast             | 47                 | Diagnostic cardia         |
| 10                    | B2150ZZ              | Fluoroscopy of Left Heart using High Osmolar Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B2151ZZ              | Fluoroscopy of Left Heart using Low Osmolar Contrast        | 47                 | Diagnostic cardia         |
| 10                    | B215YZZ              | Fluoroscopy of Left Heart using Other Contrast              | 47                 | Diagnostic cardia         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | B2160ZZ              | Fluoroscopy of Right and Left Heart using H Osm Contrast   | 47                 | Diagnostic cardia         |
| 10                    | B2161ZZ              | Fluoroscopy of Right and Left Heart using L Osm Contrast   | 47                 | Diagnostic cardia         |
| 10                    | B216YZZ              | Fluoroscopy of Right and Left Heart using Oth Contrast     | 47                 | Diagnostic cardia         |
| 10                    | B2170ZZ              | Fluoroscopy of R Int Mamm Graft using H Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B2171ZZ              | Fluoroscopy of R Int Mamm Graft using L Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B217YZZ              | Fluoroscopy of R Int Mamm Graft using Oth Contrast         | 47                 | Diagnostic cardia         |
| 10                    | B2180ZZ              | Fluoroscopy of L Int Mamm Graft using H Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B2181ZZ              | Fluoroscopy of L Int Mamm Graft using L Osm Contrast       | 47                 | Diagnostic cardia         |
| 10                    | B218YZZ              | Fluoroscopy of L Int Mamm Graft using Oth Contrast         | 47                 | Diagnostic cardia         |
| 10                    | B21F0ZZ              | Fluoroscopy of Other Bypass Graft using H Osm Contrast     | 47                 | Diagnostic cardia         |
| 10                    | B21F1ZZ              | Fluoroscopy of Other Bypass Graft using Low Osmolar Contra | 47                 | Diagnostic cardia         |
| 10                    | B21FYZZ              | Fluoroscopy of Other Bypass Graft using Other Contrast     | 47                 | Diagnostic cardia         |
| 10                    | CW70NZZ              | Systemic Nuclear Medicine Therapy of Abd using Phosphorus  | 211                | Radiation therapy         |
| 10                    | CW70YZZ              | Sys Nucl Med Therapy of Abd using Oth Radionuclide         | 211                | Radiation therapy         |
| 10                    | CW73NZZ              | Sys Nucl Med Therapy of Chest using Phosphorus 32          | 211                | Radiation therapy         |
| 10                    | CW73YZZ              | Sys Nucl Med Therapy of Chest using Oth Radionuclide       | 211                | Radiation therapy         |
| 10                    | CW7GGZZ              | Sys Nucl Med Therapy of Thyroid using Iodine 131           | 211                | Radiation therapy         |
| 10                    | CW7GYZZ              | Sys Nucl Med Therapy of Thyroid using Oth Radionuclide     | 211                | Radiation therapy         |
| 10                    | CW7N8ZZ              | Sys Nucl Med Therapy of Whole Body using Samarium 153      | 211                | Radiation therapy         |
| 10                    | CW7NGZZ              | Sys Nucl Med Therapy of Whole Body using Iodine 131        | 211                | Radiation therapy         |
| 10                    | CW7NNZZ              | Sys Nucl Med Therapy of Whole Body using Phosphorus 32     | 211                | Radiation therapy         |
| 10                    | CW7NPZZ              | Sys Nucl Med Therapy of Whole Body using Strontium 89      | 211                | Radiation therapy         |
| 10                    | CW7NYZZ              | Sys Nucl Med Therapy of Whole Body using Oth Radionuclide  | 211                | Radiation therapy         |
| 10                    | CW7WYZZ              | Sys Nucl Med Therapy Mult Anatom Region w Oth Radionuclide | 211                | Radiation therapy         |
| 10                    | D0000ZZ              | Beam Radiation of Brain using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | D0001ZZ              | Beam Radiation of Brain using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | D0002ZZ              | Beam Radiation of Brain using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | D0003ZZ              | Beam Radiation of Brain using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | D0003ZZ              | Beam Radiation of Brain using Electrons                    | 211                | Radiation therapy         |
| 10                    | D0004ZZ              | Beam Radiation of Brain using Heavy Particles (Protons,Ion | 211                | Radiation therapy         |
| 10                    | D0005ZZ              | Beam Radiation of Brain using Neutrons                     | 211                | Radiation therapy         |
| 10                    | D0006ZZ              | Beam Radiation of Brain using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | D0010ZZ              | Beam Radiation of Brain Stem using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | D0011ZZ              | Beam Radiation of Brain Stem using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | D0012ZZ              | Beam Radiation of Brain Stem using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | D0013ZZ              | Beam Radiation of Brain Stem using Electrons, Intraoperati | 211                | Radiation therapy         |
| 10                    | D0013ZZ              | Beam Radiation of Brain Stem using Electrons               | 211                | Radiation therapy         |
| 10                    | D0014ZZ              | Beam Radiation of Brain Stem using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | D0015ZZ              | Beam Radiation of Brain Stem using Neutrons                | 211                | Radiation therapy         |
| 10                    | D0016ZZ              | Beam Radiation of Brain Stem using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | D0060ZZ              | Beam Radiation of Spinal Cord using Photons <1 MeV         | 211                | Radiation therapy         |
| 10                    | D0061ZZ              | Beam Radiation of Spinal Cord using Photons 1 - 10 MeV     | 211                | Radiation therapy         |
| 10                    | D0062ZZ              | Beam Radiation of Spinal Cord using Photons >10 MeV        | 211                | Radiation therapy         |
| 10                    | D0063ZZ              | Beam Radiation of Spinal Cord using Electrons, Intraop     | 211                | Radiation therapy         |
| 10                    | D0063ZZ              | Beam Radiation of Spinal Cord using Electrons              | 211                | Radiation therapy         |
| 10                    | D0064ZZ              | Beam Radiation of Spinal Cord using Heavy Particles        | 211                | Radiation therapy         |
| 10                    | D0065ZZ              | Beam Radiation of Spinal Cord using Neutrons               | 211                | Radiation therapy         |
| 10                    | D0066ZZ              | Beam Radiation of Spinal Cord using Neutron Capture        | 211                | Radiation therapy         |
| 10                    | D0070ZZ              | Beam Radiation of Peripheral Nerve using Photons <1 MeV    | 211                | Radiation therapy         |
| 10                    | D0071ZZ              | Beam Radiation of Peripheral Nerve using Photons 1 - 10 Me | 211                | Radiation therapy         |
| 10                    | D0072ZZ              | Beam Radiation of Peripheral Nerve using Photons >10 MeV   | 211                | Radiation therapy         |
| 10                    | D0073ZZ              | Beam Radiation of Peripheral Nerve using Electrons, Intrao | 211                | Radiation therapy         |
| 10                    | D0073ZZ              | Beam Radiation of Peripheral Nerve using Electrons         | 211                | Radiation therapy         |
| 10                    | D0074ZZ              | Beam Radiation of Peripheral Nerve using Heavy Particles   | 211                | Radiation therapy         |
| 10                    | D0075ZZ              | Beam Radiation of Peripheral Nerve using Neutrons          | 211                | Radiation therapy         |
| 10                    | D0076ZZ              | Beam Radiation of Peripheral Nerve using Neutron Capture   | 211                | Radiation therapy         |
| 10                    | D01097Z              | High Dose Rate (HDR) Brachytherapy of Brain using Cesium 1 | 211                | Radiation therapy         |
| 10                    | D01098Z              | HDR Brachytherapy of Brain using Iridium 192               | 211                | Radiation therapy         |
| 10                    | D01099Z              | High Dose Rate (HDR) Brachytherapy of Brain using Iodine 1 | 211                | Radiation therapy         |
| 10                    | D01098Z              | HDR Brachytherapy of Brain using Palladium 103             | 211                | Radiation therapy         |
| 10                    | D0109CZ              | HDR Brachytherapy of Brain using Californium 252           | 211                | Radiation therapy         |
| 10                    | D0109YZ              | HDR Brachytherapy of Brain using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | D01087Z              | Low Dose Rate (LDR) Brachytherapy of Brain using Cesium 13 | 211                | Radiation therapy         |
| 10                    | D01088Z              | Low Dose Rate (LDR) Brachytherapy of Brain using Iridium 1 | 211                | Radiation therapy         |
| 10                    | D01089Z              | Low Dose Rate (LDR) Brachytherapy of Brain using Iodine 12 | 211                | Radiation therapy         |
| 10                    | D01088Z              | LDR Brachytherapy of Brain using Palladium 103             | 211                | Radiation therapy         |
| 10                    | D0108CZ              | LDR Brachytherapy of Brain using Californium 252           | 211                | Radiation therapy         |
| 10                    | D0108YZ              | Low Dose Rate (LDR) Brachytherapy of Brain using Oth Isoto | 211                | Radiation therapy         |
| 10                    | D01197Z              | HDR Brachytherapy of Brain Stem using Cesium 137           | 211                | Radiation therapy         |
| 10                    | D01198Z              | HDR Brachytherapy of Brain Stem using Iridium 192          | 211                | Radiation therapy         |
| 10                    | D01199Z              | HDR Brachytherapy of Brain Stem using Iodine 125           | 211                | Radiation therapy         |
| 10                    | D01198Z              | HDR Brachytherapy of Brain Stem using Palladium 103        | 211                | Radiation therapy         |
| 10                    | D0119CZ              | HDR Brachytherapy of Brain Stem using Californium 252      | 211                | Radiation therapy         |
| 10                    | D0119YZ              | HDR Brachytherapy of Brain Stem using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | D01187Z              | LDR Brachytherapy of Brain Stem using Cesium 137           | 211                | Radiation therapy         |
| 10                    | D01188Z              | LDR Brachytherapy of Brain Stem using Iridium 192          | 211                | Radiation therapy         |
| 10                    | D01189Z              | LDR Brachytherapy of Brain Stem using Iodine 125           | 211                | Radiation therapy         |
| 10                    | D01188Z              | LDR Brachytherapy of Brain Stem using Palladium 103        | 211                | Radiation therapy         |
| 10                    | D0118CZ              | LDR Brachytherapy of Brain Stem using Californium 252      | 211                | Radiation therapy         |
| 10                    | D0118YZ              | LDR Brachytherapy of Brain Stem using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | D01697Z              | HDR Brachytherapy of Spinal Cord using Cesium 137          | 211                | Radiation therapy         |
| 10                    | D01698Z              | HDR Brachytherapy of Spinal Cord using Iridium 192         | 211                | Radiation therapy         |
| 10                    | D01699Z              | HDR Brachytherapy of Spinal Cord using Iodine 125          | 211                | Radiation therapy         |
| 10                    | D01698Z              | HDR Brachytherapy of Spinal Cord using Palladium 103       | 211                | Radiation therapy         |
| 10                    | D0169CZ              | HDR Brachytherapy of Spinal Cord using Californium 252     | 211                | Radiation therapy         |
| 10                    | D0169YZ              | HDR Brachytherapy of Spinal Cord using Oth Isotope         | 211                | Radiation therapy         |
| 10                    | D01687Z              | LDR Brachytherapy of Spinal Cord using Cesium 137          | 211                | Radiation therapy         |
| 10                    | D01688Z              | LDR Brachytherapy of Spinal Cord using Iridium 192         | 211                | Radiation therapy         |
| 10                    | D01689Z              | LDR Brachytherapy of Spinal Cord using Iodine 125          | 211                | Radiation therapy         |
| 10                    | D01688Z              | LDR Brachytherapy of Spinal Cord using Palladium 103       | 211                | Radiation therapy         |
| 10                    | D0168CZ              | LDR Brachytherapy of Spinal Cord using Californium 252     | 211                | Radiation therapy         |
| 10                    | D0168YZ              | LDR Brachytherapy of Spinal Cord using Oth Isotope         | 211                | Radiation therapy         |
| 10                    | D01797Z              | HDR Brachytherapy of Peripheral Nerve using Cesium 137     | 211                | Radiation therapy         |
| 10                    | D01798Z              | HDR Brachytherapy of Peripheral Nerve using Iridium 192    | 211                | Radiation therapy         |
| 10                    | D01799Z              | HDR Brachytherapy of Peripheral Nerve using Iodine 125     | 211                | Radiation therapy         |
| 10                    | D01798Z              | HDR Brachytherapy of Peripheral Nerve using Palladium 103  | 211                | Radiation therapy         |
| 10                    | D0179CZ              | HDR Brachytherapy of Peripheral Nerve using Californium 25 | 211                | Radiation therapy         |
| 10                    | D0179YZ              | HDR Brachytherapy of Peripheral Nerve using Oth Isotope    | 211                | Radiation therapy         |
| 10                    | D01787Z              | LDR Brachytherapy of Peripheral Nerve using Cesium 137     | 211                | Radiation therapy         |
| 10                    | D01788Z              | LDR Brachytherapy of Peripheral Nerve using Iridium 192    | 211                | Radiation therapy         |
| 10                    | D01789Z              | LDR Brachytherapy of Peripheral Nerve using Iodine 125     | 211                | Radiation therapy         |
| 10                    | D01788Z              | LDR Brachytherapy of Peripheral Nerve using Palladium 103  | 211                | Radiation therapy         |
| 10                    | D0178CZ              | LDR Brachytherapy of Peripheral Nerve using Californium 25 | 211                | Radiation therapy         |
| 10                    | D0178YZ              | LDR Brachytherapy of Peripheral Nerve using Oth Isotope    | 211                | Radiation therapy         |
| 10                    | D0200ZZ              | Stereotactic Other Photon Radiosurgery of Brain            | 211                | Radiation therapy         |
| 10                    | D020HZZ              | Stereotactic Particulate Radiosurgery of Brain             | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | D020JZZ              | Stereotactic Gamma Beam Radiosurgery of Brain               | 211                | Radiation therapy         |
| 10                    | D021DZZ              | Stereotactic Other Photon Radiosurgery of Brain Stem        | 211                | Radiation therapy         |
| 10                    | D021HZZ              | Stereotactic Particulate Radiosurgery of Brain Stem         | 211                | Radiation therapy         |
| 10                    | D021JZZ              | Stereotactic Gamma Beam Radiosurgery of Brain Stem          | 211                | Radiation therapy         |
| 10                    | D026DZZ              | Stereotactic Other Photon Radiosurgery of Spinal Cord       | 211                | Radiation therapy         |
| 10                    | D026HZZ              | Stereotactic Particulate Radiosurgery of Spinal Cord        | 211                | Radiation therapy         |
| 10                    | D026JZZ              | Stereotactic Gamma Beam Radiosurgery of Spinal Cord         | 211                | Radiation therapy         |
| 10                    | D027DZZ              | Stereotactic Other Photon Radiosurgery of Peripheral Nerve  | 211                | Radiation therapy         |
| 10                    | D027HZZ              | Stereotactic Particulate Radiosurgery of Peripheral Nerve   | 211                | Radiation therapy         |
| 10                    | D027JZZ              | Stereotactic Gamma Beam Radiosurgery of Peripheral Nerve    | 211                | Radiation therapy         |
| 10                    | D0Y07ZZ              | Contact Radiation of Brain                                  | 211                | Radiation therapy         |
| 10                    | D0Y08ZZ              | Hyperthermia of Brain                                       | 211                | Radiation therapy         |
| 10                    | D0Y0FZZ              | Plaque Radiation of Brain                                   | 211                | Radiation therapy         |
| 10                    | D0Y0KZZ              | Laser Interstitial Thermal Therapy of Brain                 | 211                | Radiation therapy         |
| 10                    | D0Y17ZZ              | Contact Radiation of Brain Stem                             | 211                | Radiation therapy         |
| 10                    | D0Y18ZZ              | Hyperthermia of Brain Stem                                  | 211                | Radiation therapy         |
| 10                    | D0Y1FZZ              | Plaque Radiation of Brain Stem                              | 211                | Radiation therapy         |
| 10                    | D0Y1KZZ              | Laser Interstitial Thermal Therapy of Brain Stem            | 211                | Radiation therapy         |
| 10                    | D0Y67ZZ              | Contact Radiation of Spinal Cord                            | 211                | Radiation therapy         |
| 10                    | D0Y68ZZ              | Hyperthermia of Spinal Cord                                 | 211                | Radiation therapy         |
| 10                    | D0Y6FZZ              | Plaque Radiation of Spinal Cord                             | 211                | Radiation therapy         |
| 10                    | D0Y6KZZ              | Laser Interstitial Thermal Therapy of Spinal Cord           | 211                | Radiation therapy         |
| 10                    | D0Y77ZZ              | Contact Radiation of Peripheral Nerve                       | 211                | Radiation therapy         |
| 10                    | D0Y78ZZ              | Hyperthermia of Peripheral Nerve                            | 211                | Radiation therapy         |
| 10                    | D0Y7FZZ              | Plaque Radiation of Peripheral Nerve                        | 211                | Radiation therapy         |
| 10                    | D0Y7KZZ              | Laser Interstitial Thermal Therapy of Peripheral Nerve      | 211                | Radiation therapy         |
| 10                    | D7000ZZ              | Beam Radiation of Bone Marrow using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | D7001ZZ              | Beam Radiation of Bone Marrow using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | D7002ZZ              | Beam Radiation of Bone Marrow using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | D7003Z0              | Beam Radiation of Bone Marrow using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | D7003Z2              | Beam Radiation of Bone Marrow using Electrons               | 211                | Radiation therapy         |
| 10                    | D7004Z2              | Beam Radiation of Bone Marrow using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | D7005Z2              | Beam Radiation of Bone Marrow using Neutrons                | 211                | Radiation therapy         |
| 10                    | D7006Z2              | Beam Radiation of Bone Marrow using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | D7010ZZ              | Beam Radiation of Thymus using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | D7011ZZ              | Beam Radiation of Thymus using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | D7012ZZ              | Beam Radiation of Thymus using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | D7013Z0              | Beam Radiation of Thymus using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | D7013Z2              | Beam Radiation of Thymus using Electrons                    | 211                | Radiation therapy         |
| 10                    | D7014Z2              | Beam Radiation of Thymus using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | D7015Z2              | Beam Radiation of Thymus using Neutrons                     | 211                | Radiation therapy         |
| 10                    | D7016Z2              | Beam Radiation of Thymus using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | D7020ZZ              | Beam Radiation of Spleen using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | D7021ZZ              | Beam Radiation of Spleen using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | D7022ZZ              | Beam Radiation of Spleen using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | D7023Z0              | Beam Radiation of Spleen using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | D7023Z2              | Beam Radiation of Spleen using Electrons                    | 211                | Radiation therapy         |
| 10                    | D7024Z2              | Beam Radiation of Spleen using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | D7025Z2              | Beam Radiation of Spleen using Neutrons                     | 211                | Radiation therapy         |
| 10                    | D7026Z2              | Beam Radiation of Spleen using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | D7030ZZ              | Beam Radiation of Neck Lymphatics using Photons <1 MeV      | 211                | Radiation therapy         |
| 10                    | D7031ZZ              | Beam Radiation of Neck Lymphatics using Photons 1 - 10 MeV  | 211                | Radiation therapy         |
| 10                    | D7032ZZ              | Beam Radiation of Neck Lymphatics using Photons >10 MeV     | 211                | Radiation therapy         |
| 10                    | D7033Z0              | Beam Radiation of Neck Lymphatics using Electrons, Intraop  | 211                | Radiation therapy         |
| 10                    | D7033Z2              | Beam Radiation of Neck Lymphatics using Electrons           | 211                | Radiation therapy         |
| 10                    | D7034Z2              | Beam Radiation of Neck Lymphatics using Heavy Particles     | 211                | Radiation therapy         |
| 10                    | D7035Z2              | Beam Radiation of Neck Lymphatics using Neutrons            | 211                | Radiation therapy         |
| 10                    | D7036Z2              | Beam Radiation of Neck Lymphatics using Neutron Capture     | 211                | Radiation therapy         |
| 10                    | D7040ZZ              | Beam Radiation of Axillary Lymphatics using Photons <1 MeV  | 211                | Radiation therapy         |
| 10                    | D7041ZZ              | Beam Radiation of Axilla Lymph using Photons 1 - 10 MeV     | 211                | Radiation therapy         |
| 10                    | D7042ZZ              | Beam Radiation of Axillary Lymphatics using Photons >10 MeV | 211                | Radiation therapy         |
| 10                    | D7043Z0              | Beam Radiation of Axilla Lymph using Electrons, Intraop     | 211                | Radiation therapy         |
| 10                    | D7043Z2              | Beam Radiation of Axillary Lymphatics using Electrons       | 211                | Radiation therapy         |
| 10                    | D7044Z2              | Beam Radiation of Axillary Lymphatics using Heavy Particle  | 211                | Radiation therapy         |
| 10                    | D7045Z2              | Beam Radiation of Axillary Lymphatics using Neutrons        | 211                | Radiation therapy         |
| 10                    | D7046Z2              | Beam Radiation of Axillary Lymphatics using Neutron Captur  | 211                | Radiation therapy         |
| 10                    | D7050ZZ              | Beam Radiation of Thorax Lymphatics using Photons <1 MeV    | 211                | Radiation therapy         |
| 10                    | D7051ZZ              | Beam Radiation of Thorax Lymphatics using Photons 1 - 10 M  | 211                | Radiation therapy         |
| 10                    | D7052ZZ              | Beam Radiation of Thorax Lymphatics using Photons >10 MeV   | 211                | Radiation therapy         |
| 10                    | D7053Z0              | Beam Radiation of Thorax Lymphatics using Electrons, Intra  | 211                | Radiation therapy         |
| 10                    | D7053Z2              | Beam Radiation of Thorax Lymphatics using Electrons         | 211                | Radiation therapy         |
| 10                    | D7054Z2              | Beam Radiation of Thorax Lymphatics using Heavy Particles   | 211                | Radiation therapy         |
| 10                    | D7055Z2              | Beam Radiation of Thorax Lymphatics using Neutrons          | 211                | Radiation therapy         |
| 10                    | D7056Z2              | Beam Radiation of Thorax Lymphatics using Neutron Capture   | 211                | Radiation therapy         |
| 10                    | D7060ZZ              | Beam Radiation of Abdomen Lymphatics using Photons <1 MeV   | 211                | Radiation therapy         |
| 10                    | D7061ZZ              | Beam Radiation of Abd Lymph using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | D7062ZZ              | Beam Radiation of Abdomen Lymphatics using Photons >10 MeV  | 211                | Radiation therapy         |
| 10                    | D7063Z0              | Beam Radiation of Abd Lymph using Electrons, Intraop        | 211                | Radiation therapy         |
| 10                    | D7063Z2              | Beam Radiation of Abdomen Lymphatics using Electrons        | 211                | Radiation therapy         |
| 10                    | D7064Z2              | Beam Radiation of Abdomen Lymphatics using Heavy Particles  | 211                | Radiation therapy         |
| 10                    | D7065Z2              | Beam Radiation of Abdomen Lymphatics using Neutrons         | 211                | Radiation therapy         |
| 10                    | D7066Z2              | Beam Radiation of Abdomen Lymphatics using Neutron Capture  | 211                | Radiation therapy         |
| 10                    | D7070ZZ              | Beam Radiation of Pelvis Lymphatics using Photons <1 MeV    | 211                | Radiation therapy         |
| 10                    | D7071ZZ              | Beam Radiation of Pelvis Lymphatics using Photons 1 - 10 M  | 211                | Radiation therapy         |
| 10                    | D7072ZZ              | Beam Radiation of Pelvis Lymphatics using Photons >10 MeV   | 211                | Radiation therapy         |
| 10                    | D7073Z0              | Beam Radiation of Pelvis Lymphatics using Electrons, Intra  | 211                | Radiation therapy         |
| 10                    | D7073Z2              | Beam Radiation of Pelvis Lymphatics using Electrons         | 211                | Radiation therapy         |
| 10                    | D7074Z2              | Beam Radiation of Pelvis Lymphatics using Heavy Particles   | 211                | Radiation therapy         |
| 10                    | D7075Z2              | Beam Radiation of Pelvis Lymphatics using Neutrons          | 211                | Radiation therapy         |
| 10                    | D7076Z2              | Beam Radiation of Pelvis Lymphatics using Neutron Capture   | 211                | Radiation therapy         |
| 10                    | D7080ZZ              | Beam Radiation of Inguinal Lymphatics using Photons <1 MeV  | 211                | Radiation therapy         |
| 10                    | D7081ZZ              | Beam Radiation of Inguinal Lymph using Photons 1 - 10 MeV   | 211                | Radiation therapy         |
| 10                    | D7082ZZ              | Beam Radiation of Inguinal Lymphatics using Photons >10 Me  | 211                | Radiation therapy         |
| 10                    | D7083Z0              | Beam Radiation of Inguinal Lymph using Electrons, Intraop   | 211                | Radiation therapy         |
| 10                    | D7083Z2              | Beam Radiation of Inguinal Lymphatics using Electrons       | 211                | Radiation therapy         |
| 10                    | D7084Z2              | Beam Radiation of Inguinal Lymphatics using Heavy Particle  | 211                | Radiation therapy         |
| 10                    | D7085Z2              | Beam Radiation of Inguinal Lymphatics using Neutrons        | 211                | Radiation therapy         |
| 10                    | D7086Z2              | Beam Radiation of Inguinal Lymphatics using Neutron Captur  | 211                | Radiation therapy         |
| 10                    | D71097Z              | HDR Brachytherapy of Bone Marrow using Cesium 137           | 211                | Radiation therapy         |
| 10                    | D71098Z              | HDR Brachytherapy of Bone Marrow using Iridium 192          | 211                | Radiation therapy         |
| 10                    | D71099Z              | HDR Brachytherapy of Bone Marrow using Iodine 125           | 211                | Radiation therapy         |
| 10                    | D71098Z              | HDR Brachytherapy of Bone Marrow using Palladium 103        | 211                | Radiation therapy         |
| 10                    | D7109CZ              | HDR Brachytherapy of Bone Marrow using Californium 252      | 211                | Radiation therapy         |
| 10                    | D7109YZ              | HDR Brachytherapy of Bone Marrow using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | D71087Z              | LDR Brachytherapy of Bone Marrow using Cesium 137           | 211                | Radiation therapy         |
| 10                    | D71088Z              | LDR Brachytherapy of Bone Marrow using Iridium 192          | 211                | Radiation therapy         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|---|--------------------|----------------------------|
| 10                    | D722DZZ              | Stereotactic Other Photon Radiosurgery of Spleen            | 211                | Radiation therapy          |
| 10                    | D722HZZ              | Stereotactic Particulate Radiosurgery of Spleen             | 211                | Radiation therapy          |
| 10                    | D722JZZ              | Stereotactic Gamma Beam Radiosurgery of Spleen              | 211                | Radiation therapy          |
| 10                    | D723DZZ              | Stereotactic Other Photon Radiosurgery of Neck Lymphatics   | 211                | Radiation therapy          |
| 10                    | D723HZZ              | Stereotactic Particulate Radiosurgery of Neck Lymphatics    | 211                | Radiation therapy          |
| 10                    | D723JZZ              | Stereotactic Gamma Beam Radiosurgery of Neck Lymphatics     | 211                | Radiation therapy          |
| 10                    | D724DZZ              | Stereotactic Other Photon Radiosurgery of Axilla Lymph      | 211                | Radiation therapy          |
| 10                    | D724HZZ              | Stereotactic Particulate Radiosurgery of Axillary Lymphati  | 211                | Radiation therapy          |
| 10                    | D724JZZ              | Stereotactic Gamma Beam Radiosurgery of Axillary Lymphatic  | 211                | Radiation therapy          |
| 10                    | D725DZZ              | Stereotactic Other Photon Radiosurgery of Thorax Lymphatic  | 211                | Radiation therapy          |
| 10                    | D725HZZ              | Stereotactic Particulate Radiosurgery of Thorax Lymphatics  | 211                | Radiation therapy          |
| 10                    | D725JZZ              | Stereotactic Gamma Beam Radiosurgery of Thorax Lymphatics   | 211                | Radiation therapy          |
| 10                    | D726DZZ              | Stereotactic Other Photon Radiosurgery of Abdomen Lymphati  | 211                | Radiation therapy          |
| 10                    | D726HZZ              | Stereotactic Particulate Radiosurgery of Abdomen Lymphatic  | 211                | Radiation therapy          |
| 10                    | D726JZZ              | Stereotactic Gamma Beam Radiosurgery of Abdomen Lymphatics  | 211                | Radiation therapy          |
| 10                    | D727DZZ              | Stereotactic Other Photon Radiosurgery of Pelvis Lymphatic  | 211                | Radiation therapy          |
| 10                    | D727HZZ              | Stereotactic Particulate Radiosurgery of Pelvis Lymphatics  | 211                | Radiation therapy          |
| 10                    | D727JZZ              | Stereotactic Gamma Beam Radiosurgery of Pelvis Lymphatics   | 211                | Radiation therapy          |
| 10                    | D728DZZ              | Stereotactic Other Photon Radiosurgery of Inguinal Lymph    | 211                | Radiation therapy          |
| 10                    | D728HZZ              | Stereotactic Particulate Radiosurgery of Inguinal Lymphati  | 211                | Radiation therapy          |
| 10                    | D728JZZ              | Stereotactic Gamma Beam Radiosurgery of Inguinal Lymphatic  | 211                | Radiation therapy          |
| 10                    | D7Y0RZZ              | Hyperthermia of Bone Marrow                                 | 211                | Radiation therapy          |
| 10                    | D7Y0FZZ              | Plaque Radiation of Bone Marrow                             | 211                | Radiation therapy          |
| 10                    | D7Y1RZZ              | Hyperthermia of Thymus                                      | 211                | Radiation therapy          |
| 10                    | D7Y1FZZ              | Plaque Radiation of Thymus                                  | 211                | Radiation therapy          |
| 10                    | D7Y2RZZ              | Hyperthermia of Spleen                                      | 211                | Radiation therapy          |
| 10                    | D7Y2FZZ              | Plaque Radiation of Spleen                                  | 211                | Radiation therapy          |
| 10                    | D7Y3RZZ              | Hyperthermia of Neck Lymphatics                             | 211                | Radiation therapy          |
| 10                    | D7Y3FZZ              | Plaque Radiation of Neck Lymphatics                         | 211                | Radiation therapy          |
| 10                    | D7Y4RZZ              | Hyperthermia of Axillary Lymphatics                         | 211                | Radiation therapy          |
| 10                    | D7Y4FZZ              | Plaque Radiation of Axillary Lymphatics                     | 211                | Radiation therapy          |
| 10                    | D7Y5RZZ              | Hyperthermia of Thorax Lymphatics                           | 211                | Radiation therapy          |
| 10                    | D7Y5FZZ              | Plaque Radiation of Thorax Lymphatics                       | 211                | Radiation therapy          |
| 10                    | D7Y6RZZ              | Hyperthermia of Abdomen Lymphatics                          | 211                | Radiation therapy          |
| 10                    | D7Y6FZZ              | Plaque Radiation of Abdomen Lymphatics                      | 211                | Radiation therapy          |
| 10                    | D7Y7RZZ              | Hyperthermia of Pelvis Lymphatics                           | 211                | Radiation therapy          |
| 10                    | D7Y7FZZ              | Plaque Radiation of Pelvis Lymphatics                       | 211                | Radiation therapy          |
| 10                    | D7Y8RZZ              | Hyperthermia of Inguinal Lymphatics                         | 211                | Radiation therapy          |
| 10                    | D7Y8FZZ              | Plaque Radiation of Inguinal Lymphatics                     | 211                | Radiation therapy          |
| 10                    | D800DZZ              | Beam Radiation of Eye using Photons <1 MeV                  | 211                | Radiation therapy          |
| 10                    | D800IZZ              | Beam Radiation of Eye using Photons 1 - 10 MeV              | 211                | Radiation therapy          |
| 10                    | D800ZZZ              | Beam Radiation of Eye using Photons >10 MeV                 | 211                | Radiation therapy          |
| 10                    | D8003Z0              | Beam Radiation of Eye using Electrons, Intraoperative       | 211                | Radiation therapy          |
| 10                    | D8003ZZ              | Beam Radiation of Eye using Electrons                       | 211                | Radiation therapy          |
| 10                    | D8004ZZ              | Beam Radiation of Eye using Heavy Particles (Protons,Ions)  | 211                | Radiation therapy          |
| 10                    | D8005ZZ              | Beam Radiation of Eye using Neutrons                        | 211                | Radiation therapy          |
| 10                    | D8006ZZ              | Beam Radiation of Eye using Neutron Capture                 | 211                | Radiation therapy          |
| 10                    | D81097Z              | High Dose Rate (HDR) Brachytherapy of Eye using Cesium 137  | 211                | Radiation therapy          |
| 10                    | D81098Z              | High Dose Rate (HDR) Brachytherapy of Eye using Iridium 19  | 211                | Radiation therapy          |
| 10                    | D81099Z              | High Dose Rate (HDR) Brachytherapy of Eye using Iodine 125  | 211                | Radiation therapy          |
| 10                    | D8109BZ              | HDR Brachytherapy of Eye using Palladium 103                | 211                | Radiation therapy          |
| 10                    | D8109CZ              | HDR Brachytherapy of Eye using Californium 252              | 211                | Radiation therapy          |
| 10                    | D8109YZ              | High Dose Rate (HDR) Brachytherapy of Eye using Oth Isotop  | 211                | Radiation therapy          |
| 10                    | D81087Z              | Low Dose Rate (LDR) Brachytherapy of Eye using Cesium 137   | 211                | Radiation therapy          |
| 10                    | D81088Z              | Low Dose Rate (LDR) Brachytherapy of Eye using Iridium 192  | 211                | Radiation therapy          |
| 10                    | D81089Z              | Low Dose Rate (LDR) Brachytherapy of Eye using Iodine 125   | 211                | Radiation therapy          |
| 10                    | D8108BZ              | Low Dose Rate (LDR) Brachytherapy of Eye using Palladium 1  | 211                | Radiation therapy          |
| 10                    | D8108CZ              | LDR Brachytherapy of Eye using Californium 252              | 211                | Radiation therapy          |
| 10                    | D8108YZ              | Low Dose Rate (LDR) Brachytherapy of Eye using Other Isoto  | 211                | Radiation therapy          |
| 10                    | D820DZZ              | Stereotactic Other Photon Radiosurgery of Eye               | 211                | Radiation therapy          |
| 10                    | D820HZZ              | Stereotactic Particulate Radiosurgery of Eye                | 211                | Radiation therapy          |
| 10                    | D820JZZ              | Stereotactic Gamma Beam Radiosurgery of Eye                 | 211                | Radiation therapy          |
| 10                    | D8Y07ZZ              | Contact Radiation of Eye                                    | 211                | Radiation therapy          |
| 10                    | D8Y08ZZ              | Hyperthermia of Eye   | 211                | Radiation therapy          |
| 10                    | D8Y0FZZ              | Plaque Radiation of Eye                                     | 211                | Radiation therapy          |
| 10                    | D9000ZZ              | Beam Radiation of Ear using Photons <1 MeV                  | 211                | Radiation therapy          |
| 10                    | D9001ZZ              | Beam Radiation of Ear using Photons 1 - 10 MeV              | 211                | Radiation therapy          |
| 10                    | D9002ZZ              | Beam Radiation of Ear using Photons >10 MeV                 | 211                | Radiation therapy          |
| 10                    | D9003Z0              | Beam Radiation of Ear using Electrons, Intraoperative       | 211                | Radiation therapy          |
| 10                    | D9003ZZ              | Beam Radiation of Ear using Electrons                       | 211                | Radiation therapy          |
| 10                    | D9004ZZ              | Beam Radiation of Ear using Heavy Particles (Protons,Ions)  | 211                | Radiation therapy          |
| 10                    | D9005ZZ              | Beam Radiation of Ear using Neutrons                        | 211                | Radiation therapy          |
| 10                    | D9006ZZ              | Beam Radiation of Ear using Neutron Capture                 | 211                | Radiation therapy          |
| 10                    | D9010ZZ              | Beam Radiation of Nose using Photons <1 MeV                 | 211                | Radiation therapy          |
| 10                    | D9011ZZ              | Beam Radiation of Nose using Photons 1 - 10 MeV             | 211                | Radiation therapy          |
| 10                    | D9012ZZ              | Beam Radiation of Nose using Photons >10 MeV                | 211                | Radiation therapy          |
| 10                    | D9013Z0              | Beam Radiation of Nose using Electrons, Intraoperative      | 211                | Radiation therapy          |
| 10                    | D9013ZZ              | Beam Radiation of Nose using Electrons                      | 211                | Radiation therapy          |
| 10                    | D9014ZZ              | Beam Radiation of Nose using Heavy Particles (Protons,Ions) | 211                | Radiation therapy          |
| 10                    | D9015ZZ              | Beam Radiation of Nose using Neutrons                       | 211                | Radiation therapy          |
| 10                    | D9016ZZ              | Beam Radiation of Nose using Neutron Capture                | 211                | Radiation therapy          |
| 10                    | D9030ZZ              | Beam Radiation of Hypopharynx using Photons <1 MeV          | 211                | Radiation therapy          |
| 10                    | D9031ZZ              | Beam Radiation of Hypopharynx using Photons 1 - 10 MeV      | 211                | Radiation therapy          |
| 10                    | D9032ZZ              | Beam Radiation of Hypopharynx using Photons >10 MeV         | 211                | Radiation therapy          |
| 10                    | D9033Z0              | Beam Radiation of Hypopharynx using Electrons, Intraop      | 211                | Radiation therapy          |
| 10                    | D9033ZZ              | Beam Radiation of Hypopharynx using Electrons               | 211                | Radiation therapy          |
| 10                    | D9034ZZ              | Beam Radiation of Hypopharynx using Heavy Particles         | 211                | Radiation therapy          |
| 10                    | D9035ZZ              | Beam Radiation of Hypopharynx using Neutrons                | 211                | Radiation therapy          |
| 10                    | D9036ZZ              | Beam Radiation of Hypopharynx using Neutron Capture         | 211                | Radiation therapy          |
| 10                    | D9040ZZ              | Beam Radiation of Mouth using Photons <1 MeV                | 211                | Radiation therapy          |
| 10                    | D9041ZZ              | Beam Radiation of Mouth using Photons 1 - 10 MeV            | 211                | Radiation therapy          |
| 10                    | D9042ZZ              | Beam Radiation of Mouth using Photons >10 MeV               | 211                | Radiation therapy          |
| 10                    | D9043Z0              | Beam Radiation of Mouth using Electrons, Intraoperative     | 211                | Radiation therapy          |
| 10                    | D9043ZZ              | Beam Radiation of Mouth using Electrons                     | 211                | Radiation therapy          |
| 10                    | D9044ZZ              | Beam Radiation of Mouth using Heavy Particles (Protons,ion  | 211                | Radiation therapy          |
| 10                    | D9045ZZ              | Beam Radiation of Mouth using Neutrons                      | 211                | Radiation therapy          |
| 10                    | D9046ZZ              | Beam Radiation of Mouth using Neutron Capture               | 211                | Radiation therapy          |
| 10                    | D9050ZZ              | Beam Radiation of Tongue using Photons <1 MeV               | 211                | Radiation therapy          |
| 10                    | D9051ZZ              | Beam Radiation of Tongue using Photons 1 - 10 MeV           | 211                | Radiation therapy          |
| 10                    | D9052ZZ              | Beam Radiation of Tongue using Photons >10 MeV              | 211                | Radiation therapy          |
| 10                    | D9053Z0              | Beam Radiation of Tongue using Electrons, Intraoperative    | 211                | Radiation therapy          |
| 10                    | D9053ZZ              | Beam Radiation of Tongue using Electrons                    | 211                | Radiation therapy          |
| 10                    | D9054ZZ              | Beam Radiation of Tongue using Heavy Particles              | 211                | Radiation therapy          |
| 10                    | D9055ZZ              | Beam Radiation of Tongue using Neutrons                     | 211                | Radiation therapy          |
| 10                    | D9056ZZ              | Beam Radiation of Tongue using Neutron Capture              | 211                | Radiation therapy          |
| 10                    | D9060ZZ              | Beam Radiation of Salivary Glands using Photons <1 MeV      | 211                | Radiation therapy          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | D9061ZZ              | Beam Radiation of Salivary Glands using Photons 1 - 10 MeV | 211                | Radiation therapy          |
| 10                    | D9062ZZ              | Beam Radiation of Salivary Glands using Photons >10 MeV    | 211                | Radiation therapy          |
| 10                    | D9063Z0              | Beam Radiation of Salivary Glands using Electrons, Intraop | 211                | Radiation therapy          |
| 10                    | D9063ZZ              | Beam Radiation of Salivary Glands using Electrons          | 211                | Radiation therapy          |
| 10                    | D9064ZZ              | Beam Radiation of Salivary Glands using Heavy Particles    | 211                | Radiation therapy          |
| 10                    | D9065ZZ              | Beam Radiation of Salivary Glands using Neutrons           | 211                | Radiation therapy          |
| 10                    | D9066ZZ              | Beam Radiation of Salivary Glands using Neutron Capture    | 211                | Radiation therapy          |
| 10                    | D9070ZZ              | Beam Radiation of Sinuses using Photons <1 MeV             | 211                | Radiation therapy          |
| 10                    | D9071ZZ              | Beam Radiation of Sinuses using Photons 1 - 10 MeV         | 211                | Radiation therapy          |
| 10                    | D9072ZZ              | Beam Radiation of Sinuses using Photons >10 MeV            | 211                | Radiation therapy          |
| 10                    | D9073Z0              | Beam Radiation of Sinuses using Electrons, Intraoperative  | 211                | Radiation therapy          |
| 10                    | D9073ZZ              | Beam Radiation of Sinuses using Electrons                  | 211                | Radiation therapy          |
| 10                    | D9074ZZ              | Beam Radiation of Sinuses using Heavy Particles            | 211                | Radiation therapy          |
| 10                    | D9075ZZ              | Beam Radiation of Sinuses using Neutrons                   | 211                | Radiation therapy          |
| 10                    | D9076ZZ              | Beam Radiation of Sinuses using Neutron Capture            | 211                | Radiation therapy          |
| 10                    | D9080ZZ              | Beam Radiation of Hard Palate using Photons <1 MeV         | 211                | Radiation therapy          |
| 10                    | D9081ZZ              | Beam Radiation of Hard Palate using Photons 1 - 10 MeV     | 211                | Radiation therapy          |
| 10                    | D9082ZZ              | Beam Radiation of Hard Palate using Photons >10 MeV        | 211                | Radiation therapy          |
| 10                    | D9083Z0              | Beam Radiation of Hard Palate using Electrons, Intraop     | 211                | Radiation therapy          |
| 10                    | D9083ZZ              | Beam Radiation of Hard Palate using Electrons              | 211                | Radiation therapy          |
| 10                    | D9084ZZ              | Beam Radiation of Hard Palate using Heavy Particles        | 211                | Radiation therapy          |
| 10                    | D9085ZZ              | Beam Radiation of Hard Palate using Neutrons               | 211                | Radiation therapy          |
| 10                    | D9086ZZ              | Beam Radiation of Hard Palate using Neutron Capture        | 211                | Radiation therapy          |
| 10                    | D9090ZZ              | Beam Radiation of Soft Palate using Photons <1 MeV         | 211                | Radiation therapy          |
| 10                    | D9091ZZ              | Beam Radiation of Soft Palate using Photons 1 - 10 MeV     | 211                | Radiation therapy          |
| 10                    | D9092ZZ              | Beam Radiation of Soft Palate using Photons >10 MeV        | 211                | Radiation therapy          |
| 10                    | D9093Z0              | Beam Radiation of Soft Palate using Electrons, Intraop     | 211                | Radiation therapy          |
| 10                    | D9093ZZ              | Beam Radiation of Soft Palate using Electrons              | 211                | Radiation therapy          |
| 10                    | D9094ZZ              | Beam Radiation of Soft Palate using Heavy Particles        | 211                | Radiation therapy          |
| 10                    | D9095ZZ              | Beam Radiation of Soft Palate using Neutrons               | 211                | Radiation therapy          |
| 10                    | D9096ZZ              | Beam Radiation of Soft Palate using Neutron Capture        | 211                | Radiation therapy          |
| 10                    | D9080ZZ              | Beam Radiation of Larynx using Photons <1 MeV              | 211                | Radiation therapy          |
| 10                    | D9081ZZ              | Beam Radiation of Larynx using Photons 1 - 10 MeV          | 211                | Radiation therapy          |
| 10                    | D9082ZZ              | Beam Radiation of Larynx using Photons >10 MeV             | 211                | Radiation therapy          |
| 10                    | D9083Z0              | Beam Radiation of Larynx using Electrons, Intraoperative   | 211                | Radiation therapy          |
| 10                    | D9083ZZ              | Beam Radiation of Larynx using Electrons                   | 211                | Radiation therapy          |
| 10                    | D9084ZZ              | Beam Radiation of Larynx using Heavy Particles             | 211                | Radiation therapy          |
| 10                    | D9085ZZ              | Beam Radiation of Larynx using Neutrons                    | 211                | Radiation therapy          |
| 10                    | D9086ZZ              | Beam Radiation of Larynx using Neutron Capture             | 211                | Radiation therapy          |
| 10                    | D90D0ZZ              | Beam Radiation of Nasopharynx using Photons <1 MeV         | 211                | Radiation therapy          |
| 10                    | D90D1ZZ              | Beam Radiation of Nasopharynx using Photons 1 - 10 MeV     | 211                | Radiation therapy          |
| 10                    | D90D2ZZ              | Beam Radiation of Nasopharynx using Photons >10 MeV        | 211                | Radiation therapy          |
| 10                    | D90D3Z0              | Beam Radiation of Nasopharynx using Electrons, Intraop     | 211                | Radiation therapy          |
| 10                    | D90D3ZZ              | Beam Radiation of Nasopharynx using Electrons              | 211                | Radiation therapy          |
| 10                    | D90D4ZZ              | Beam Radiation of Nasopharynx using Heavy Particles        | 211                | Radiation therapy          |
| 10                    | D90D5ZZ              | Beam Radiation of Nasopharynx using Neutrons               | 211                | Radiation therapy          |
| 10                    | D90D6ZZ              | Beam Radiation of Nasopharynx using Neutron Capture        | 211                | Radiation therapy          |
| 10                    | D90F0ZZ              | Beam Radiation of Oropharynx using Photons <1 MeV          | 211                | Radiation therapy          |
| 10                    | D90F1ZZ              | Beam Radiation of Oropharynx using Photons 1 - 10 MeV      | 211                | Radiation therapy          |
| 10                    | D90F2ZZ              | Beam Radiation of Oropharynx using Photons >10 MeV         | 211                | Radiation therapy          |
| 10                    | D90F3Z0              | Beam Radiation of Oropharynx using Electrons, Intraoperati | 211                | Radiation therapy          |
| 10                    | D90F3ZZ              | Beam Radiation of Oropharynx using Electrons               | 211                | Radiation therapy          |
| 10                    | D90F4ZZ              | Beam Radiation of Oropharynx using Heavy Particles         | 211                | Radiation therapy          |
| 10                    | D90F5ZZ              | Beam Radiation of Oropharynx using Neutrons                | 211                | Radiation therapy          |
| 10                    | D90F6ZZ              | Beam Radiation of Oropharynx using Neutron Capture         | 211                | Radiation therapy          |
| 10                    | D91097Z              | High Dose Rate (HDR) Brachytherapy of Ear using Cesium 137 | 211                | Radiation therapy          |
| 10                    | D91098Z              | High Dose Rate (HDR) Brachytherapy of Ear using Iridium 19 | 211                | Radiation therapy          |
| 10                    | D91099Z              | High Dose Rate (HDR) Brachytherapy of Ear using Iodine 125 | 211                | Radiation therapy          |
| 10                    | D91098Z              | HDR Brachytherapy of Ear using Palladium 103               | 211                | Radiation therapy          |
| 10                    | D9109CZ              | HDR Brachytherapy of Ear using Californium 252             | 211                | Radiation therapy          |
| 10                    | D9109YZ              | High Dose Rate (HDR) Brachytherapy of Ear using Oth Isotop | 211                | Radiation therapy          |
| 10                    | D91087Z              | Low Dose Rate (LDR) Brachytherapy of Ear using Cesium 137  | 211                | Radiation therapy          |
| 10                    | D91088Z              | Low Dose Rate (LDR) Brachytherapy of Ear using Iridium 192 | 211                | Radiation therapy          |
| 10                    | D91089Z              | Low Dose Rate (LDR) Brachytherapy of Ear using Iodine 125  | 211                | Radiation therapy          |
| 10                    | D91088Z              | Low Dose Rate (LDR) Brachytherapy of Ear using Palladium 1 | 211                | Radiation therapy          |
| 10                    | D9108CZ              | LDR Brachytherapy of Ear using Californium 252             | 211                | Radiation therapy          |
| 10                    | D9108YZ              | Low Dose Rate (LDR) Brachytherapy of Ear using Other Isoto | 211                | Radiation therapy          |
| 10                    | D91197Z              | High Dose Rate (HDR) Brachytherapy of Nose using Cesium 13 | 211                | Radiation therapy          |
| 10                    | D91198Z              | High Dose Rate (HDR) Brachytherapy of Nose using Iridium 1 | 211                | Radiation therapy          |
| 10                    | D91199Z              | High Dose Rate (HDR) Brachytherapy of Nose using Iodine 12 | 211                | Radiation therapy          |
| 10                    | D91198Z              | HDR Brachytherapy of Nose using Palladium 103              | 211                | Radiation therapy          |
| 10                    | D9119CZ              | HDR Brachytherapy of Nose using Californium 252            | 211                | Radiation therapy          |
| 10                    | D9119YZ              | High Dose Rate (HDR) Brachytherapy of Nose using Oth Isoto | 211                | Radiation therapy          |
| 10                    | D91187Z              | Low Dose Rate (LDR) Brachytherapy of Nose using Cesium 137 | 211                | Radiation therapy          |
| 10                    | D91188Z              | Low Dose Rate (LDR) Brachytherapy of Nose using Iridium 19 | 211                | Radiation therapy          |
| 10                    | D91189Z              | Low Dose Rate (LDR) Brachytherapy of Nose using Iodine 125 | 211                | Radiation therapy          |
| 10                    | D91188Z              | LDR Brachytherapy of Nose using Palladium 103              | 211                | Radiation therapy          |
| 10                    | D9118CZ              | LDR Brachytherapy of Nose using Californium 252            | 211                | Radiation therapy          |
| 10                    | D9118YZ              | Low Dose Rate (LDR) Brachytherapy of Nose using Oth Isotop | 211                | Radiation therapy          |
| 10                    | D91397Z              | HDR Brachytherapy of Hypopharynx using Cesium 137          | 211                | Radiation therapy          |
| 10                    | D91398Z              | HDR Brachytherapy of Hypopharynx using Iridium 192         | 211                | Radiation therapy          |
| 10                    | D91399Z              | HDR Brachytherapy of Hypopharynx using Iodine 125          | 211                | Radiation therapy          |
| 10                    | D91398Z              | HDR Brachytherapy of Hypopharynx using Palladium 103       | 211                | Radiation therapy          |
| 10                    | D9139CZ              | HDR Brachytherapy of Hypopharynx using Californium 252     | 211                | Radiation therapy          |
| 10                    | D9139YZ              | HDR Brachytherapy of Hypopharynx using Oth Isotope         | 211                | Radiation therapy          |
| 10                    | D91387Z              | LDR Brachytherapy of Hypopharynx using Cesium 137          | 211                | Radiation therapy          |
| 10                    | D91388Z              | LDR Brachytherapy of Hypopharynx using Iridium 192         | 211                | Radiation therapy          |
| 10                    | D91389Z              | LDR Brachytherapy of Hypopharynx using Iodine 125          | 211                | Radiation therapy          |
| 10                    | D91388Z              | LDR Brachytherapy of Hypopharynx using Palladium 103       | 211                | Radiation therapy          |
| 10                    | D9138CZ              | LDR Brachytherapy of Hypopharynx using Californium 252     | 211                | Radiation therapy          |
| 10                    | D9138YZ              | LDR Brachytherapy of Hypopharynx using Oth Isotope         | 211                | Radiation therapy          |
| 10                    | D91497Z              | High Dose Rate (HDR) Brachytherapy of Mouth using Cesium 1 | 211                | Radiation therapy          |
| 10                    | D91498Z              | HDR Brachytherapy of Mouth using Iridium 192               | 211                | Radiation therapy          |
| 10                    | D91499Z              | High Dose Rate (HDR) Brachytherapy of Mouth using Iodine 1 | 211                | Radiation therapy          |
| 10                    | D91498Z              | HDR Brachytherapy of Mouth using Palladium 103             | 211                | Radiation therapy          |
| 10                    | D9149CZ              | HDR Brachytherapy of Mouth using Californium 252           | 211                | Radiation therapy          |
| 10                    | D9149YZ              | HDR Brachytherapy of Mouth using Oth Isotope               | 211                | Radiation therapy          |
| 10                    | D91487Z              | Low Dose Rate (LDR) Brachytherapy of Mouth using Cesium 13 | 211                | Radiation therapy          |
| 10                    | D91488Z              | Low Dose Rate (LDR) Brachytherapy of Mouth using Iridium 1 | 211                | Radiation therapy          |
| 10                    | D91489Z              | Low Dose Rate (LDR) Brachytherapy of Mouth using Iodine 12 | 211                | Radiation therapy          |
| 10                    | D91488Z              | LDR Brachytherapy of Mouth using Palladium 103             | 211                | Radiation therapy          |
| 10                    | D9148CZ              | LDR Brachytherapy of Mouth using Californium 252           | 211                | Radiation therapy          |
| 10                    | D9148YZ              | Low Dose Rate (LDR) Brachytherapy of Mouth using Oth Isoto | 211                | Radiation therapy          |
| 10                    | D91597Z              | HDR Brachytherapy of Tongue using Cesium 137               | 211                | Radiation therapy          |
| 10                    | D91598Z              | HDR Brachytherapy of Tongue using Iridium 192              | 211                | Radiation therapy          |
| 10                    | D91599Z              | HDR Brachytherapy of Tongue using Iodine 125               | 211                | Radiation therapy          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | D926HZ               | Stereotactic Particulate Radiosurgery of Salivary Glands   | 211                | Radiation therapy          |
| 10                    | D926JZ               | Stereotactic Gamma Beam Radiosurgery of Salivary Glands    | 211                | Radiation therapy          |
| 10                    | D927DZ               | Stereotactic Other Photon Radiosurgery of Sinuses          | 211                | Radiation therapy          |
| 10                    | D927HZ               | Stereotactic Particulate Radiosurgery of Sinuses           | 211                | Radiation therapy          |
| 10                    | D927JZ               | Stereotactic Gamma Beam Radiosurgery of Sinuses            | 211                | Radiation therapy          |
| 10                    | D928DZ               | Stereotactic Other Photon Radiosurgery of Hard Palate      | 211                | Radiation therapy          |
| 10                    | D928HZ               | Stereotactic Particulate Radiosurgery of Hard Palate       | 211                | Radiation therapy          |
| 10                    | D928JZ               | Stereotactic Gamma Beam Radiosurgery of Hard Palate        | 211                | Radiation therapy          |
| 10                    | D929DZ               | Stereotactic Other Photon Radiosurgery of Soft Palate      | 211                | Radiation therapy          |
| 10                    | D929HZ               | Stereotactic Particulate Radiosurgery of Soft Palate       | 211                | Radiation therapy          |
| 10                    | D929JZ               | Stereotactic Gamma Beam Radiosurgery of Soft Palate        | 211                | Radiation therapy          |
| 10                    | D92BDZ               | Stereotactic Other Photon Radiosurgery of Larynx           | 211                | Radiation therapy          |
| 10                    | D92BHZ               | Stereotactic Particulate Radiosurgery of Larynx            | 211                | Radiation therapy          |
| 10                    | D92BJZ               | Stereotactic Gamma Beam Radiosurgery of Larynx             | 211                | Radiation therapy          |
| 10                    | D92CDZ               | Stereotactic Other Photon Radiosurgery of Pharynx          | 211                | Radiation therapy          |
| 10                    | D92CHZ               | Stereotactic Particulate Radiosurgery of Pharynx           | 211                | Radiation therapy          |
| 10                    | D92CJZ               | Stereotactic Gamma Beam Radiosurgery of Pharynx            | 211                | Radiation therapy          |
| 10                    | D92DDZ               | Stereotactic Other Photon Radiosurgery of Nasopharynx      | 211                | Radiation therapy          |
| 10                    | D92DHZ               | Stereotactic Particulate Radiosurgery of Nasopharynx       | 211                | Radiation therapy          |
| 10                    | D92DJZ               | Stereotactic Gamma Beam Radiosurgery of Nasopharynx        | 211                | Radiation therapy          |
| 10                    | D9Y07Z               | Contact Radiation of Ear                                   | 211                | Radiation therapy          |
| 10                    | D9Y08Z               | Hyperthermia of Ear  | 211                | Radiation therapy          |
| 10                    | D9Y0FZ               | Plaque Radiation of Ear                                    | 211                | Radiation therapy          |
| 10                    | D9Y17Z               | Contact Radiation of Nose                                  | 211                | Radiation therapy          |
| 10                    | D9Y18Z               | Hyperthermia of Nose                                       | 211                | Radiation therapy          |
| 10                    | D9Y1FZ               | Plaque Radiation of Nose                                   | 211                | Radiation therapy          |
| 10                    | D9Y37Z               | Contact Radiation of Hypopharynx                           | 211                | Radiation therapy          |
| 10                    | D9Y38Z               | Hyperthermia of Hypopharynx                                | 211                | Radiation therapy          |
| 10                    | D9Y47Z               | Contact Radiation of Mouth                                 | 211                | Radiation therapy          |
| 10                    | D9Y48Z               | Hyperthermia of Mouth                                      | 211                | Radiation therapy          |
| 10                    | D9Y4CZ               | Intraoperative Radiation Therapy (IORT) of Mouth           | 211                | Radiation therapy          |
| 10                    | D9Y4FZ               | Plaque Radiation of Mouth                                  | 211                | Radiation therapy          |
| 10                    | D9Y57Z               | Contact Radiation of Tongue                                | 211                | Radiation therapy          |
| 10                    | D9Y58Z               | Hyperthermia of Tongue                                     | 211                | Radiation therapy          |
| 10                    | D9Y5FZ               | Plaque Radiation of Tongue                                 | 211                | Radiation therapy          |
| 10                    | D9Y67Z               | Contact Radiation of Salivary Glands                       | 211                | Radiation therapy          |
| 10                    | D9Y68Z               | Hyperthermia of Salivary Glands                            | 211                | Radiation therapy          |
| 10                    | D9Y6FZ               | Plaque Radiation of Salivary Glands                        | 211                | Radiation therapy          |
| 10                    | D9Y77Z               | Contact Radiation of Sinuses                               | 211                | Radiation therapy          |
| 10                    | D9Y78Z               | Hyperthermia of Sinuses                                    | 211                | Radiation therapy          |
| 10                    | D9Y7FZ               | Plaque Radiation of Sinuses                                | 211                | Radiation therapy          |
| 10                    | D9Y87Z               | Contact Radiation of Hard Palate                           | 211                | Radiation therapy          |
| 10                    | D9Y88Z               | Hyperthermia of Hard Palate                                | 211                | Radiation therapy          |
| 10                    | D9Y8FZ               | Plaque Radiation of Hard Palate                            | 211                | Radiation therapy          |
| 10                    | D9Y97Z               | Contact Radiation of Soft Palate                           | 211                | Radiation therapy          |
| 10                    | D9Y98Z               | Hyperthermia of Soft Palate                                | 211                | Radiation therapy          |
| 10                    | D9Y9FZ               | Plaque Radiation of Soft Palate                            | 211                | Radiation therapy          |
| 10                    | D9YB7Z               | Contact Radiation of Larynx                                | 211                | Radiation therapy          |
| 10                    | D9YB8Z               | Hyperthermia of Larynx                                     | 211                | Radiation therapy          |
| 10                    | D9YBCZ               | Intraoperative Radiation Therapy (IORT) of Larynx          | 211                | Radiation therapy          |
| 10                    | D9YBFZ               | Plaque Radiation of Larynx                                 | 211                | Radiation therapy          |
| 10                    | D9YCCZ               | Intraoperative Radiation Therapy (IORT) of Pharynx         | 211                | Radiation therapy          |
| 10                    | D9YCFZ               | Plaque Radiation of Pharynx                                | 211                | Radiation therapy          |
| 10                    | D9YD7Z               | Contact Radiation of Nasopharynx                           | 211                | Radiation therapy          |
| 10                    | D9YD8Z               | Hyperthermia of Nasopharynx                                | 211                | Radiation therapy          |
| 10                    | D9YDCZ               | Intraoperative Radiation Therapy (IORT) of Nasopharynx     | 211                | Radiation therapy          |
| 10                    | D9YDFZ               | Plaque Radiation of Nasopharynx                            | 211                | Radiation therapy          |
| 10                    | D9YF7Z               | Contact Radiation of Oropharynx                            | 211                | Radiation therapy          |
| 10                    | D9YF8Z               | Hyperthermia of Oropharynx                                 | 211                | Radiation therapy          |
| 10                    | DB000Z               | Beam Radiation of Trachea using Photons <1 MeV             | 211                | Radiation therapy          |
| 10                    | DB001Z               | Beam Radiation of Trachea using Photons 1 - 10 MeV         | 211                | Radiation therapy          |
| 10                    | DB002Z               | Beam Radiation of Trachea using Photons >10 MeV            | 211                | Radiation therapy          |
| 10                    | DB003Z               | Beam Radiation of Trachea using Electrons, Intraoperative  | 211                | Radiation therapy          |
| 10                    | DB003Z               | Beam Radiation of Trachea using Electrons                  | 211                | Radiation therapy          |
| 10                    | DB004Z               | Beam Radiation of Trachea using Heavy Particles            | 211                | Radiation therapy          |
| 10                    | DB005Z               | Beam Radiation of Trachea using Neutrons                   | 211                | Radiation therapy          |
| 10                    | DB006Z               | Beam Radiation of Trachea using Neutron Capture            | 211                | Radiation therapy          |
| 10                    | DB010Z               | Beam Radiation of Bronchus using Photons <1 MeV            | 211                | Radiation therapy          |
| 10                    | DB011Z               | Beam Radiation of Bronchus using Photons 1 - 10 MeV        | 211                | Radiation therapy          |
| 10                    | DB012Z               | Beam Radiation of Bronchus using Photons >10 MeV           | 211                | Radiation therapy          |
| 10                    | DB013Z               | Beam Radiation of Bronchus using Electrons, Intraoperative | 211                | Radiation therapy          |
| 10                    | DB013Z               | Beam Radiation of Bronchus using Electrons                 | 211                | Radiation therapy          |
| 10                    | DB014Z               | Beam Radiation of Bronchus using Heavy Particles           | 211                | Radiation therapy          |
| 10                    | DB015Z               | Beam Radiation of Bronchus using Neutrons                  | 211                | Radiation therapy          |
| 10                    | DB016Z               | Beam Radiation of Bronchus using Neutron Capture           | 211                | Radiation therapy          |
| 10                    | DB020Z               | Beam Radiation of Lung using Photons <1 MeV                | 211                | Radiation therapy          |
| 10                    | DB021Z               | Beam Radiation of Lung using Photons 1 - 10 MeV            | 211                | Radiation therapy          |
| 10                    | DB022Z               | Beam Radiation of Lung using Photons >10 MeV               | 211                | Radiation therapy          |
| 10                    | DB023Z               | Beam Radiation of Lung using Electrons, Intraoperative     | 211                | Radiation therapy          |
| 10                    | DB023Z               | Beam Radiation of Lung using Electrons                     | 211                | Radiation therapy          |
| 10                    | DB024Z               | Beam Radiation of Lung using Heavy Particles (Protons,Ions | 211                | Radiation therapy          |
| 10                    | DB025Z               | Beam Radiation of Lung using Neutrons                      | 211                | Radiation therapy          |
| 10                    | DB026Z               | Beam Radiation of Lung using Neutron Capture               | 211                | Radiation therapy          |
| 10                    | DB050Z               | Beam Radiation of Pleura using Photons <1 MeV              | 211                | Radiation therapy          |
| 10                    | DB051Z               | Beam Radiation of Pleura using Photons 1 - 10 MeV          | 211                | Radiation therapy          |
| 10                    | DB052Z               | Beam Radiation of Pleura using Photons >10 MeV             | 211                | Radiation therapy          |
| 10                    | DB053Z               | Beam Radiation of Pleura using Electrons, Intraoperative   | 211                | Radiation therapy          |
| 10                    | DB053Z               | Beam Radiation of Pleura using Electrons                   | 211                | Radiation therapy          |
| 10                    | DB054Z               | Beam Radiation of Pleura using Heavy Particles             | 211                | Radiation therapy          |
| 10                    | DB055Z               | Beam Radiation of Pleura using Neutrons                    | 211                | Radiation therapy          |
| 10                    | DB056Z               | Beam Radiation of Pleura using Neutron Capture             | 211                | Radiation therapy          |
| 10                    | DB060Z               | Beam Radiation of Mediastinum using Photons <1 MeV         | 211                | Radiation therapy          |
| 10                    | DB061Z               | Beam Radiation of Mediastinum using Photons 1 - 10 MeV     | 211                | Radiation therapy          |
| 10                    | DB062Z               | Beam Radiation of Mediastinum using Photons >10 MeV        | 211                | Radiation therapy          |
| 10                    | DB063Z               | Beam Radiation of Mediastinum using Electrons, Intraop     | 211                | Radiation therapy          |
| 10                    | DB063Z               | Beam Radiation of Mediastinum using Electrons              | 211                | Radiation therapy          |
| 10                    | DB064Z               | Beam Radiation of Mediastinum using Heavy Particles        | 211                | Radiation therapy          |
| 10                    | DB065Z               | Beam Radiation of Mediastinum using Neutrons               | 211                | Radiation therapy          |
| 10                    | DB066Z               | Beam Radiation of Mediastinum using Neutron Capture        | 211                | Radiation therapy          |
| 10                    | DB070Z               | Beam Radiation of Chest Wall using Photons <1 MeV          | 211                | Radiation therapy          |
| 10                    | DB071Z               | Beam Radiation of Chest Wall using Photons 1 - 10 MeV      | 211                | Radiation therapy          |
| 10                    | DB072Z               | Beam Radiation of Chest Wall using Photons >10 MeV         | 211                | Radiation therapy          |
| 10                    | DB073Z               | Beam Radiation of Chest Wall using Electrons, Intraoperati | 211                | Radiation therapy          |
| 10                    | DB073Z               | Beam Radiation of Chest Wall using Electrons               | 211                | Radiation therapy          |
| 10                    | DB074Z               | Beam Radiation of Chest Wall using Heavy Particles         | 211                | Radiation therapy          |
| 10                    | DB075Z               | Beam Radiation of Chest Wall using Neutrons                | 211                | Radiation therapy          |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DB076ZZ              | Beam Radiation of Chest Wall using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DB080ZZ              | Beam Radiation of Diaphragm using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DB081ZZ              | Beam Radiation of Diaphragm using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DB082ZZ              | Beam Radiation of Diaphragm using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DB083Z0              | Beam Radiation of Diaphragm using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DB083ZZ              | Beam Radiation of Diaphragm using Electrons                  | 211                | Radiation therapy         |
| 10                    | DB084ZZ              | Beam Radiation of Diaphragm using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DB085ZZ              | Beam Radiation of Diaphragm using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DB086ZZ              | Beam Radiation of Diaphragm using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DB1097Z              | HDR Brachytherapy of Trachea using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DB1098Z              | HDR Brachytherapy of Trachea using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DB1099Z              | HDR Brachytherapy of Trachea using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DB1098Z              | HDR Brachytherapy of Trachea using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DB109CZ              | HDR Brachytherapy of Trachea using Californium 252           | 211                | Radiation therapy         |
| 10                    | DB109YZ              | HDR Brachytherapy of Trachea using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DB10B7Z              | LDR Brachytherapy of Trachea using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DB10B8Z              | LDR Brachytherapy of Trachea using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DB10B9Z              | LDR Brachytherapy of Trachea using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DB10BBZ              | LDR Brachytherapy of Trachea using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DB10BCZ              | LDR Brachytherapy of Trachea using Californium 252           | 211                | Radiation therapy         |
| 10                    | DB10BYZ              | LDR Brachytherapy of Trachea using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DB1197Z              | HDR Brachytherapy of Bronchus using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DB1198Z              | HDR Brachytherapy of Bronchus using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DB1199Z              | HDR Brachytherapy of Bronchus using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DB1198Z              | HDR Brachytherapy of Bronchus using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DB119CZ              | HDR Brachytherapy of Bronchus using Californium 252          | 211                | Radiation therapy         |
| 10                    | DB119YZ              | HDR Brachytherapy of Bronchus using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DB11B7Z              | LDR Brachytherapy of Bronchus using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DB11B8Z              | LDR Brachytherapy of Bronchus using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DB11B9Z              | LDR Brachytherapy of Bronchus using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DB11BBZ              | LDR Brachytherapy of Bronchus using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DB11BCZ              | LDR Brachytherapy of Bronchus using Californium 252          | 211                | Radiation therapy         |
| 10                    | DB11BYZ              | LDR Brachytherapy of Bronchus using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DB1297Z              | High Dose Rate (HDR) Brachytherapy of Lung using Cesium 137  | 211                | Radiation therapy         |
| 10                    | DB1298Z              | High Dose Rate (HDR) Brachytherapy of Lung using Iridium 192 | 211                | Radiation therapy         |
| 10                    | DB1299Z              | High Dose Rate (HDR) Brachytherapy of Lung using Iodine 125  | 211                | Radiation therapy         |
| 10                    | DB1298Z              | HDR Brachytherapy of Lung using Palladium 103                | 211                | Radiation therapy         |
| 10                    | DB129CZ              | HDR Brachytherapy of Lung using Californium 252              | 211                | Radiation therapy         |
| 10                    | DB129YZ              | High Dose Rate (HDR) Brachytherapy of Lung using Oth Isotope | 211                | Radiation therapy         |
| 10                    | DB12B7Z              | Low Dose Rate (LDR) Brachytherapy of Lung using Cesium 137   | 211                | Radiation therapy         |
| 10                    | DB12B8Z              | Low Dose Rate (LDR) Brachytherapy of Lung using Iridium 192  | 211                | Radiation therapy         |
| 10                    | DB12B9Z              | Low Dose Rate (LDR) Brachytherapy of Lung using Iodine 125   | 211                | Radiation therapy         |
| 10                    | DB12BBZ              | LDR Brachytherapy of Lung using Palladium 103                | 211                | Radiation therapy         |
| 10                    | DB12BCZ              | LDR Brachytherapy of Lung using Californium 252              | 211                | Radiation therapy         |
| 10                    | DB12BYZ              | Low Dose Rate (LDR) Brachytherapy of Lung using Oth Isotope  | 211                | Radiation therapy         |
| 10                    | DB1597Z              | HDR Brachytherapy of Pleura using Cesium 137                 | 211                | Radiation therapy         |
| 10                    | DB1598Z              | HDR Brachytherapy of Pleura using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DB1599Z              | HDR Brachytherapy of Pleura using Iodine 125                 | 211                | Radiation therapy         |
| 10                    | DB1598Z              | HDR Brachytherapy of Pleura using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DB159CZ              | HDR Brachytherapy of Pleura using Californium 252            | 211                | Radiation therapy         |
| 10                    | DB159YZ              | HDR Brachytherapy of Pleura using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DB15B7Z              | Low Dose Rate (LDR) Brachytherapy of Pleura using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DB15B8Z              | LDR Brachytherapy of Pleura using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DB15B9Z              | Low Dose Rate (LDR) Brachytherapy of Pleura using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DB15BBZ              | LDR Brachytherapy of Pleura using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DB15BCZ              | LDR Brachytherapy of Pleura using Californium 252            | 211                | Radiation therapy         |
| 10                    | DB15BYZ              | LDR Brachytherapy of Pleura using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DB1697Z              | HDR Brachytherapy of Mediastinum using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DB1698Z              | HDR Brachytherapy of Mediastinum using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DB1699Z              | HDR Brachytherapy of Mediastinum using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DB1698Z              | HDR Brachytherapy of Mediastinum using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DB169CZ              | HDR Brachytherapy of Mediastinum using Californium 252       | 211                | Radiation therapy         |
| 10                    | DB169YZ              | HDR Brachytherapy of Mediastinum using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DB16B7Z              | LDR Brachytherapy of Mediastinum using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DB16B8Z              | LDR Brachytherapy of Mediastinum using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DB16B9Z              | LDR Brachytherapy of Mediastinum using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DB16BBZ              | LDR Brachytherapy of Mediastinum using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DB16BCZ              | LDR Brachytherapy of Mediastinum using Californium 252       | 211                | Radiation therapy         |
| 10                    | DB16BYZ              | LDR Brachytherapy of Mediastinum using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DB1797Z              | HDR Brachytherapy of Chest Wall using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DB1798Z              | HDR Brachytherapy of Chest Wall using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DB1799Z              | HDR Brachytherapy of Chest Wall using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DB1798Z              | HDR Brachytherapy of Chest Wall using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DB179CZ              | HDR Brachytherapy of Chest Wall using Californium 252        | 211                | Radiation therapy         |
| 10                    | DB179YZ              | HDR Brachytherapy of Chest Wall using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DB17B7Z              | LDR Brachytherapy of Chest Wall using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DB17B8Z              | LDR Brachytherapy of Chest Wall using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DB17B9Z              | LDR Brachytherapy of Chest Wall using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DB17BBZ              | LDR Brachytherapy of Chest Wall using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DB17BCZ              | LDR Brachytherapy of Chest Wall using Californium 252        | 211                | Radiation therapy         |
| 10                    | DB17BYZ              | LDR Brachytherapy of Chest Wall using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DB1897Z              | HDR Brachytherapy of Diaphragm using Cesium 137              | 211                | Radiation therapy         |
| 10                    | DB1898Z              | HDR Brachytherapy of Diaphragm using Iridium 192             | 211                | Radiation therapy         |
| 10                    | DB1899Z              | HDR Brachytherapy of Diaphragm using Iodine 125              | 211                | Radiation therapy         |
| 10                    | DB1898Z              | HDR Brachytherapy of Diaphragm using Palladium 103           | 211                | Radiation therapy         |
| 10                    | DB189CZ              | HDR Brachytherapy of Diaphragm using Californium 252         | 211                | Radiation therapy         |
| 10                    | DB189YZ              | HDR Brachytherapy of Diaphragm using Oth Isotope             | 211                | Radiation therapy         |
| 10                    | DB18B7Z              | LDR Brachytherapy of Diaphragm using Cesium 137              | 211                | Radiation therapy         |
| 10                    | DB18B8Z              | LDR Brachytherapy of Diaphragm using Iridium 192             | 211                | Radiation therapy         |
| 10                    | DB18B9Z              | LDR Brachytherapy of Diaphragm using Iodine 125              | 211                | Radiation therapy         |
| 10                    | DB18BBZ              | LDR Brachytherapy of Diaphragm using Palladium 103           | 211                | Radiation therapy         |
| 10                    | DB18BCZ              | LDR Brachytherapy of Diaphragm using Californium 252         | 211                | Radiation therapy         |
| 10                    | DB18BYZ              | LDR Brachytherapy of Diaphragm using Oth Isotope             | 211                | Radiation therapy         |
| 10                    | DB20DZZ              | Stereotactic Other Photon Radiosurgery of Trachea            | 211                | Radiation therapy         |
| 10                    | DB20HZZ              | Stereotactic Particulate Radiosurgery of Trachea             | 211                | Radiation therapy         |
| 10                    | DB20JZZ              | Stereotactic Gamma Beam Radiosurgery of Trachea              | 211                | Radiation therapy         |
| 10                    | DB21DZZ              | Stereotactic Other Photon Radiosurgery of Bronchus           | 211                | Radiation therapy         |
| 10                    | DB21HZZ              | Stereotactic Particulate Radiosurgery of Bronchus            | 211                | Radiation therapy         |
| 10                    | DB21JZZ              | Stereotactic Gamma Beam Radiosurgery of Bronchus             | 211                | Radiation therapy         |
| 10                    | DB22DZZ              | Stereotactic Other Photon Radiosurgery of Lung               | 211                | Radiation therapy         |
| 10                    | DB22HZZ              | Stereotactic Particulate Radiosurgery of Lung                | 211                | Radiation therapy         |
| 10                    | DB22JZZ              | Stereotactic Gamma Beam Radiosurgery of Lung                 | 211                | Radiation therapy         |
| 10                    | DB25DZZ              | Stereotactic Other Photon Radiosurgery of Pleura             | 211                | Radiation therapy         |
| 10                    | DB25HZZ              | Stereotactic Particulate Radiosurgery of Pleura              | 211                | Radiation therapy         |
| 10                    | DB25JZZ              | Stereotactic Gamma Beam Radiosurgery of Pleura               | 211                | Radiation therapy         |
| 10                    | DB26DZZ              | Stereotactic Other Photon Radiosurgery of Mediastinum        | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | DB26HZZ              | Stereotactic Particulate Radiosurgery of Mediastinum        | 211                | Radiation therapy         |
| 10                    | DB26JZZ              | Stereotactic Gamma Beam Radiosurgery of Mediastinum         | 211                | Radiation therapy         |
| 10                    | DB27DZZ              | Stereotactic Other Photon Radiosurgery of Chest Wall        | 211                | Radiation therapy         |
| 10                    | DB27HZZ              | Stereotactic Particulate Radiosurgery of Chest Wall         | 211                | Radiation therapy         |
| 10                    | DB27JZZ              | Stereotactic Gamma Beam Radiosurgery of Chest Wall          | 211                | Radiation therapy         |
| 10                    | DB28DZZ              | Stereotactic Other Photon Radiosurgery of Diaphragm         | 211                | Radiation therapy         |
| 10                    | DB28HZZ              | Stereotactic Particulate Radiosurgery of Diaphragm          | 211                | Radiation therapy         |
| 10                    | DB28JZZ              | Stereotactic Gamma Beam Radiosurgery of Diaphragm           | 211                | Radiation therapy         |
| 10                    | DBY07ZZ              | Contact Radiation of Trachea                                | 211                | Radiation therapy         |
| 10                    | DBY08ZZ              | Hyperthermia of Trachea                                     | 211                | Radiation therapy         |
| 10                    | DBY0FZZ              | Plaque Radiation of Trachea                                 | 211                | Radiation therapy         |
| 10                    | DBY0KZZ              | Laser Interstitial Thermal Therapy of Trachea               | 211                | Radiation therapy         |
| 10                    | DBY17ZZ              | Contact Radiation of Bronchus                               | 211                | Radiation therapy         |
| 10                    | DBY18ZZ              | Hyperthermia of Bronchus                                    | 211                | Radiation therapy         |
| 10                    | DBY1FZZ              | Plaque Radiation of Bronchus                                | 211                | Radiation therapy         |
| 10                    | DBY1KZZ              | Laser Interstitial Thermal Therapy of Bronchus              | 211                | Radiation therapy         |
| 10                    | DBY27ZZ              | Contact Radiation of Lung                                   | 211                | Radiation therapy         |
| 10                    | DBY28ZZ              | Hyperthermia of Lung  | 211                | Radiation therapy         |
| 10                    | DBY2FZZ              | Plaque Radiation of Lung                                    | 211                | Radiation therapy         |
| 10                    | DBY2KZZ              | Laser Interstitial Thermal Therapy of Lung                  | 211                | Radiation therapy         |
| 10                    | DBY57ZZ              | Contact Radiation of Pleura                                 | 211                | Radiation therapy         |
| 10                    | DBY58ZZ              | Hyperthermia of Pleura                                      | 211                | Radiation therapy         |
| 10                    | DBY5FZZ              | Plaque Radiation of Pleura                                  | 211                | Radiation therapy         |
| 10                    | DBY5KZZ              | Laser Interstitial Thermal Therapy of Pleura                | 211                | Radiation therapy         |
| 10                    | DBY67ZZ              | Contact Radiation of Mediastinum                            | 211                | Radiation therapy         |
| 10                    | DBY68ZZ              | Hyperthermia of Mediastinum                                 | 211                | Radiation therapy         |
| 10                    | DBY6FZZ              | Plaque Radiation of Mediastinum                             | 211                | Radiation therapy         |
| 10                    | DBY6KZZ              | Laser Interstitial Thermal Therapy of Mediastinum           | 211                | Radiation therapy         |
| 10                    | DBY77ZZ              | Contact Radiation of Chest Wall                             | 211                | Radiation therapy         |
| 10                    | DBY78ZZ              | Hyperthermia of Chest Wall                                  | 211                | Radiation therapy         |
| 10                    | DBY7FZZ              | Plaque Radiation of Chest Wall                              | 211                | Radiation therapy         |
| 10                    | DBY7KZZ              | Laser Interstitial Thermal Therapy of Chest Wall            | 211                | Radiation therapy         |
| 10                    | DBY87ZZ              | Contact Radiation of Diaphragm                              | 211                | Radiation therapy         |
| 10                    | DBY88ZZ              | Hyperthermia of Diaphragm                                   | 211                | Radiation therapy         |
| 10                    | DBY8FZZ              | Plaque Radiation of Diaphragm                               | 211                | Radiation therapy         |
| 10                    | DBY8KZZ              | Laser Interstitial Thermal Therapy of Diaphragm             | 211                | Radiation therapy         |
| 10                    | DD000ZZ              | Beam Radiation of Esophagus using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DD001ZZ              | Beam Radiation of Esophagus using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DD002ZZ              | Beam Radiation of Esophagus using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DD003ZZ              | Beam Radiation of Esophagus using Electrons, Intraoperative | 211                | Radiation therapy         |
| 10                    | DD003ZZ              | Beam Radiation of Esophagus using Electrons                 | 211                | Radiation therapy         |
| 10                    | DD004ZZ              | Beam Radiation of Esophagus using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DD005ZZ              | Beam Radiation of Esophagus using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DD006ZZ              | Beam Radiation of Esophagus using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DD010ZZ              | Beam Radiation of Stomach using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DD011ZZ              | Beam Radiation of Stomach using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DD012ZZ              | Beam Radiation of Stomach using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DD013ZZ              | Beam Radiation of Stomach using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DD013ZZ              | Beam Radiation of Stomach using Electrons                   | 211                | Radiation therapy         |
| 10                    | DD014ZZ              | Beam Radiation of Stomach using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DD015ZZ              | Beam Radiation of Stomach using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DD016ZZ              | Beam Radiation of Stomach using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DD020ZZ              | Beam Radiation of Duodenum using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DD021ZZ              | Beam Radiation of Duodenum using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DD022ZZ              | Beam Radiation of Duodenum using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DD023ZZ              | Beam Radiation of Duodenum using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DD023ZZ              | Beam Radiation of Duodenum using Electrons                  | 211                | Radiation therapy         |
| 10                    | DD024ZZ              | Beam Radiation of Duodenum using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DD025ZZ              | Beam Radiation of Duodenum using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DD026ZZ              | Beam Radiation of Duodenum using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DD030ZZ              | Beam Radiation of Jejunum using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DD031ZZ              | Beam Radiation of Jejunum using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DD032ZZ              | Beam Radiation of Jejunum using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DD033ZZ              | Beam Radiation of Jejunum using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DD033ZZ              | Beam Radiation of Jejunum using Electrons                   | 211                | Radiation therapy         |
| 10                    | DD034ZZ              | Beam Radiation of Jejunum using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DD035ZZ              | Beam Radiation of Jejunum using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DD036ZZ              | Beam Radiation of Jejunum using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DD040ZZ              | Beam Radiation of Ileum using Photons <1 MeV                | 211                | Radiation therapy         |
| 10                    | DD041ZZ              | Beam Radiation of Ileum using Photons 1 - 10 MeV            | 211                | Radiation therapy         |
| 10                    | DD042ZZ              | Beam Radiation of Ileum using Photons >10 MeV               | 211                | Radiation therapy         |
| 10                    | DD043ZZ              | Beam Radiation of Ileum using Electrons, Intraoperative     | 211                | Radiation therapy         |
| 10                    | DD043ZZ              | Beam Radiation of Ileum using Electrons                     | 211                | Radiation therapy         |
| 10                    | DD044ZZ              | Beam Radiation of Ileum using Heavy Particles (Protons,Ion  | 211                | Radiation therapy         |
| 10                    | DD045ZZ              | Beam Radiation of Ileum using Neutrons                      | 211                | Radiation therapy         |
| 10                    | DD046ZZ              | Beam Radiation of Ileum using Neutron Capture               | 211                | Radiation therapy         |
| 10                    | DD050ZZ              | Beam Radiation of Colon using Photons <1 MeV                | 211                | Radiation therapy         |
| 10                    | DD051ZZ              | Beam Radiation of Colon using Photons 1 - 10 MeV            | 211                | Radiation therapy         |
| 10                    | DD052ZZ              | Beam Radiation of Colon using Photons >10 MeV               | 211                | Radiation therapy         |
| 10                    | DD053ZZ              | Beam Radiation of Colon using Electrons, Intraoperative     | 211                | Radiation therapy         |
| 10                    | DD053ZZ              | Beam Radiation of Colon using Electrons                     | 211                | Radiation therapy         |
| 10                    | DD054ZZ              | Beam Radiation of Colon using Heavy Particles (Protons,Ion  | 211                | Radiation therapy         |
| 10                    | DD055ZZ              | Beam Radiation of Colon using Neutrons                      | 211                | Radiation therapy         |
| 10                    | DD056ZZ              | Beam Radiation of Colon using Neutron Capture               | 211                | Radiation therapy         |
| 10                    | DD070ZZ              | Beam Radiation of Rectum using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DD071ZZ              | Beam Radiation of Rectum using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DD072ZZ              | Beam Radiation of Rectum using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DD073ZZ              | Beam Radiation of Rectum using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DD073ZZ              | Beam Radiation of Rectum using Electrons                    | 211                | Radiation therapy         |
| 10                    | DD074ZZ              | Beam Radiation of Rectum using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | DD075ZZ              | Beam Radiation of Rectum using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DD076ZZ              | Beam Radiation of Rectum using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DD1097Z              | HDR Brachytherapy of Esophagus using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DD1098Z              | HDR Brachytherapy of Esophagus using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DD1099Z              | HDR Brachytherapy of Esophagus using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DD1098Z              | HDR Brachytherapy of Esophagus using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DD109CZ              | HDR Brachytherapy of Esophagus using Californium 252        | 211                | Radiation therapy         |
| 10                    | DD109YZ              | HDR Brachytherapy of Esophagus using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DD1087Z              | LDR Brachytherapy of Esophagus using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DD1088Z              | LDR Brachytherapy of Esophagus using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DD1089Z              | LDR Brachytherapy of Esophagus using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DD1088Z              | LDR Brachytherapy of Esophagus using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DD108CZ              | LDR Brachytherapy of Esophagus using Californium 252        | 211                | Radiation therapy         |
| 10                    | DD108YZ              | LDR Brachytherapy of Esophagus using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DD1197Z              | HDR Brachytherapy of Stomach using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DD1198Z              | HDR Brachytherapy of Stomach using Iridium 192              | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DD1199Z              | HDR Brachytherapy of Stomach using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DD1198Z              | HDR Brachytherapy of Stomach using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DD119CZ              | HDR Brachytherapy of Stomach using Californium 252           | 211                | Radiation therapy         |
| 10                    | DD119YZ              | HDR Brachytherapy of Stomach using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DD1187Z              | LDR Brachytherapy of Stomach using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DD1188Z              | LDR Brachytherapy of Stomach using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DD1189Z              | LDR Brachytherapy of Stomach using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DD118BZ              | LDR Brachytherapy of Stomach using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DD118CZ              | LDR Brachytherapy of Stomach using Californium 252           | 211                | Radiation therapy         |
| 10                    | DD118YZ              | LDR Brachytherapy of Stomach using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DD1297Z              | HDR Brachytherapy of Duodenum using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DD1298Z              | HDR Brachytherapy of Duodenum using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DD1299Z              | HDR Brachytherapy of Duodenum using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DD1298Z              | HDR Brachytherapy of Duodenum using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DD129CZ              | HDR Brachytherapy of Duodenum using Californium 252          | 211                | Radiation therapy         |
| 10                    | DD129YZ              | HDR Brachytherapy of Duodenum using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DD1287Z              | LDR Brachytherapy of Duodenum using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DD1288Z              | LDR Brachytherapy of Duodenum using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DD1289Z              | LDR Brachytherapy of Duodenum using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DD128BZ              | LDR Brachytherapy of Duodenum using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DD128CZ              | LDR Brachytherapy of Duodenum using Californium 252          | 211                | Radiation therapy         |
| 10                    | DD128YZ              | LDR Brachytherapy of Duodenum using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DD1397Z              | HDR Brachytherapy of Jejunum using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DD1398Z              | HDR Brachytherapy of Jejunum using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DD1399Z              | HDR Brachytherapy of Jejunum using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DD1398Z              | HDR Brachytherapy of Jejunum using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DD139CZ              | HDR Brachytherapy of Jejunum using Californium 252           | 211                | Radiation therapy         |
| 10                    | DD139YZ              | HDR Brachytherapy of Jejunum using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DD1387Z              | LDR Brachytherapy of Jejunum using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DD1388Z              | LDR Brachytherapy of Jejunum using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DD1389Z              | LDR Brachytherapy of Jejunum using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DD138BZ              | LDR Brachytherapy of Jejunum using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DD138CZ              | LDR Brachytherapy of Jejunum using Californium 252           | 211                | Radiation therapy         |
| 10                    | DD138YZ              | LDR Brachytherapy of Jejunum using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DD1497Z              | High Dose Rate (HDR) Brachytherapy of Ileum using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DD1498Z              | HDR Brachytherapy of Ileum using Iridium 192                 | 211                | Radiation therapy         |
| 10                    | DD1499Z              | High Dose Rate (HDR) Brachytherapy of Ileum using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DD1498Z              | HDR Brachytherapy of Ileum using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DD149CZ              | HDR Brachytherapy of Ileum using Californium 252             | 211                | Radiation therapy         |
| 10                    | DD149YZ              | HDR Brachytherapy of Ileum using Oth Isotope                 | 211                | Radiation therapy         |
| 10                    | DD1487Z              | Low Dose Rate (LDR) Brachytherapy of Ileum using Cesium 137  | 211                | Radiation therapy         |
| 10                    | DD1488Z              | Low Dose Rate (LDR) Brachytherapy of Ileum using Iridium 192 | 211                | Radiation therapy         |
| 10                    | DD1489Z              | Low Dose Rate (LDR) Brachytherapy of Ileum using Iodine 125  | 211                | Radiation therapy         |
| 10                    | DD148BZ              | LDR Brachytherapy of Ileum using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DD148CZ              | LDR Brachytherapy of Ileum using Californium 252             | 211                | Radiation therapy         |
| 10                    | DD148YZ              | Low Dose Rate (LDR) Brachytherapy of Ileum using Oth Isotope | 211                | Radiation therapy         |
| 10                    | DD1597Z              | High Dose Rate (HDR) Brachytherapy of Colon using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DD1598Z              | HDR Brachytherapy of Colon using Iridium 192                 | 211                | Radiation therapy         |
| 10                    | DD1599Z              | High Dose Rate (HDR) Brachytherapy of Colon using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DD1598Z              | HDR Brachytherapy of Colon using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DD159CZ              | HDR Brachytherapy of Colon using Californium 252             | 211                | Radiation therapy         |
| 10                    | DD159YZ              | HDR Brachytherapy of Colon using Oth Isotope                 | 211                | Radiation therapy         |
| 10                    | DD1587Z              | Low Dose Rate (LDR) Brachytherapy of Colon using Cesium 137  | 211                | Radiation therapy         |
| 10                    | DD1588Z              | Low Dose Rate (LDR) Brachytherapy of Colon using Iridium 192 | 211                | Radiation therapy         |
| 10                    | DD1589Z              | Low Dose Rate (LDR) Brachytherapy of Colon using Iodine 125  | 211                | Radiation therapy         |
| 10                    | DD158BZ              | LDR Brachytherapy of Colon using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DD158CZ              | LDR Brachytherapy of Colon using Californium 252             | 211                | Radiation therapy         |
| 10                    | DD158YZ              | Low Dose Rate (LDR) Brachytherapy of Colon using Oth Isotope | 211                | Radiation therapy         |
| 10                    | DD1797Z              | HDR Brachytherapy of Rectum using Cesium 137                 | 211                | Radiation therapy         |
| 10                    | DD1798Z              | HDR Brachytherapy of Rectum using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DD1799Z              | HDR Brachytherapy of Rectum using Iodine 125                 | 211                | Radiation therapy         |
| 10                    | DD1798Z              | HDR Brachytherapy of Rectum using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DD179CZ              | HDR Brachytherapy of Rectum using Californium 252            | 211                | Radiation therapy         |
| 10                    | DD179YZ              | HDR Brachytherapy of Rectum using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DD1787Z              | Low Dose Rate (LDR) Brachytherapy of Rectum using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DD1788Z              | LDR Brachytherapy of Rectum using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DD1789Z              | Low Dose Rate (LDR) Brachytherapy of Rectum using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DD178BZ              | LDR Brachytherapy of Rectum using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DD178CZ              | LDR Brachytherapy of Rectum using Californium 252            | 211                | Radiation therapy         |
| 10                    | DD178YZ              | LDR Brachytherapy of Rectum using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DD20DZZ              | Stereotactic Other Photon Radiosurgery of Esophagus          | 211                | Radiation therapy         |
| 10                    | DD20HZZ              | Stereotactic Particulate Radiosurgery of Esophagus           | 211                | Radiation therapy         |
| 10                    | DD20JZZ              | Stereotactic Gamma Beam Radiosurgery of Esophagus            | 211                | Radiation therapy         |
| 10                    | DD21DZZ              | Stereotactic Other Photon Radiosurgery of Stomach            | 211                | Radiation therapy         |
| 10                    | DD21HZZ              | Stereotactic Particulate Radiosurgery of Stomach             | 211                | Radiation therapy         |
| 10                    | DD21JZZ              | Stereotactic Gamma Beam Radiosurgery of Stomach              | 211                | Radiation therapy         |
| 10                    | DD22DZZ              | Stereotactic Other Photon Radiosurgery of Duodenum           | 211                | Radiation therapy         |
| 10                    | DD22HZZ              | Stereotactic Particulate Radiosurgery of Duodenum            | 211                | Radiation therapy         |
| 10                    | DD22JZZ              | Stereotactic Gamma Beam Radiosurgery of Duodenum             | 211                | Radiation therapy         |
| 10                    | DD23DZZ              | Stereotactic Other Photon Radiosurgery of Jejunum            | 211                | Radiation therapy         |
| 10                    | DD23HZZ              | Stereotactic Particulate Radiosurgery of Jejunum             | 211                | Radiation therapy         |
| 10                    | DD23JZZ              | Stereotactic Gamma Beam Radiosurgery of Jejunum              | 211                | Radiation therapy         |
| 10                    | DD24DZZ              | Stereotactic Other Photon Radiosurgery of Ileum              | 211                | Radiation therapy         |
| 10                    | DD24HZZ              | Stereotactic Particulate Radiosurgery of Ileum               | 211                | Radiation therapy         |
| 10                    | DD24JZZ              | Stereotactic Gamma Beam Radiosurgery of Ileum                | 211                | Radiation therapy         |
| 10                    | DD25DZZ              | Stereotactic Other Photon Radiosurgery of Colon              | 211                | Radiation therapy         |
| 10                    | DD25HZZ              | Stereotactic Particulate Radiosurgery of Colon               | 211                | Radiation therapy         |
| 10                    | DD25JZZ              | Stereotactic Gamma Beam Radiosurgery of Colon                | 211                | Radiation therapy         |
| 10                    | DD27DZZ              | Stereotactic Other Photon Radiosurgery of Rectum             | 211                | Radiation therapy         |
| 10                    | DD27HZZ              | Stereotactic Particulate Radiosurgery of Rectum              | 211                | Radiation therapy         |
| 10                    | DD27JZZ              | Stereotactic Gamma Beam Radiosurgery of Rectum               | 211                | Radiation therapy         |
| 10                    | DDY07ZZ              | Contact Radiation of Esophagus                               | 211                | Radiation therapy         |
| 10                    | DDY08ZZ              | Hyperthermia of Esophagus                                    | 211                | Radiation therapy         |
| 10                    | DDY0FZZ              | Plaque Radiation of Esophagus                                | 211                | Radiation therapy         |
| 10                    | DDY0KZZ              | Laser Interstitial Thermal Therapy of Esophagus              | 211                | Radiation therapy         |
| 10                    | DDY17ZZ              | Contact Radiation of Stomach                                 | 211                | Radiation therapy         |
| 10                    | DDY18ZZ              | Hyperthermia of Stomach                                      | 211                | Radiation therapy         |
| 10                    | DDY1CZZ              | Intraoperative Radiation Therapy (IORT) of Stomach           | 211                | Radiation therapy         |
| 10                    | DDY1FZZ              | Plaque Radiation of Stomach                                  | 211                | Radiation therapy         |
| 10                    | DDY1KZZ              | Laser Interstitial Thermal Therapy of Stomach                | 211                | Radiation therapy         |
| 10                    | DDY27ZZ              | Contact Radiation of Duodenum                                | 211                | Radiation therapy         |
| 10                    | DDY28ZZ              | Hyperthermia of Duodenum                                     | 211                | Radiation therapy         |
| 10                    | DDY2CZZ              | Intraoperative Radiation Therapy (IORT) of Duodenum          | 211                | Radiation therapy         |
| 10                    | DDY2FZZ              | Plaque Radiation of Duodenum                                 | 211                | Radiation therapy         |
| 10                    | DDY2KZZ              | Laser Interstitial Thermal Therapy of Duodenum               | 211                | Radiation therapy         |
| 10                    | DDY37ZZ              | Contact Radiation of Jejunum                                 | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | DDY38ZZ              | Hyperthermia of Jejunum                                     | 211                | Radiation therapy         |
| 10                    | DDY3CZZ              | Intraoperative Radiation Therapy (IORT) of Jejunum          | 211                | Radiation therapy         |
| 10                    | DDY3FZZ              | Plaque Radiation of Jejunum                                 | 211                | Radiation therapy         |
| 10                    | DDY3KZZ              | Laser Interstitial Thermal Therapy of Jejunum               | 211                | Radiation therapy         |
| 10                    | DDY47ZZ              | Contact Radiation of Ileum                                  | 211                | Radiation therapy         |
| 10                    | DDY48ZZ              | Hyperthermia of Ileum                                       | 211                | Radiation therapy         |
| 10                    | DDY4CZZ              | Intraoperative Radiation Therapy (IORT) of Ileum            | 211                | Radiation therapy         |
| 10                    | DDY4FZZ              | Plaque Radiation of Ileum                                   | 211                | Radiation therapy         |
| 10                    | DDY4KZZ              | Laser Interstitial Thermal Therapy of Ileum                 | 211                | Radiation therapy         |
| 10                    | DDY57ZZ              | Contact Radiation of Colon                                  | 211                | Radiation therapy         |
| 10                    | DDY58ZZ              | Hyperthermia of Colon                                       | 211                | Radiation therapy         |
| 10                    | DDY5CZZ              | Intraoperative Radiation Therapy (IORT) of Colon            | 211                | Radiation therapy         |
| 10                    | DDY5FZZ              | Plaque Radiation of Colon                                   | 211                | Radiation therapy         |
| 10                    | DDY5KZZ              | Laser Interstitial Thermal Therapy of Colon                 | 211                | Radiation therapy         |
| 10                    | DDY77ZZ              | Contact Radiation of Rectum                                 | 211                | Radiation therapy         |
| 10                    | DDY78ZZ              | Hyperthermia of Rectum                                      | 211                | Radiation therapy         |
| 10                    | DDY7CZZ              | Intraoperative Radiation Therapy (IORT) of Rectum           | 211                | Radiation therapy         |
| 10                    | DDY7FZZ              | Plaque Radiation of Rectum                                  | 211                | Radiation therapy         |
| 10                    | DDY7KZZ              | Laser Interstitial Thermal Therapy of Rectum                | 211                | Radiation therapy         |
| 10                    | DDY8CZZ              | Intraoperative Radiation Therapy (IORT) of Anus             | 211                | Radiation therapy         |
| 10                    | DDY8FZZ              | Plaque Radiation of Anus                                    | 211                | Radiation therapy         |
| 10                    | DDY8KZZ              | Laser Interstitial Thermal Therapy of Anus                  | 211                | Radiation therapy         |
| 10                    | DF000ZZ              | Beam Radiation of Liver using Photons <1 MeV                | 211                | Radiation therapy         |
| 10                    | DF001ZZ              | Beam Radiation of Liver using Photons 1 - 10 MeV            | 211                | Radiation therapy         |
| 10                    | DF002ZZ              | Beam Radiation of Liver using Photons >10 MeV               | 211                | Radiation therapy         |
| 10                    | DF003Z0              | Beam Radiation of Liver using Electrons, Intraoperative     | 211                | Radiation therapy         |
| 10                    | DF003ZZ              | Beam Radiation of Liver using Electrons                     | 211                | Radiation therapy         |
| 10                    | DF004ZZ              | Beam Radiation of Liver using Heavy Particles (Protons, Ion | 211                | Radiation therapy         |
| 10                    | DF005ZZ              | Beam Radiation of Liver using Neutrons                      | 211                | Radiation therapy         |
| 10                    | DF006ZZ              | Beam Radiation of Liver using Neutron Capture               | 211                | Radiation therapy         |
| 10                    | DF010ZZ              | Beam Radiation of Gallbladder using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DF011ZZ              | Beam Radiation of Gallbladder using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DF012ZZ              | Beam Radiation of Gallbladder using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DF013Z0              | Beam Radiation of Gallbladder using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DF013ZZ              | Beam Radiation of Gallbladder using Electrons               | 211                | Radiation therapy         |
| 10                    | DF014ZZ              | Beam Radiation of Gallbladder using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | DF015ZZ              | Beam Radiation of Gallbladder using Neutrons                | 211                | Radiation therapy         |
| 10                    | DF016ZZ              | Beam Radiation of Gallbladder using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | DF020ZZ              | Beam Radiation of Bile Ducts using Photons <1 MeV           | 211                | Radiation therapy         |
| 10                    | DF021ZZ              | Beam Radiation of Bile Ducts using Photons 1 - 10 MeV       | 211                | Radiation therapy         |
| 10                    | DF022ZZ              | Beam Radiation of Bile Ducts using Photons >10 MeV          | 211                | Radiation therapy         |
| 10                    | DF023Z0              | Beam Radiation of Bile Ducts using Electrons, Intraoperati  | 211                | Radiation therapy         |
| 10                    | DF023ZZ              | Beam Radiation of Bile Ducts using Electrons                | 211                | Radiation therapy         |
| 10                    | DF024ZZ              | Beam Radiation of Bile Ducts using Heavy Particles          | 211                | Radiation therapy         |
| 10                    | DF025ZZ              | Beam Radiation of Bile Ducts using Neutrons                 | 211                | Radiation therapy         |
| 10                    | DF026ZZ              | Beam Radiation of Bile Ducts using Neutron Capture          | 211                | Radiation therapy         |
| 10                    | DF030ZZ              | Beam Radiation of Pancreas using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DF031ZZ              | Beam Radiation of Pancreas using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DF032ZZ              | Beam Radiation of Pancreas using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DF033Z0              | Beam Radiation of Pancreas using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DF033ZZ              | Beam Radiation of Pancreas using Electrons                  | 211                | Radiation therapy         |
| 10                    | DF034ZZ              | Beam Radiation of Pancreas using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DF035ZZ              | Beam Radiation of Pancreas using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DF036ZZ              | Beam Radiation of Pancreas using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DF1097Z              | High Dose Rate (HDR) Brachytherapy of Liver using Cesium 1  | 211                | Radiation therapy         |
| 10                    | DF1098Z              | HDR Brachytherapy of Liver using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DF1099Z              | High Dose Rate (HDR) Brachytherapy of Liver using Iodine 1  | 211                | Radiation therapy         |
| 10                    | DF109BZ              | HDR Brachytherapy of Liver using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DF109CZ              | HDR Brachytherapy of Liver using Californium 252            | 211                | Radiation therapy         |
| 10                    | DF109YZ              | HDR Brachytherapy of Liver using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DF10B7Z              | Low Dose Rate (LDR) Brachytherapy of Liver using Cesium 13  | 211                | Radiation therapy         |
| 10                    | DF10B8Z              | Low Dose Rate (LDR) Brachytherapy of Liver using Iridium 1  | 211                | Radiation therapy         |
| 10                    | DF10B9Z              | Low Dose Rate (LDR) Brachytherapy of Liver using Iodine 12  | 211                | Radiation therapy         |
| 10                    | DF10BBZ              | LDR Brachytherapy of Liver using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DF10BCZ              | LDR Brachytherapy of Liver using Californium 252            | 211                | Radiation therapy         |
| 10                    | DF10BYZ              | Low Dose Rate (LDR) Brachytherapy of Liver using Oth Isoto  | 211                | Radiation therapy         |
| 10                    | DF1197Z              | HDR Brachytherapy of Gallbladder using Cesium 137           | 211                | Radiation therapy         |
| 10                    | DF1198Z              | HDR Brachytherapy of Gallbladder using Iridium 192          | 211                | Radiation therapy         |
| 10                    | DF1199Z              | HDR Brachytherapy of Gallbladder using Iodine 125           | 211                | Radiation therapy         |
| 10                    | DF119BZ              | HDR Brachytherapy of Gallbladder using Palladium 103        | 211                | Radiation therapy         |
| 10                    | DF119CZ              | HDR Brachytherapy of Gallbladder using Californium 252      | 211                | Radiation therapy         |
| 10                    | DF119YZ              | HDR Brachytherapy of Gallbladder using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | DF11B7Z              | LDR Brachytherapy of Gallbladder using Cesium 137           | 211                | Radiation therapy         |
| 10                    | DF11B8Z              | LDR Brachytherapy of Gallbladder using Iridium 192          | 211                | Radiation therapy         |
| 10                    | DF11B9Z              | LDR Brachytherapy of Gallbladder using Iodine 125           | 211                | Radiation therapy         |
| 10                    | DF11BBZ              | LDR Brachytherapy of Gallbladder using Palladium 103        | 211                | Radiation therapy         |
| 10                    | DF11BCZ              | LDR Brachytherapy of Gallbladder using Californium 252      | 211                | Radiation therapy         |
| 10                    | DF11BYZ              | LDR Brachytherapy of Gallbladder using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | DF1297Z              | HDR Brachytherapy of Bile Ducts using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DF1298Z              | HDR Brachytherapy of Bile Ducts using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DF1299Z              | HDR Brachytherapy of Bile Ducts using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DF129BZ              | HDR Brachytherapy of Bile Ducts using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DF129CZ              | HDR Brachytherapy of Bile Ducts using Californium 252       | 211                | Radiation therapy         |
| 10                    | DF129YZ              | HDR Brachytherapy of Bile Ducts using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DF12B7Z              | LDR Brachytherapy of Bile Ducts using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DF12B8Z              | LDR Brachytherapy of Bile Ducts using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DF12B9Z              | LDR Brachytherapy of Bile Ducts using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DF12BBZ              | LDR Brachytherapy of Bile Ducts using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DF12BCZ              | LDR Brachytherapy of Bile Ducts using Californium 252       | 211                | Radiation therapy         |
| 10                    | DF12BYZ              | LDR Brachytherapy of Bile Ducts using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DF1397Z              | HDR Brachytherapy of Pancreas using Cesium 137              | 211                | Radiation therapy         |
| 10                    | DF1398Z              | HDR Brachytherapy of Pancreas using Iridium 192             | 211                | Radiation therapy         |
| 10                    | DF1399Z              | HDR Brachytherapy of Pancreas using Iodine 125              | 211                | Radiation therapy         |
| 10                    | DF139BZ              | HDR Brachytherapy of Pancreas using Palladium 103           | 211                | Radiation therapy         |
| 10                    | DF139CZ              | HDR Brachytherapy of Pancreas using Californium 252         | 211                | Radiation therapy         |
| 10                    | DF139YZ              | HDR Brachytherapy of Pancreas using Oth Isotope             | 211                | Radiation therapy         |
| 10                    | DF13B7Z              | LDR Brachytherapy of Pancreas using Cesium 137              | 211                | Radiation therapy         |
| 10                    | DF13B8Z              | LDR Brachytherapy of Pancreas using Iridium 192             | 211                | Radiation therapy         |
| 10                    | DF13B9Z              | LDR Brachytherapy of Pancreas using Iodine 125              | 211                | Radiation therapy         |
| 10                    | DF13BBZ              | LDR Brachytherapy of Pancreas using Palladium 103           | 211                | Radiation therapy         |
| 10                    | DF13BCZ              | LDR Brachytherapy of Pancreas using Californium 252         | 211                | Radiation therapy         |
| 10                    | DF13BYZ              | LDR Brachytherapy of Pancreas using Oth Isotope             | 211                | Radiation therapy         |
| 10                    | DF200ZZ              | Stereotactic Other Photon Radiosurgery of Liver             | 211                | Radiation therapy         |
| 10                    | DF20HZZ              | Stereotactic Particulate Radiosurgery of Liver              | 211                | Radiation therapy         |
| 10                    | DF20JZZ              | Stereotactic Gamma Beam Radiosurgery of Liver               | 211                | Radiation therapy         |
| 10                    | DF21DZZ              | Stereotactic Other Photon Radiosurgery of Gallbladder       | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                       | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|---|--------------------|---------------------------|
| 10                    | DF21HZZ              | Stereotactic Particulate Radiosurgery of Gallbladder        | 211                | Radiation therapy         |
| 10                    | DF21JZZ              | Stereotactic Gamma Beam Radiosurgery of Gallbladder         | 211                | Radiation therapy         |
| 10                    | DF22DZZ              | Stereotactic Other Photon Radiosurgery of Bile Ducts        | 211                | Radiation therapy         |
| 10                    | DF22HZZ              | Stereotactic Particulate Radiosurgery of Bile Ducts         | 211                | Radiation therapy         |
| 10                    | DF22JZZ              | Stereotactic Gamma Beam Radiosurgery of Bile Ducts          | 211                | Radiation therapy         |
| 10                    | DF23DZZ              | Stereotactic Other Photon Radiosurgery of Pancreas          | 211                | Radiation therapy         |
| 10                    | DF23HZZ              | Stereotactic Particulate Radiosurgery of Pancreas           | 211                | Radiation therapy         |
| 10                    | DF23JZZ              | Stereotactic Gamma Beam Radiosurgery of Pancreas            | 211                | Radiation therapy         |
| 10                    | DFY07ZZ              | Contact Radiation of Liver                                  | 211                | Radiation therapy         |
| 10                    | DFY08ZZ              | Hyperthermia of Liver                                       | 211                | Radiation therapy         |
| 10                    | DFY0CZZ              | Intraoperative Radiation Therapy (IORT) of Liver            | 211                | Radiation therapy         |
| 10                    | DFY0FZZ              | Plaque Radiation of Liver                                   | 211                | Radiation therapy         |
| 10                    | DFY0KZZ              | Laser Interstitial Thermal Therapy of Liver                 | 211                | Radiation therapy         |
| 10                    | DFY17ZZ              | Contact Radiation of Gallbladder                            | 211                | Radiation therapy         |
| 10                    | DFY18ZZ              | Hyperthermia of Gallbladder                                 | 211                | Radiation therapy         |
| 10                    | DFY1CZZ              | Intraoperative Radiation Therapy (IORT) of Gallbladder      | 211                | Radiation therapy         |
| 10                    | DFY1FZZ              | Plaque Radiation of Gallbladder                             | 211                | Radiation therapy         |
| 10                    | DFY1KZZ              | Laser Interstitial Thermal Therapy of Gallbladder           | 211                | Radiation therapy         |
| 10                    | DFY27ZZ              | Contact Radiation of Bile Ducts                             | 211                | Radiation therapy         |
| 10                    | DFY28ZZ              | Hyperthermia of Bile Ducts                                  | 211                | Radiation therapy         |
| 10                    | DFY2CZZ              | Intraoperative Radiation Therapy (IORT) of Bile Ducts       | 211                | Radiation therapy         |
| 10                    | DFY2FZZ              | Plaque Radiation of Bile Ducts                              | 211                | Radiation therapy         |
| 10                    | DFY2KZZ              | Laser Interstitial Thermal Therapy of Bile Ducts            | 211                | Radiation therapy         |
| 10                    | DFY37ZZ              | Contact Radiation of Pancreas                               | 211                | Radiation therapy         |
| 10                    | DFY38ZZ              | Hyperthermia of Pancreas                                    | 211                | Radiation therapy         |
| 10                    | DFY3CZZ              | Intraoperative Radiation Therapy (IORT) of Pancreas         | 211                | Radiation therapy         |
| 10                    | DFY3FZZ              | Plaque Radiation of Pancreas                                | 211                | Radiation therapy         |
| 10                    | DFY3KZZ              | Laser Interstitial Thermal Therapy of Pancreas              | 211                | Radiation therapy         |
| 10                    | DG000ZZ              | Beam Radiation of Pituitary Gland using Photons <1 MeV      | 211                | Radiation therapy         |
| 10                    | DG001ZZ              | Beam Radiation of Pituitary Gland using Photons 1 - 10 MeV  | 211                | Radiation therapy         |
| 10                    | DG002ZZ              | Beam Radiation of Pituitary Gland using Photons >10 MeV     | 211                | Radiation therapy         |
| 10                    | DG003Z0              | Beam Radiation of Pituitary Gland using Electrons, Intraop  | 211                | Radiation therapy         |
| 10                    | DG003ZZ              | Beam Radiation of Pituitary Gland using Electrons           | 211                | Radiation therapy         |
| 10                    | DG005ZZ              | Beam Radiation of Pituitary Gland using Neutrons            | 211                | Radiation therapy         |
| 10                    | DG006ZZ              | Beam Radiation of Pituitary Gland using Neutron Capture     | 211                | Radiation therapy         |
| 10                    | DG010ZZ              | Beam Radiation of Pineal Body using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DG011ZZ              | Beam Radiation of Pineal Body using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DG012ZZ              | Beam Radiation of Pineal Body using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DG013Z0              | Beam Radiation of Pineal Body using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DG013ZZ              | Beam Radiation of Pineal Body using Electrons               | 211                | Radiation therapy         |
| 10                    | DG015ZZ              | Beam Radiation of Pineal Body using Neutrons                | 211                | Radiation therapy         |
| 10                    | DG016ZZ              | Beam Radiation of Pineal Body using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | DG020ZZ              | Beam Radiation of Adrenal Glands using Photons <1 MeV       | 211                | Radiation therapy         |
| 10                    | DG021ZZ              | Beam Radiation of Adrenal Glands using Photons 1 - 10 MeV   | 211                | Radiation therapy         |
| 10                    | DG022ZZ              | Beam Radiation of Adrenal Glands using Photons >10 MeV      | 211                | Radiation therapy         |
| 10                    | DG023Z0              | Beam Radiation of Adrenal Glands using Electrons, Intraop   | 211                | Radiation therapy         |
| 10                    | DG023ZZ              | Beam Radiation of Adrenal Glands using Electrons            | 211                | Radiation therapy         |
| 10                    | DG025ZZ              | Beam Radiation of Adrenal Glands using Neutrons             | 211                | Radiation therapy         |
| 10                    | DG026ZZ              | Beam Radiation of Adrenal Glands using Neutron Capture      | 211                | Radiation therapy         |
| 10                    | DG040ZZ              | Beam Radiation of Parathyroid Glands using Photons <1 MeV   | 211                | Radiation therapy         |
| 10                    | DG041ZZ              | Beam Radiation of Parathyroid Glands w Photons 1 - 10 MeV   | 211                | Radiation therapy         |
| 10                    | DG042ZZ              | Beam Radiation of Parathyroid Glands using Photons >10 MeV  | 211                | Radiation therapy         |
| 10                    | DG043Z0              | Beam Radiation of Parathyroid Glands w Electrons, Intraop   | 211                | Radiation therapy         |
| 10                    | DG043ZZ              | Beam Radiation of Parathyroid Glands using Electrons        | 211                | Radiation therapy         |
| 10                    | DG045ZZ              | Beam Radiation of Parathyroid Glands using Neutrons         | 211                | Radiation therapy         |
| 10                    | DG046ZZ              | Beam Radiation of Parathyroid Glands using Neutron Capture  | 211                | Radiation therapy         |
| 10                    | DG050ZZ              | Beam Radiation of Thyroid using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DG051ZZ              | Beam Radiation of Thyroid using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DG052ZZ              | Beam Radiation of Thyroid using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DG053Z0              | Beam Radiation of Thyroid using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DG053ZZ              | Beam Radiation of Thyroid using Electrons                   | 211                | Radiation therapy         |
| 10                    | DG055ZZ              | Beam Radiation of Thyroid using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DG056ZZ              | Beam Radiation of Thyroid using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DG1097Z              | HDR Brachytherapy of Pituitary Gland using Cesium 137       | 211                | Radiation therapy         |
| 10                    | DG1098Z              | HDR Brachytherapy of Pituitary Gland using Iridium 192      | 211                | Radiation therapy         |
| 10                    | DG1099Z              | HDR Brachytherapy of Pituitary Gland using Iodine 125       | 211                | Radiation therapy         |
| 10                    | DG1098Z              | HDR Brachytherapy of Pituitary Gland using Palladium 103    | 211                | Radiation therapy         |
| 10                    | DG109CZ              | HDR Brachytherapy of Pituitary Gland using Californium 252  | 211                | Radiation therapy         |
| 10                    | DG109YZ              | HDR Brachytherapy of Pituitary Gland using Oth Isotope      | 211                | Radiation therapy         |
| 10                    | DG1087Z              | LDR Brachytherapy of Pituitary Gland using Cesium 137       | 211                | Radiation therapy         |
| 10                    | DG1088Z              | LDR Brachytherapy of Pituitary Gland using Iridium 192      | 211                | Radiation therapy         |
| 10                    | DG1089Z              | LDR Brachytherapy of Pituitary Gland using Iodine 125       | 211                | Radiation therapy         |
| 10                    | DG1088Z              | LDR Brachytherapy of Pituitary Gland using Palladium 103    | 211                | Radiation therapy         |
| 10                    | DG108CZ              | LDR Brachytherapy of Pituitary Gland using Californium 252  | 211                | Radiation therapy         |
| 10                    | DG108YZ              | LDR Brachytherapy of Pituitary Gland using Oth Isotope      | 211                | Radiation therapy         |
| 10                    | DG1197Z              | HDR Brachytherapy of Pineal Body using Cesium 137           | 211                | Radiation therapy         |
| 10                    | DG1198Z              | HDR Brachytherapy of Pineal Body using Iridium 192          | 211                | Radiation therapy         |
| 10                    | DG1199Z              | HDR Brachytherapy of Pineal Body using Iodine 125           | 211                | Radiation therapy         |
| 10                    | DG1198Z              | HDR Brachytherapy of Pineal Body using Palladium 103        | 211                | Radiation therapy         |
| 10                    | DG119CZ              | HDR Brachytherapy of Pineal Body using Californium 252      | 211                | Radiation therapy         |
| 10                    | DG119YZ              | HDR Brachytherapy of Pineal Body using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | DG1187Z              | LDR Brachytherapy of Pineal Body using Cesium 137           | 211                | Radiation therapy         |
| 10                    | DG1188Z              | LDR Brachytherapy of Pineal Body using Iridium 192          | 211                | Radiation therapy         |
| 10                    | DG1189Z              | LDR Brachytherapy of Pineal Body using Iodine 125           | 211                | Radiation therapy         |
| 10                    | DG1188Z              | LDR Brachytherapy of Pineal Body using Palladium 103        | 211                | Radiation therapy         |
| 10                    | DG118CZ              | LDR Brachytherapy of Pineal Body using Californium 252      | 211                | Radiation therapy         |
| 10                    | DG118YZ              | LDR Brachytherapy of Pineal Body using Oth Isotope          | 211                | Radiation therapy         |
| 10                    | DG1297Z              | HDR Brachytherapy of Adrenal Glands using Cesium 137        | 211                | Radiation therapy         |
| 10                    | DG1298Z              | HDR Brachytherapy of Adrenal Glands using Iridium 192       | 211                | Radiation therapy         |
| 10                    | DG1299Z              | HDR Brachytherapy of Adrenal Glands using Iodine 125        | 211                | Radiation therapy         |
| 10                    | DG1298Z              | HDR Brachytherapy of Adrenal Glands using Palladium 103     | 211                | Radiation therapy         |
| 10                    | DG129CZ              | HDR Brachytherapy of Adrenal Glands using Californium 252   | 211                | Radiation therapy         |
| 10                    | DG129YZ              | HDR Brachytherapy of Adrenal Glands using Oth Isotope       | 211                | Radiation therapy         |
| 10                    | DG1287Z              | LDR Brachytherapy of Adrenal Glands using Cesium 137        | 211                | Radiation therapy         |
| 10                    | DG1288Z              | LDR Brachytherapy of Adrenal Glands using Iridium 192       | 211                | Radiation therapy         |
| 10                    | DG1289Z              | LDR Brachytherapy of Adrenal Glands using Iodine 125        | 211                | Radiation therapy         |
| 10                    | DG1288Z              | LDR Brachytherapy of Adrenal Glands using Palladium 103     | 211                | Radiation therapy         |
| 10                    | DG128CZ              | LDR Brachytherapy of Adrenal Glands using Californium 252   | 211                | Radiation therapy         |
| 10                    | DG128YZ              | LDR Brachytherapy of Adrenal Glands using Oth Isotope       | 211                | Radiation therapy         |
| 10                    | DG1497Z              | HDR Brachytherapy of Parathyroid Glands using Cesium 137    | 211                | Radiation therapy         |
| 10                    | DG1498Z              | HDR Brachytherapy of Parathyroid Glands using Iridium 192   | 211                | Radiation therapy         |
| 10                    | DG1499Z              | HDR Brachytherapy of Parathyroid Glands using Iodine 125    | 211                | Radiation therapy         |
| 10                    | DG1498Z              | HDR Brachytherapy of Parathyroid Glands using Palladium 103 | 211                | Radiation therapy         |
| 10                    | DG149CZ              | HDR Brachytherapy of Parathyroid Glands w Californium 252   | 211                | Radiation therapy         |
| 10                    | DG149YZ              | HDR Brachytherapy of Parathyroid Glands using Oth Isotope   | 211                | Radiation therapy         |
| 10                    | DG1487Z              | LDR Brachytherapy of Parathyroid Glands using Cesium 137    | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DG1488Z              | LDR Brachytherapy of Parathyroid Glands using Iridium 192    | 211                | Radiation therapy         |
| 10                    | DG1489Z              | LDR Brachytherapy of Parathyroid Glands using Iodine 125     | 211                | Radiation therapy         |
| 10                    | DG148BZ              | LDR Brachytherapy of Parathyroid Glands using Palladium 103  | 211                | Radiation therapy         |
| 10                    | DG148CZ              | LDR Brachytherapy of Parathyroid Glands w Californium 252    | 211                | Radiation therapy         |
| 10                    | DG148YZ              | LDR Brachytherapy of Parathyroid Glands using Oth Isotope    | 211                | Radiation therapy         |
| 10                    | DG1597Z              | HDR Brachytherapy of Thyroid using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DG1598Z              | HDR Brachytherapy of Thyroid using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DG1599Z              | HDR Brachytherapy of Thyroid using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DG1598Z              | HDR Brachytherapy of Thyroid using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DG159CZ              | HDR Brachytherapy of Thyroid using Californium 252           | 211                | Radiation therapy         |
| 10                    | DG159YZ              | HDR Brachytherapy of Thyroid using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DG1587Z              | LDR Brachytherapy of Thyroid using Cesium 137                | 211                | Radiation therapy         |
| 10                    | DG1588Z              | LDR Brachytherapy of Thyroid using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DG1589Z              | LDR Brachytherapy of Thyroid using Iodine 125                | 211                | Radiation therapy         |
| 10                    | DG158BZ              | LDR Brachytherapy of Thyroid using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DG158CZ              | LDR Brachytherapy of Thyroid using Californium 252           | 211                | Radiation therapy         |
| 10                    | DG158YZ              | LDR Brachytherapy of Thyroid using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DG20DZZ              | Stereotactic Other Photon Radiosurgery of Pituitary Gland    | 211                | Radiation therapy         |
| 10                    | DG20HZZ              | Stereotactic Particulate Radiosurgery of Pituitary Gland     | 211                | Radiation therapy         |
| 10                    | DG20JZZ              | Stereotactic Gamma Beam Radiosurgery of Pituitary Gland      | 211                | Radiation therapy         |
| 10                    | DG21DZZ              | Stereotactic Other Photon Radiosurgery of Pineal Body        | 211                | Radiation therapy         |
| 10                    | DG21HZZ              | Stereotactic Particulate Radiosurgery of Pineal Body         | 211                | Radiation therapy         |
| 10                    | DG21JZZ              | Stereotactic Gamma Beam Radiosurgery of Pineal Body          | 211                | Radiation therapy         |
| 10                    | DG22DZZ              | Stereotactic Other Photon Radiosurgery of Adrenal Glands     | 211                | Radiation therapy         |
| 10                    | DG22HZZ              | Stereotactic Particulate Radiosurgery of Adrenal Glands      | 211                | Radiation therapy         |
| 10                    | DG22JZZ              | Stereotactic Gamma Beam Radiosurgery of Adrenal Glands       | 211                | Radiation therapy         |
| 10                    | DG24DZZ              | Stereotactic Other Photon Radiosurgery of Parathyroid Gland  | 211                | Radiation therapy         |
| 10                    | DG24HZZ              | Stereotactic Particulate Radiosurgery of Parathyroid Gland   | 211                | Radiation therapy         |
| 10                    | DG24JZZ              | Stereotactic Gamma Beam Radiosurgery of Parathyroid Glands   | 211                | Radiation therapy         |
| 10                    | DG25DZZ              | Stereotactic Other Photon Radiosurgery of Thyroid            | 211                | Radiation therapy         |
| 10                    | DG25HZZ              | Stereotactic Particulate Radiosurgery of Thyroid             | 211                | Radiation therapy         |
| 10                    | DG25JZZ              | Stereotactic Gamma Beam Radiosurgery of Thyroid              | 211                | Radiation therapy         |
| 10                    | DGY07ZZ              | Contact Radiation of Pituitary Gland                         | 211                | Radiation therapy         |
| 10                    | DGY08ZZ              | Hyperthermia of Pituitary Gland                              | 211                | Radiation therapy         |
| 10                    | DGY0FZZ              | Plaque Radiation of Pituitary Gland                          | 211                | Radiation therapy         |
| 10                    | DGY0KZZ              | Laser Interstitial Thermal Therapy of Pituitary Gland        | 211                | Radiation therapy         |
| 10                    | DGY17ZZ              | Contact Radiation of Pineal Body                             | 211                | Radiation therapy         |
| 10                    | DGY18ZZ              | Hyperthermia of Pineal Body                                  | 211                | Radiation therapy         |
| 10                    | DGY1FZZ              | Plaque Radiation of Pineal Body                              | 211                | Radiation therapy         |
| 10                    | DGY1KZZ              | Laser Interstitial Thermal Therapy of Pineal Body            | 211                | Radiation therapy         |
| 10                    | DGY27ZZ              | Contact Radiation of Adrenal Glands                          | 211                | Radiation therapy         |
| 10                    | DGY28ZZ              | Hyperthermia of Adrenal Glands                               | 211                | Radiation therapy         |
| 10                    | DGY2FZZ              | Plaque Radiation of Adrenal Glands                           | 211                | Radiation therapy         |
| 10                    | DGY2KZZ              | Laser Interstitial Thermal Therapy of Adrenal Glands         | 211                | Radiation therapy         |
| 10                    | DGY47ZZ              | Contact Radiation of Parathyroid Glands                      | 211                | Radiation therapy         |
| 10                    | DGY48ZZ              | Hyperthermia of Parathyroid Glands                           | 211                | Radiation therapy         |
| 10                    | DGY4FZZ              | Plaque Radiation of Parathyroid Glands                       | 211                | Radiation therapy         |
| 10                    | DGY4KZZ              | Laser Interstitial Thermal Therapy of Parathyroid Glands     | 211                | Radiation therapy         |
| 10                    | DGY57ZZ              | Contact Radiation of Thyroid                                 | 211                | Radiation therapy         |
| 10                    | DGY58ZZ              | Hyperthermia of Thyroid                                      | 211                | Radiation therapy         |
| 10                    | DGY5FZZ              | Plaque Radiation of Thyroid                                  | 211                | Radiation therapy         |
| 10                    | DGY5KZZ              | Laser Interstitial Thermal Therapy of Thyroid                | 211                | Radiation therapy         |
| 10                    | DH020ZZ              | Beam Radiation of Face Skin using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DH021ZZ              | Beam Radiation of Face Skin using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DH022ZZ              | Beam Radiation of Face Skin using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DH023Z0              | Beam Radiation of Face Skin using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DH023Z2              | Beam Radiation of Face Skin using Electrons                  | 211                | Radiation therapy         |
| 10                    | DH024Z2              | Beam Radiation of Face Skin using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DH025Z2              | Beam Radiation of Face Skin using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DH026Z2              | Beam Radiation of Face Skin using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DH030Z2              | Beam Radiation of Neck Skin using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DH031Z2              | Beam Radiation of Neck Skin using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DH032Z2              | Beam Radiation of Neck Skin using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DH033Z0              | Beam Radiation of Neck Skin using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DH033Z2              | Beam Radiation of Neck Skin using Electrons                  | 211                | Radiation therapy         |
| 10                    | DH034Z2              | Beam Radiation of Neck Skin using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DH035Z2              | Beam Radiation of Neck Skin using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DH036Z2              | Beam Radiation of Neck Skin using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DH040Z2              | Beam Radiation of Arm Skin using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DH041Z2              | Beam Radiation of Arm Skin using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DH042Z2              | Beam Radiation of Arm Skin using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DH043Z0              | Beam Radiation of Arm Skin using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DH043Z2              | Beam Radiation of Arm Skin using Electrons                   | 211                | Radiation therapy         |
| 10                    | DH044Z2              | Beam Radiation of Arm Skin using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DH045Z2              | Beam Radiation of Arm Skin using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DH046Z2              | Beam Radiation of Arm Skin using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DH060Z2              | Beam Radiation of Chest Skin using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DH061Z2              | Beam Radiation of Chest Skin using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DH062Z2              | Beam Radiation of Chest Skin using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DH063Z0              | Beam Radiation of Chest Skin using Electrons, Intraoperative | 211                | Radiation therapy         |
| 10                    | DH063Z2              | Beam Radiation of Chest Skin using Electrons                 | 211                | Radiation therapy         |
| 10                    | DH064Z2              | Beam Radiation of Chest Skin using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DH065Z2              | Beam Radiation of Chest Skin using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DH066Z2              | Beam Radiation of Chest Skin using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DH070Z2              | Beam Radiation of Back Skin using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DH071Z2              | Beam Radiation of Back Skin using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DH072Z2              | Beam Radiation of Back Skin using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DH073Z0              | Beam Radiation of Back Skin using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DH073Z2              | Beam Radiation of Back Skin using Electrons                  | 211                | Radiation therapy         |
| 10                    | DH074Z2              | Beam Radiation of Back Skin using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DH075Z2              | Beam Radiation of Back Skin using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DH076Z2              | Beam Radiation of Back Skin using Neutron Capture            | 211                | Radiation therapy         |
| 10                    | DH080Z2              | Beam Radiation of Abdomen Skin using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DH081Z2              | Beam Radiation of Abdomen Skin using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DH082Z2              | Beam Radiation of Abdomen Skin using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DH083Z0              | Beam Radiation of Abdomen Skin using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DH083Z2              | Beam Radiation of Abdomen Skin using Electrons               | 211                | Radiation therapy         |
| 10                    | DH084Z2              | Beam Radiation of Abdomen Skin using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | DH085Z2              | Beam Radiation of Abdomen Skin using Neutrons                | 211                | Radiation therapy         |
| 10                    | DH086Z2              | Beam Radiation of Abdomen Skin using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | DH090Z2              | Beam Radiation of Buttock Skin using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DH091Z2              | Beam Radiation of Buttock Skin using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DH092Z2              | Beam Radiation of Buttock Skin using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DH093Z0              | Beam Radiation of Buttock Skin using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DH093Z2              | Beam Radiation of Buttock Skin using Electrons               | 211                | Radiation therapy         |
| 10                    | DH094Z2              | Beam Radiation of Buttock Skin using Heavy Particles         | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DH095ZZ              | Beam Radiation of Buttock Skin using Neutrons              | 211                | Radiation therapy         |
| 10                    | DH096ZZ              | Beam Radiation of Buttock Skin using Neutron Capture       | 211                | Radiation therapy         |
| 10                    | DH080ZZ              | Beam Radiation of Leg Skin using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DH081ZZ              | Beam Radiation of Leg Skin using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DH082ZZ              | Beam Radiation of Leg Skin using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DH083Z0              | Beam Radiation of Leg Skin using Electrons, Intraoperative | 211                | Radiation therapy         |
| 10                    | DH083ZZ              | Beam Radiation of Leg Skin using Electrons                 | 211                | Radiation therapy         |
| 10                    | DH084ZZ              | Beam Radiation of Leg Skin using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DH085ZZ              | Beam Radiation of Leg Skin using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DH086ZZ              | Beam Radiation of Leg Skin using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DHY27ZZ              | Contact Radiation of Face Skin                             | 211                | Radiation therapy         |
| 10                    | DHY28ZZ              | Hyperthermia of Face Skin                                  | 211                | Radiation therapy         |
| 10                    | DHY2FZZ              | Plaque Radiation of Face Skin                              | 211                | Radiation therapy         |
| 10                    | DHY37ZZ              | Contact Radiation of Neck Skin                             | 211                | Radiation therapy         |
| 10                    | DHY38ZZ              | Hyperthermia of Neck Skin                                  | 211                | Radiation therapy         |
| 10                    | DHY3FZZ              | Plaque Radiation of Neck Skin                              | 211                | Radiation therapy         |
| 10                    | DHY47ZZ              | Contact Radiation of Arm Skin                              | 211                | Radiation therapy         |
| 10                    | DHY48ZZ              | Hyperthermia of Arm Skin                                   | 211                | Radiation therapy         |
| 10                    | DHY4FZZ              | Plaque Radiation of Arm Skin                               | 211                | Radiation therapy         |
| 10                    | DHY5FZZ              | Plaque Radiation of Hand Skin                              | 211                | Radiation therapy         |
| 10                    | DHY67ZZ              | Contact Radiation of Chest Skin                            | 211                | Radiation therapy         |
| 10                    | DHY68ZZ              | Hyperthermia of Chest Skin                                 | 211                | Radiation therapy         |
| 10                    | DHY6FZZ              | Plaque Radiation of Chest Skin                             | 211                | Radiation therapy         |
| 10                    | DHY77ZZ              | Contact Radiation of Back Skin                             | 211                | Radiation therapy         |
| 10                    | DHY78ZZ              | Hyperthermia of Back Skin                                  | 211                | Radiation therapy         |
| 10                    | DHY7FZZ              | Plaque Radiation of Back Skin                              | 211                | Radiation therapy         |
| 10                    | DHY87ZZ              | Contact Radiation of Abdomen Skin                          | 211                | Radiation therapy         |
| 10                    | DHY88ZZ              | Hyperthermia of Abdomen Skin                               | 211                | Radiation therapy         |
| 10                    | DHY8FZZ              | Plaque Radiation of Abdomen Skin                           | 211                | Radiation therapy         |
| 10                    | DHY97ZZ              | Contact Radiation of Buttock Skin                          | 211                | Radiation therapy         |
| 10                    | DHY98ZZ              | Hyperthermia of Buttock Skin                               | 211                | Radiation therapy         |
| 10                    | DHY9FZZ              | Plaque Radiation of Buttock Skin                           | 211                | Radiation therapy         |
| 10                    | DHY87ZZ              | Contact Radiation of Leg Skin                              | 211                | Radiation therapy         |
| 10                    | DHY88ZZ              | Hyperthermia of Leg Skin                                   | 211                | Radiation therapy         |
| 10                    | DHY8FZZ              | Plaque Radiation of Leg Skin                               | 211                | Radiation therapy         |
| 10                    | DHYCFZZ              | Plaque Radiation of Foot Skin                              | 211                | Radiation therapy         |
| 10                    | DM000ZZ              | Beam Radiation of Left Breast using Photons <1 MeV         | 211                | Radiation therapy         |
| 10                    | DM001ZZ              | Beam Radiation of Left Breast using Photons 1 - 10 MeV     | 211                | Radiation therapy         |
| 10                    | DM002ZZ              | Beam Radiation of Left Breast using Photons >10 MeV        | 211                | Radiation therapy         |
| 10                    | DM003Z0              | Beam Radiation of Left Breast using Electrons, Intraop     | 211                | Radiation therapy         |
| 10                    | DM003ZZ              | Beam Radiation of Left Breast using Electrons              | 211                | Radiation therapy         |
| 10                    | DM004ZZ              | Beam Radiation of Left Breast using Heavy Particles        | 211                | Radiation therapy         |
| 10                    | DM005ZZ              | Beam Radiation of Left Breast using Neutrons               | 211                | Radiation therapy         |
| 10                    | DM006ZZ              | Beam Radiation of Left Breast using Neutron Capture        | 211                | Radiation therapy         |
| 10                    | DM010ZZ              | Beam Radiation of Right Breast using Photons <1 MeV        | 211                | Radiation therapy         |
| 10                    | DM011ZZ              | Beam Radiation of Right Breast using Photons 1 - 10 MeV    | 211                | Radiation therapy         |
| 10                    | DM012ZZ              | Beam Radiation of Right Breast using Photons >10 MeV       | 211                | Radiation therapy         |
| 10                    | DM013Z0              | Beam Radiation of Right Breast using Electrons, Intraop    | 211                | Radiation therapy         |
| 10                    | DM013ZZ              | Beam Radiation of Right Breast using Electrons             | 211                | Radiation therapy         |
| 10                    | DM014ZZ              | Beam Radiation of Right Breast using Heavy Particles       | 211                | Radiation therapy         |
| 10                    | DM015ZZ              | Beam Radiation of Right Breast using Neutrons              | 211                | Radiation therapy         |
| 10                    | DM016ZZ              | Beam Radiation of Right Breast using Neutron Capture       | 211                | Radiation therapy         |
| 10                    | DM1097Z              | HDR Brachytherapy of L Breast using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DM1098Z              | HDR Brachytherapy of L Breast using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DM1099Z              | HDR Brachytherapy of L Breast using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DM1098Z              | HDR Brachytherapy of L Breast using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DM109CZ              | HDR Brachytherapy of L Breast using Californium 252        | 211                | Radiation therapy         |
| 10                    | DM109YZ              | HDR Brachytherapy of L Breast using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DM10B7Z              | LDR Brachytherapy of L Breast using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DM10B8Z              | LDR Brachytherapy of L Breast using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DM10B9Z              | LDR Brachytherapy of L Breast using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DM10B8Z              | LDR Brachytherapy of L Breast using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DM10BCZ              | LDR Brachytherapy of L Breast using Californium 252        | 211                | Radiation therapy         |
| 10                    | DM10BYZ              | LDR Brachytherapy of L Breast using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DM1197Z              | HDR Brachytherapy of R Breast using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DM1198Z              | HDR Brachytherapy of R Breast using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DM1199Z              | HDR Brachytherapy of R Breast using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DM1198Z              | HDR Brachytherapy of R Breast using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DM119CZ              | HDR Brachytherapy of R Breast using Californium 252        | 211                | Radiation therapy         |
| 10                    | DM119YZ              | HDR Brachytherapy of R Breast using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DM11B7Z              | LDR Brachytherapy of R Breast using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DM11B8Z              | LDR Brachytherapy of R Breast using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DM11B9Z              | LDR Brachytherapy of R Breast using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DM11B8Z              | LDR Brachytherapy of R Breast using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DM11BCZ              | LDR Brachytherapy of R Breast using Californium 252        | 211                | Radiation therapy         |
| 10                    | DM11BYZ              | LDR Brachytherapy of R Breast using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DM20DZZ              | Stereotactic Other Photon Radiosurgery of Left Breast      | 211                | Radiation therapy         |
| 10                    | DM20HZZ              | Stereotactic Particulate Radiosurgery of Left Breast       | 211                | Radiation therapy         |
| 10                    | DM20JZZ              | Stereotactic Gamma Beam Radiosurgery of Left Breast        | 211                | Radiation therapy         |
| 10                    | DM21DZZ              | Stereotactic Other Photon Radiosurgery of Right Breast     | 211                | Radiation therapy         |
| 10                    | DM21HZZ              | Stereotactic Particulate Radiosurgery of Right Breast      | 211                | Radiation therapy         |
| 10                    | DM21JZZ              | Stereotactic Gamma Beam Radiosurgery of Right Breast       | 211                | Radiation therapy         |
| 10                    | DMY07ZZ              | Contact Radiation of Left Breast                           | 211                | Radiation therapy         |
| 10                    | DMY08ZZ              | Hyperthermia of Left Breast                                | 211                | Radiation therapy         |
| 10                    | DMY0FZZ              | Plaque Radiation of Left Breast                            | 211                | Radiation therapy         |
| 10                    | DMY0KZZ              | Laser Interstitial Thermal Therapy of Left Breast          | 211                | Radiation therapy         |
| 10                    | DMY17ZZ              | Contact Radiation of Right Breast                          | 211                | Radiation therapy         |
| 10                    | DMY18ZZ              | Hyperthermia of Right Breast                               | 211                | Radiation therapy         |
| 10                    | DMY1FZZ              | Plaque Radiation of Right Breast                           | 211                | Radiation therapy         |
| 10                    | DMY1KZZ              | Laser Interstitial Thermal Therapy of Right Breast         | 211                | Radiation therapy         |
| 10                    | DP000ZZ              | Beam Radiation of Skull using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DP001ZZ              | Beam Radiation of Skull using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DP002ZZ              | Beam Radiation of Skull using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DP003Z0              | Beam Radiation of Skull using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DP003ZZ              | Beam Radiation of Skull using Electrons                    | 211                | Radiation therapy         |
| 10                    | DP004ZZ              | Beam Radiation of Skull using Heavy Particles (Protons,ion | 211                | Radiation therapy         |
| 10                    | DP005ZZ              | Beam Radiation of Skull using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DP006ZZ              | Beam Radiation of Skull using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DP020ZZ              | Beam Radiation of Maxilla using Photons <1 MeV             | 211                | Radiation therapy         |
| 10                    | DP021ZZ              | Beam Radiation of Maxilla using Photons 1 - 10 MeV         | 211                | Radiation therapy         |
| 10                    | DP022ZZ              | Beam Radiation of Maxilla using Photons >10 MeV            | 211                | Radiation therapy         |
| 10                    | DP023Z0              | Beam Radiation of Maxilla using Electrons, Intraoperative  | 211                | Radiation therapy         |
| 10                    | DP023ZZ              | Beam Radiation of Maxilla using Electrons                  | 211                | Radiation therapy         |
| 10                    | DP024ZZ              | Beam Radiation of Maxilla using Heavy Particles            | 211                | Radiation therapy         |
| 10                    | DP025ZZ              | Beam Radiation of Maxilla using Neutrons                   | 211                | Radiation therapy         |
| 10                    | DP026ZZ              | Beam Radiation of Maxilla using Neutron Capture            | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DP030ZZ              | Beam Radiation of Mandible using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DP031ZZ              | Beam Radiation of Mandible using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DP032ZZ              | Beam Radiation of Mandible using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DP033Z0              | Beam Radiation of Mandible using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DP033ZZ              | Beam Radiation of Mandible using Electrons                   | 211                | Radiation therapy         |
| 10                    | DP034ZZ              | Beam Radiation of Mandible using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DP035ZZ              | Beam Radiation of Mandible using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DP036ZZ              | Beam Radiation of Mandible using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DP040ZZ              | Beam Radiation of Sternum using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DP041ZZ              | Beam Radiation of Sternum using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DP042ZZ              | Beam Radiation of Sternum using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DP043Z0              | Beam Radiation of Sternum using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DP043ZZ              | Beam Radiation of Sternum using Electrons                    | 211                | Radiation therapy         |
| 10                    | DP044ZZ              | Beam Radiation of Sternum using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | DP045ZZ              | Beam Radiation of Sternum using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DP046ZZ              | Beam Radiation of Sternum using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DP050ZZ              | Beam Radiation of Rib(s) using Photons <1 MeV                | 211                | Radiation therapy         |
| 10                    | DP051ZZ              | Beam Radiation of Rib(s) using Photons 1 - 10 MeV            | 211                | Radiation therapy         |
| 10                    | DP052ZZ              | Beam Radiation of Rib(s) using Photons >10 MeV               | 211                | Radiation therapy         |
| 10                    | DP053Z0              | Beam Radiation of Rib(s) using Electrons, Intraoperative     | 211                | Radiation therapy         |
| 10                    | DP053ZZ              | Beam Radiation of Rib(s) using Electrons                     | 211                | Radiation therapy         |
| 10                    | DP054ZZ              | Beam Radiation of Rib(s) using Heavy Particles               | 211                | Radiation therapy         |
| 10                    | DP055ZZ              | Beam Radiation of Rib(s) using Neutrons                      | 211                | Radiation therapy         |
| 10                    | DP056ZZ              | Beam Radiation of Rib(s) using Neutron Capture               | 211                | Radiation therapy         |
| 10                    | DP060ZZ              | Beam Radiation of Humerus using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DP061ZZ              | Beam Radiation of Humerus using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DP062ZZ              | Beam Radiation of Humerus using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DP063Z0              | Beam Radiation of Humerus using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DP063ZZ              | Beam Radiation of Humerus using Electrons                    | 211                | Radiation therapy         |
| 10                    | DP064ZZ              | Beam Radiation of Humerus using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | DP065ZZ              | Beam Radiation of Humerus using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DP066ZZ              | Beam Radiation of Humerus using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DP070ZZ              | Beam Radiation of Radius/Ulna using Photons <1 MeV           | 211                | Radiation therapy         |
| 10                    | DP071ZZ              | Beam Radiation of Radius/Ulna using Photons 1 - 10 MeV       | 211                | Radiation therapy         |
| 10                    | DP072ZZ              | Beam Radiation of Radius/Ulna using Photons >10 MeV          | 211                | Radiation therapy         |
| 10                    | DP073Z0              | Beam Radiation of Radius/Ulna using Electrons, Intraop       | 211                | Radiation therapy         |
| 10                    | DP073ZZ              | Beam Radiation of Radius/Ulna using Electrons                | 211                | Radiation therapy         |
| 10                    | DP074ZZ              | Beam Radiation of Radius/Ulna using Heavy Particles          | 211                | Radiation therapy         |
| 10                    | DP075ZZ              | Beam Radiation of Radius/Ulna using Neutrons                 | 211                | Radiation therapy         |
| 10                    | DP076ZZ              | Beam Radiation of Radius/Ulna using Neutron Capture          | 211                | Radiation therapy         |
| 10                    | DP080ZZ              | Beam Radiation of Pelvic Bones using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DP081ZZ              | Beam Radiation of Pelvic Bones using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DP082ZZ              | Beam Radiation of Pelvic Bones using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DP083Z0              | Beam Radiation of Pelvic Bones using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DP083ZZ              | Beam Radiation of Pelvic Bones using Electrons               | 211                | Radiation therapy         |
| 10                    | DP084ZZ              | Beam Radiation of Pelvic Bones using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | DP085ZZ              | Beam Radiation of Pelvic Bones using Neutrons                | 211                | Radiation therapy         |
| 10                    | DP086ZZ              | Beam Radiation of Pelvic Bones using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | DP090ZZ              | Beam Radiation of Femur using Photons <1 MeV                 | 211                | Radiation therapy         |
| 10                    | DP091ZZ              | Beam Radiation of Femur using Photons 1 - 10 MeV             | 211                | Radiation therapy         |
| 10                    | DP092ZZ              | Beam Radiation of Femur using Photons >10 MeV                | 211                | Radiation therapy         |
| 10                    | DP093Z0              | Beam Radiation of Femur using Electrons, Intraoperative      | 211                | Radiation therapy         |
| 10                    | DP093ZZ              | Beam Radiation of Femur using Electrons                      | 211                | Radiation therapy         |
| 10                    | DP094ZZ              | Beam Radiation of Femur using Heavy Particles (Protons, Ion) | 211                | Radiation therapy         |
| 10                    | DP095ZZ              | Beam Radiation of Femur using Neutrons                       | 211                | Radiation therapy         |
| 10                    | DP096ZZ              | Beam Radiation of Femur using Neutron Capture                | 211                | Radiation therapy         |
| 10                    | DP080ZZ              | Beam Radiation of Tibia/Fibula using Photons <1 MeV          | 211                | Radiation therapy         |
| 10                    | DP081ZZ              | Beam Radiation of Tibia/Fibula using Photons 1 - 10 MeV      | 211                | Radiation therapy         |
| 10                    | DP082ZZ              | Beam Radiation of Tibia/Fibula using Photons >10 MeV         | 211                | Radiation therapy         |
| 10                    | DP083Z0              | Beam Radiation of Tibia/Fibula using Electrons, Intraop      | 211                | Radiation therapy         |
| 10                    | DP083ZZ              | Beam Radiation of Tibia/Fibula using Electrons               | 211                | Radiation therapy         |
| 10                    | DP084ZZ              | Beam Radiation of Tibia/Fibula using Heavy Particles         | 211                | Radiation therapy         |
| 10                    | DP085ZZ              | Beam Radiation of Tibia/Fibula using Neutrons                | 211                | Radiation therapy         |
| 10                    | DP086ZZ              | Beam Radiation of Tibia/Fibula using Neutron Capture         | 211                | Radiation therapy         |
| 10                    | DP0C0ZZ              | Beam Radiation of Other Bone using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DP0C1ZZ              | Beam Radiation of Other Bone using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DP0C2ZZ              | Beam Radiation of Other Bone using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DP0C3Z0              | Beam Radiation of Other Bone using Electrons, Intraoperati   | 211                | Radiation therapy         |
| 10                    | DP0C3ZZ              | Beam Radiation of Other Bone using Electrons                 | 211                | Radiation therapy         |
| 10                    | DP0C4ZZ              | Beam Radiation of Other Bone using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DP0C5ZZ              | Beam Radiation of Other Bone using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DP0C6ZZ              | Beam Radiation of Other Bone using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DPY07ZZ              | Contact Radiation of Skull                                   | 211                | Radiation therapy         |
| 10                    | DPY08ZZ              | Hyperthermia of Skull  | 211                | Radiation therapy         |
| 10                    | DPY0FZZ              | Plaque Radiation of Skull                                    | 211                | Radiation therapy         |
| 10                    | DPY27ZZ              | Contact Radiation of Maxilla                                 | 211                | Radiation therapy         |
| 10                    | DPY28ZZ              | Hyperthermia of Maxilla                                      | 211                | Radiation therapy         |
| 10                    | DPY2FZZ              | Plaque Radiation of Maxilla                                  | 211                | Radiation therapy         |
| 10                    | DPY37ZZ              | Contact Radiation of Mandible                                | 211                | Radiation therapy         |
| 10                    | DPY38ZZ              | Hyperthermia of Mandible                                     | 211                | Radiation therapy         |
| 10                    | DPY3FZZ              | Plaque Radiation of Mandible                                 | 211                | Radiation therapy         |
| 10                    | DPY47ZZ              | Contact Radiation of Sternum                                 | 211                | Radiation therapy         |
| 10                    | DPY48ZZ              | Hyperthermia of Sternum                                      | 211                | Radiation therapy         |
| 10                    | DPY4FZZ              | Plaque Radiation of Sternum                                  | 211                | Radiation therapy         |
| 10                    | DPY57ZZ              | Contact Radiation of Rib(s)                                  | 211                | Radiation therapy         |
| 10                    | DPY58ZZ              | Hyperthermia of Rib(s)                                       | 211                | Radiation therapy         |
| 10                    | DPY5FZZ              | Plaque Radiation of Rib(s)                                   | 211                | Radiation therapy         |
| 10                    | DPY67ZZ              | Contact Radiation of Humerus                                 | 211                | Radiation therapy         |
| 10                    | DPY68ZZ              | Hyperthermia of Humerus                                      | 211                | Radiation therapy         |
| 10                    | DPY6FZZ              | Plaque Radiation of Humerus                                  | 211                | Radiation therapy         |
| 10                    | DPY77ZZ              | Contact Radiation of Radius/Ulna                             | 211                | Radiation therapy         |
| 10                    | DPY78ZZ              | Hyperthermia of Radius/Ulna                                  | 211                | Radiation therapy         |
| 10                    | DPY7FZZ              | Plaque Radiation of Radius/Ulna                              | 211                | Radiation therapy         |
| 10                    | DPY87ZZ              | Contact Radiation of Pelvic Bones                            | 211                | Radiation therapy         |
| 10                    | DPY88ZZ              | Hyperthermia of Pelvic Bones                                 | 211                | Radiation therapy         |
| 10                    | DPY8FZZ              | Plaque Radiation of Pelvic Bones                             | 211                | Radiation therapy         |
| 10                    | DPY97ZZ              | Contact Radiation of Femur                                   | 211                | Radiation therapy         |
| 10                    | DPY98ZZ              | Hyperthermia of Femur  | 211                | Radiation therapy         |
| 10                    | DPY9FZZ              | Plaque Radiation of Femur                                    | 211                | Radiation therapy         |
| 10                    | DPYB7ZZ              | Contact Radiation of Tibia/Fibula                            | 211                | Radiation therapy         |
| 10                    | DPYB8ZZ              | Hyperthermia of Tibia/Fibula                                 | 211                | Radiation therapy         |
| 10                    | DPYBFZZ              | Plaque Radiation of Tibia/Fibula                             | 211                | Radiation therapy         |
| 10                    | DPYC7ZZ              | Contact Radiation of Other Bone                              | 211                | Radiation therapy         |
| 10                    | DPYC8ZZ              | Hyperthermia of Other Bone                                   | 211                | Radiation therapy         |
| 10                    | DPYCFZZ              | Plaque Radiation of Other Bone                               | 211                | Radiation therapy         |
| 10                    | DT000ZZ              | Beam Radiation of Kidney using Photons <1 MeV                | 211                | Radiation therapy         |



The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description_ |
|-----------------------|----------------------|--|--------------------|----------------------------|
| 10                    | DT001ZZ              | Beam Radiation of Kidney using Photons 1 - 10 MeV            | 211                | Radiation therapy          |
| 10                    | DT002ZZ              | Beam Radiation of Kidney using Photons >10 MeV               | 211                | Radiation therapy          |
| 10                    | DT003Z0              | Beam Radiation of Kidney using Electrons, Intraoperative     | 211                | Radiation therapy          |
| 10                    | DT003ZZ              | Beam Radiation of Kidney using Electrons                     | 211                | Radiation therapy          |
| 10                    | DT004ZZ              | Beam Radiation of Kidney using Heavy Particles               | 211                | Radiation therapy          |
| 10                    | DT005ZZ              | Beam Radiation of Kidney using Neutrons                      | 211                | Radiation therapy          |
| 10                    | DT006ZZ              | Beam Radiation of Kidney using Neutron Capture               | 211                | Radiation therapy          |
| 10                    | DT010ZZ              | Beam Radiation of Ureter using Photons <1 MeV                | 211                | Radiation therapy          |
| 10                    | DT011ZZ              | Beam Radiation of Ureter using Photons 1 - 10 MeV            | 211                | Radiation therapy          |
| 10                    | DT012ZZ              | Beam Radiation of Ureter using Photons >10 MeV               | 211                | Radiation therapy          |
| 10                    | DT013Z0              | Beam Radiation of Ureter using Electrons, Intraoperative     | 211                | Radiation therapy          |
| 10                    | DT013ZZ              | Beam Radiation of Ureter using Electrons                     | 211                | Radiation therapy          |
| 10                    | DT014ZZ              | Beam Radiation of Ureter using Heavy Particles               | 211                | Radiation therapy          |
| 10                    | DT015ZZ              | Beam Radiation of Ureter using Neutrons                      | 211                | Radiation therapy          |
| 10                    | DT016ZZ              | Beam Radiation of Ureter using Neutron Capture               | 211                | Radiation therapy          |
| 10                    | DT020ZZ              | Beam Radiation of Bladder using Photons <1 MeV               | 211                | Radiation therapy          |
| 10                    | DT021ZZ              | Beam Radiation of Bladder using Photons 1 - 10 MeV           | 211                | Radiation therapy          |
| 10                    | DT022ZZ              | Beam Radiation of Bladder using Photons >10 MeV              | 211                | Radiation therapy          |
| 10                    | DT023Z0              | Beam Radiation of Bladder using Electrons, Intraoperative    | 211                | Radiation therapy          |
| 10                    | DT023ZZ              | Beam Radiation of Bladder using Electrons                    | 211                | Radiation therapy          |
| 10                    | DT024ZZ              | Beam Radiation of Bladder using Heavy Particles              | 211                | Radiation therapy          |
| 10                    | DT025ZZ              | Beam Radiation of Bladder using Neutrons                     | 211                | Radiation therapy          |
| 10                    | DT026ZZ              | Beam Radiation of Bladder using Neutron Capture              | 211                | Radiation therapy          |
| 10                    | DT030ZZ              | Beam Radiation of Urethra using Photons <1 MeV               | 211                | Radiation therapy          |
| 10                    | DT031ZZ              | Beam Radiation of Urethra using Photons 1 - 10 MeV           | 211                | Radiation therapy          |
| 10                    | DT032ZZ              | Beam Radiation of Urethra using Photons >10 MeV              | 211                | Radiation therapy          |
| 10                    | DT033Z0              | Beam Radiation of Urethra using Electrons, Intraoperative    | 211                | Radiation therapy          |
| 10                    | DT033ZZ              | Beam Radiation of Urethra using Electrons                    | 211                | Radiation therapy          |
| 10                    | DT034ZZ              | Beam Radiation of Urethra using Heavy Particles              | 211                | Radiation therapy          |
| 10                    | DT035ZZ              | Beam Radiation of Urethra using Neutrons                     | 211                | Radiation therapy          |
| 10                    | DT036ZZ              | Beam Radiation of Urethra using Neutron Capture              | 211                | Radiation therapy          |
| 10                    | DT1097Z              | HDR Brachytherapy of Kidney using Cesium 137                 | 211                | Radiation therapy          |
| 10                    | DT1098Z              | HDR Brachytherapy of Kidney using Iridium 192                | 211                | Radiation therapy          |
| 10                    | DT1099Z              | HDR Brachytherapy of Kidney using Iodine 125                 | 211                | Radiation therapy          |
| 10                    | DT109BZ              | HDR Brachytherapy of Kidney using Palladium 103              | 211                | Radiation therapy          |
| 10                    | DT109CZ              | HDR Brachytherapy of Kidney using Californium 252            | 211                | Radiation therapy          |
| 10                    | DT109YZ              | HDR Brachytherapy of Kidney using Oth Isotope                | 211                | Radiation therapy          |
| 10                    | DT10B7Z              | Low Dose Rate (LDR) Brachytherapy of Kidney using Cesium 137 | 211                | Radiation therapy          |
| 10                    | DT10B8Z              | LDR Brachytherapy of Kidney using Iridium 192                | 211                | Radiation therapy          |
| 10                    | DT10B9Z              | Low Dose Rate (LDR) Brachytherapy of Kidney using Iodine 125 | 211                | Radiation therapy          |
| 10                    | DT10BBZ              | LDR Brachytherapy of Kidney using Palladium 103              | 211                | Radiation therapy          |
| 10                    | DT10BCZ              | LDR Brachytherapy of Kidney using Californium 252            | 211                | Radiation therapy          |
| 10                    | DT10BYZ              | LDR Brachytherapy of Kidney using Oth Isotope                | 211                | Radiation therapy          |
| 10                    | DT1197Z              | HDR Brachytherapy of Ureter using Cesium 137                 | 211                | Radiation therapy          |
| 10                    | DT1198Z              | HDR Brachytherapy of Ureter using Iridium 192                | 211                | Radiation therapy          |
| 10                    | DT1199Z              | HDR Brachytherapy of Ureter using Iodine 125                 | 211                | Radiation therapy          |
| 10                    | DT119BZ              | HDR Brachytherapy of Ureter using Palladium 103              | 211                | Radiation therapy          |
| 10                    | DT119CZ              | HDR Brachytherapy of Ureter using Californium 252            | 211                | Radiation therapy          |
| 10                    | DT119YZ              | HDR Brachytherapy of Ureter using Oth Isotope                | 211                | Radiation therapy          |
| 10                    | DT11B7Z              | Low Dose Rate (LDR) Brachytherapy of Ureter using Cesium 137 | 211                | Radiation therapy          |
| 10                    | DT11B8Z              | LDR Brachytherapy of Ureter using Iridium 192                | 211                | Radiation therapy          |
| 10                    | DT11B9Z              | Low Dose Rate (LDR) Brachytherapy of Ureter using Iodine 125 | 211                | Radiation therapy          |
| 10                    | DT11BBZ              | LDR Brachytherapy of Ureter using Palladium 103              | 211                | Radiation therapy          |
| 10                    | DT11BCZ              | LDR Brachytherapy of Ureter using Californium 252            | 211                | Radiation therapy          |
| 10                    | DT11BYZ              | LDR Brachytherapy of Ureter using Oth Isotope                | 211                | Radiation therapy          |
| 10                    | DT1297Z              | HDR Brachytherapy of Bladder using Cesium 137                | 211                | Radiation therapy          |
| 10                    | DT1298Z              | HDR Brachytherapy of Bladder using Iridium 192               | 211                | Radiation therapy          |
| 10                    | DT1299Z              | HDR Brachytherapy of Bladder using Iodine 125                | 211                | Radiation therapy          |
| 10                    | DT129BZ              | HDR Brachytherapy of Bladder using Palladium 103             | 211                | Radiation therapy          |
| 10                    | DT129CZ              | HDR Brachytherapy of Bladder using Californium 252           | 211                | Radiation therapy          |
| 10                    | DT129YZ              | HDR Brachytherapy of Bladder using Oth Isotope               | 211                | Radiation therapy          |
| 10                    | DT12B7Z              | LDR Brachytherapy of Bladder using Cesium 137                | 211                | Radiation therapy          |
| 10                    | DT12B8Z              | LDR Brachytherapy of Bladder using Iridium 192               | 211                | Radiation therapy          |
| 10                    | DT12B9Z              | LDR Brachytherapy of Bladder using Iodine 125                | 211                | Radiation therapy          |
| 10                    | DT12BBZ              | LDR Brachytherapy of Bladder using Palladium 103             | 211                | Radiation therapy          |
| 10                    | DT12BCZ              | LDR Brachytherapy of Bladder using Californium 252           | 211                | Radiation therapy          |
| 10                    | DT12BYZ              | LDR Brachytherapy of Bladder using Oth Isotope               | 211                | Radiation therapy          |
| 10                    | DT1397Z              | HDR Brachytherapy of Urethra using Cesium 137                | 211                | Radiation therapy          |
| 10                    | DT1398Z              | HDR Brachytherapy of Urethra using Iridium 192               | 211                | Radiation therapy          |
| 10                    | DT1399Z              | HDR Brachytherapy of Urethra using Iodine 125                | 211                | Radiation therapy          |
| 10                    | DT139BZ              | HDR Brachytherapy of Urethra using Palladium 103             | 211                | Radiation therapy          |
| 10                    | DT139CZ              | HDR Brachytherapy of Urethra using Californium 252           | 211                | Radiation therapy          |
| 10                    | DT139YZ              | HDR Brachytherapy of Urethra using Oth Isotope               | 211                | Radiation therapy          |
| 10                    | DT13B7Z              | LDR Brachytherapy of Urethra using Cesium 137                | 211                | Radiation therapy          |
| 10                    | DT13B8Z              | LDR Brachytherapy of Urethra using Iridium 192               | 211                | Radiation therapy          |
| 10                    | DT13B9Z              | LDR Brachytherapy of Urethra using Iodine 125                | 211                | Radiation therapy          |
| 10                    | DT13BBZ              | LDR Brachytherapy of Urethra using Palladium 103             | 211                | Radiation therapy          |
| 10                    | DT13BCZ              | LDR Brachytherapy of Urethra using Californium 252           | 211                | Radiation therapy          |
| 10                    | DT13BYZ              | LDR Brachytherapy of Urethra using Oth Isotope               | 211                | Radiation therapy          |
| 10                    | DT20DZZ              | Stereotactic Other Photon Radiosurgery of Kidney             | 211                | Radiation therapy          |
| 10                    | DT20HZZ              | Stereotactic Particulate Radiosurgery of Kidney              | 211                | Radiation therapy          |
| 10                    | DT20JZZ              | Stereotactic Gamma Beam Radiosurgery of Kidney               | 211                | Radiation therapy          |
| 10                    | DT21DZZ              | Stereotactic Other Photon Radiosurgery of Ureter             | 211                | Radiation therapy          |
| 10                    | DT21HZZ              | Stereotactic Particulate Radiosurgery of Ureter              | 211                | Radiation therapy          |
| 10                    | DT21JZZ              | Stereotactic Gamma Beam Radiosurgery of Ureter               | 211                | Radiation therapy          |
| 10                    | DT22DZZ              | Stereotactic Other Photon Radiosurgery of Bladder            | 211                | Radiation therapy          |
| 10                    | DT22HZZ              | Stereotactic Particulate Radiosurgery of Bladder             | 211                | Radiation therapy          |
| 10                    | DT22JZZ              | Stereotactic Gamma Beam Radiosurgery of Bladder              | 211                | Radiation therapy          |
| 10                    | DT23DZZ              | Stereotactic Other Photon Radiosurgery of Urethra            | 211                | Radiation therapy          |
| 10                    | DT23HZZ              | Stereotactic Particulate Radiosurgery of Urethra             | 211                | Radiation therapy          |
| 10                    | DT23JZZ              | Stereotactic Gamma Beam Radiosurgery of Urethra              | 211                | Radiation therapy          |
| 10                    | DTY07ZZ              | Contact Radiation of Kidney                                  | 211                | Radiation therapy          |
| 10                    | DTY08ZZ              | Hyperthermia of Kidney                                       | 211                | Radiation therapy          |
| 10                    | DTY0CZZ              | Intraoperative Radiation Therapy (IORT) of Kidney            | 211                | Radiation therapy          |
| 10                    | DTY0FZZ              | Plaque Radiation of Kidney                                   | 211                | Radiation therapy          |
| 10                    | DTY17ZZ              | Contact Radiation of Ureter                                  | 211                | Radiation therapy          |
| 10                    | DTY18ZZ              | Hyperthermia of Ureter                                       | 211                | Radiation therapy          |
| 10                    | DTY1CZZ              | Intraoperative Radiation Therapy (IORT) of Ureter            | 211                | Radiation therapy          |
| 10                    | DTY1FZZ              | Plaque Radiation of Ureter                                   | 211                | Radiation therapy          |
| 10                    | DTY27ZZ              | Contact Radiation of Bladder                                 | 211                | Radiation therapy          |
| 10                    | DTY28ZZ              | Hyperthermia of Bladder                                      | 211                | Radiation therapy          |
| 10                    | DTY2CZZ              | Intraoperative Radiation Therapy (IORT) of Bladder           | 211                | Radiation therapy          |
| 10                    | DTY2FZZ              | Plaque Radiation of Bladder                                  | 211                | Radiation therapy          |
| 10                    | DTY37ZZ              | Contact Radiation of Urethra                                 | 211                | Radiation therapy          |
| 10                    | DTY38ZZ              | Hyperthermia of Urethra                                      | 211                | Radiation therapy          |
| 10                    | DTY3CZZ              | Intraoperative Radiation Therapy (IORT) of Urethra           | 211                | Radiation therapy          |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DTY3FZZ              | Plaque Radiation of Urethra                                | 211                | Radiation therapy         |
| 10                    | DU000ZZ              | Beam Radiation of Ovary using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DU001ZZ              | Beam Radiation of Ovary using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DU002ZZ              | Beam Radiation of Ovary using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DU003Z0              | Beam Radiation of Ovary using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DU003ZZ              | Beam Radiation of Ovary using Electrons                    | 211                | Radiation therapy         |
| 10                    | DU004ZZ              | Beam Radiation of Ovary using Heavy Particles (Protons,Ion | 211                | Radiation therapy         |
| 10                    | DU005ZZ              | Beam Radiation of Ovary using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DU006ZZ              | Beam Radiation of Ovary using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DU010ZZ              | Beam Radiation of Cervix using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DU011ZZ              | Beam Radiation of Cervix using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DU012ZZ              | Beam Radiation of Cervix using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DU013Z0              | Beam Radiation of Cervix using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DU013ZZ              | Beam Radiation of Cervix using Electrons                   | 211                | Radiation therapy         |
| 10                    | DU014ZZ              | Beam Radiation of Cervix using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DU015ZZ              | Beam Radiation of Cervix using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DU016ZZ              | Beam Radiation of Cervix using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DU020ZZ              | Beam Radiation of Uterus using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DU021ZZ              | Beam Radiation of Uterus using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DU022ZZ              | Beam Radiation of Uterus using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DU023Z0              | Beam Radiation of Uterus using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DU023ZZ              | Beam Radiation of Uterus using Electrons                   | 211                | Radiation therapy         |
| 10                    | DU024ZZ              | Beam Radiation of Uterus using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DU025ZZ              | Beam Radiation of Uterus using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DU026ZZ              | Beam Radiation of Uterus using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DJ1097Z              | High Dose Rate (HDR) Brachytherapy of Ovary using Cesium 1 | 211                | Radiation therapy         |
| 10                    | DU1098Z              | HDR Brachytherapy of Ovary using Iridium 192               | 211                | Radiation therapy         |
| 10                    | DU1099Z              | High Dose Rate (HDR) Brachytherapy of Ovary using Iodine 1 | 211                | Radiation therapy         |
| 10                    | DU1098Z              | HDR Brachytherapy of Ovary using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DU109CZ              | HDR Brachytherapy of Ovary using Californium 252           | 211                | Radiation therapy         |
| 10                    | DU109YZ              | HDR Brachytherapy of Ovary using Oth Isotope               | 211                | Radiation therapy         |
| 10                    | DU1087Z              | Low Dose Rate (LDR) Brachytherapy of Ovary using Cesium 13 | 211                | Radiation therapy         |
| 10                    | DU1088Z              | Low Dose Rate (LDR) Brachytherapy of Ovary using Iridium 1 | 211                | Radiation therapy         |
| 10                    | DU1089Z              | Low Dose Rate (LDR) Brachytherapy of Ovary using Iodine 12 | 211                | Radiation therapy         |
| 10                    | DU1088Z              | LDR Brachytherapy of Ovary using Palladium 103             | 211                | Radiation therapy         |
| 10                    | DU108CZ              | LDR Brachytherapy of Ovary using Californium 252           | 211                | Radiation therapy         |
| 10                    | DU108YZ              | Low Dose Rate (LDR) Brachytherapy of Ovary using Oth Isoto | 211                | Radiation therapy         |
| 10                    | DU1197Z              | HDR Brachytherapy of Cervix using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DU1198Z              | HDR Brachytherapy of Cervix using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DU1199Z              | HDR Brachytherapy of Cervix using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DU1198Z              | HDR Brachytherapy of Cervix using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DU119CZ              | HDR Brachytherapy of Cervix using Californium 252          | 211                | Radiation therapy         |
| 10                    | DU119YZ              | HDR Brachytherapy of Cervix using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DU1187Z              | Low Dose Rate (LDR) Brachytherapy of Cervix using Cesium 1 | 211                | Radiation therapy         |
| 10                    | DU1188Z              | LDR Brachytherapy of Cervix using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DU1189Z              | Low Dose Rate (LDR) Brachytherapy of Cervix using Iodine 1 | 211                | Radiation therapy         |
| 10                    | DU1188Z              | LDR Brachytherapy of Cervix using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DU118CZ              | LDR Brachytherapy of Cervix using Californium 252          | 211                | Radiation therapy         |
| 10                    | DU118YZ              | LDR Brachytherapy of Cervix using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DU1297Z              | HDR Brachytherapy of Uterus using Cesium 137               | 211                | Radiation therapy         |
| 10                    | DJ1298Z              | HDR Brachytherapy of Uterus using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DU1299Z              | HDR Brachytherapy of Uterus using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DU1298Z              | HDR Brachytherapy of Uterus using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DU129CZ              | HDR Brachytherapy of Uterus using Californium 252          | 211                | Radiation therapy         |
| 10                    | DU129YZ              | HDR Brachytherapy of Uterus using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DU1287Z              | Low Dose Rate (LDR) Brachytherapy of Uterus using Cesium 1 | 211                | Radiation therapy         |
| 10                    | DU1288Z              | LDR Brachytherapy of Uterus using Iridium 192              | 211                | Radiation therapy         |
| 10                    | DU1289Z              | Low Dose Rate (LDR) Brachytherapy of Uterus using Iodine 1 | 211                | Radiation therapy         |
| 10                    | DU1288Z              | LDR Brachytherapy of Uterus using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DU128CZ              | LDR Brachytherapy of Uterus using Californium 252          | 211                | Radiation therapy         |
| 10                    | DU128YZ              | LDR Brachytherapy of Uterus using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DU200ZZ              | Stereotactic Other Photon Radiosurgery of Ovary            | 211                | Radiation therapy         |
| 10                    | DU20HZZ              | Stereotactic Particulate Radiosurgery of Ovary             | 211                | Radiation therapy         |
| 10                    | DU20JZZ              | Stereotactic Gamma Beam Radiosurgery of Ovary              | 211                | Radiation therapy         |
| 10                    | DU21DZZ              | Stereotactic Other Photon Radiosurgery of Cervix           | 211                | Radiation therapy         |
| 10                    | DU21HZZ              | Stereotactic Particulate Radiosurgery of Cervix            | 211                | Radiation therapy         |
| 10                    | DU21JZZ              | Stereotactic Gamma Beam Radiosurgery of Cervix             | 211                | Radiation therapy         |
| 10                    | DU22DZZ              | Stereotactic Other Photon Radiosurgery of Uterus           | 211                | Radiation therapy         |
| 10                    | DU22HZZ              | Stereotactic Particulate Radiosurgery of Uterus            | 211                | Radiation therapy         |
| 10                    | DU22JZZ              | Stereotactic Gamma Beam Radiosurgery of Uterus             | 211                | Radiation therapy         |
| 10                    | DUY07ZZ              | Contact Radiation of Ovary                                 | 211                | Radiation therapy         |
| 10                    | DUY08ZZ              | Hyperthermia of Ovary                                      | 211                | Radiation therapy         |
| 10                    | DUY0CZZ              | Intraoperative Radiation Therapy (IORT) of Ovary           | 211                | Radiation therapy         |
| 10                    | DUY0FZZ              | Plaque Radiation of Ovary                                  | 211                | Radiation therapy         |
| 10                    | DUY17ZZ              | Contact Radiation of Cervix                                | 211                | Radiation therapy         |
| 10                    | DUY18ZZ              | Hyperthermia of Cervix                                     | 211                | Radiation therapy         |
| 10                    | DUY1CZZ              | Intraoperative Radiation Therapy (IORT) of Cervix          | 211                | Radiation therapy         |
| 10                    | DUY1FZZ              | Plaque Radiation of Cervix                                 | 211                | Radiation therapy         |
| 10                    | DUY27ZZ              | Contact Radiation of Uterus                                | 211                | Radiation therapy         |
| 10                    | DUY28ZZ              | Hyperthermia of Uterus                                     | 211                | Radiation therapy         |
| 10                    | DUY2CZZ              | Intraoperative Radiation Therapy (IORT) of Uterus          | 211                | Radiation therapy         |
| 10                    | DUY2FZZ              | Plaque Radiation of Uterus                                 | 211                | Radiation therapy         |
| 10                    | DV000ZZ              | Beam Radiation of Prostate using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DV001ZZ              | Beam Radiation of Prostate using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DV002ZZ              | Beam Radiation of Prostate using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DV003Z0              | Beam Radiation of Prostate using Electrons, Intraoperative | 211                | Radiation therapy         |
| 10                    | DV003ZZ              | Beam Radiation of Prostate using Electrons                 | 211                | Radiation therapy         |
| 10                    | DV004ZZ              | Beam Radiation of Prostate using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DV005ZZ              | Beam Radiation of Prostate using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DV006ZZ              | Beam Radiation of Prostate using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DV010ZZ              | Beam Radiation of Testis using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DV011ZZ              | Beam Radiation of Testis using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DV012ZZ              | Beam Radiation of Testis using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DV013Z0              | Beam Radiation of Testis using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DV013ZZ              | Beam Radiation of Testis using Electrons                   | 211                | Radiation therapy         |
| 10                    | DV014ZZ              | Beam Radiation of Testis using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DV015ZZ              | Beam Radiation of Testis using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DV016ZZ              | Beam Radiation of Testis using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DV1097Z              | HDR Brachytherapy of Prostate using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DV1098Z              | HDR Brachytherapy of Prostate using Iridium 192            | 211                | Radiation therapy         |
| 10                    | DV1099Z              | HDR Brachytherapy of Prostate using Iodine 125             | 211                | Radiation therapy         |
| 10                    | DV1098Z              | HDR Brachytherapy of Prostate using Palladium 103          | 211                | Radiation therapy         |
| 10                    | DV109CZ              | HDR Brachytherapy of Prostate using Californium 252        | 211                | Radiation therapy         |
| 10                    | DV109YZ              | HDR Brachytherapy of Prostate using Oth Isotope            | 211                | Radiation therapy         |
| 10                    | DV1087Z              | LDR Brachytherapy of Prostate using Cesium 137             | 211                | Radiation therapy         |
| 10                    | DV1088Z              | LDR Brachytherapy of Prostate using Iridium 192            | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description  | AHRQ_Category_Code | AHRQ_Category_description |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DV1089Z              | LDR Brachytherapy of Prostate using Iodine 125               | 211                | Radiation therapy         |
| 10                    | DV1088Z              | LDR Brachytherapy of Prostate using Palladium 103            | 211                | Radiation therapy         |
| 10                    | DV108CZ              | LDR Brachytherapy of Prostate using Californium 252          | 211                | Radiation therapy         |
| 10                    | DV108YZ              | LDR Brachytherapy of Prostate using Oth Isotope              | 211                | Radiation therapy         |
| 10                    | DV1197Z              | HDR Brachytherapy of Testis using Cesium 137                 | 211                | Radiation therapy         |
| 10                    | DV1198Z              | HDR Brachytherapy of Testis using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DV1199Z              | HDR Brachytherapy of Testis using Iodine 125                 | 211                | Radiation therapy         |
| 10                    | DV1198Z              | HDR Brachytherapy of Testis using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DV119CZ              | HDR Brachytherapy of Testis using Californium 252            | 211                | Radiation therapy         |
| 10                    | DV119YZ              | HDR Brachytherapy of Testis using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DV1187Z              | Low Dose Rate (LDR) Brachytherapy of Testis using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DV1188Z              | LDR Brachytherapy of Testis using Iridium 192                | 211                | Radiation therapy         |
| 10                    | DV1189Z              | Low Dose Rate (LDR) Brachytherapy of Testis using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DV1188Z              | LDR Brachytherapy of Testis using Palladium 103              | 211                | Radiation therapy         |
| 10                    | DV118CZ              | LDR Brachytherapy of Testis using Californium 252            | 211                | Radiation therapy         |
| 10                    | DV118YZ              | LDR Brachytherapy of Testis using Oth Isotope                | 211                | Radiation therapy         |
| 10                    | DV202ZZ              | Stereotactic Other Photon Radiosurgery of Prostate           | 211                | Radiation therapy         |
| 10                    | DV20HZZ              | Stereotactic Particulate Radiosurgery of Prostate            | 211                | Radiation therapy         |
| 10                    | DV20JZZ              | Stereotactic Gamma Beam Radiosurgery of Prostate             | 211                | Radiation therapy         |
| 10                    | DV21DZZ              | Stereotactic Other Photon Radiosurgery of Testis             | 211                | Radiation therapy         |
| 10                    | DV21HZZ              | Stereotactic Particulate Radiosurgery of Testis              | 211                | Radiation therapy         |
| 10                    | DV21JZZ              | Stereotactic Gamma Beam Radiosurgery of Testis               | 211                | Radiation therapy         |
| 10                    | DVY07ZZ              | Contact Radiation of Prostate                                | 211                | Radiation therapy         |
| 10                    | DVY08ZZ              | Hyperthermia of Prostate                                     | 211                | Radiation therapy         |
| 10                    | DVY0CZZ              | Intraoperative Radiation Therapy (IORT) of Prostate          | 211                | Radiation therapy         |
| 10                    | DVY0FZZ              | Plaque Radiation of Prostate                                 | 211                | Radiation therapy         |
| 10                    | DVY0KZZ              | Laser Interstitial Thermal Therapy of Prostate               | 211                | Radiation therapy         |
| 10                    | DVY17ZZ              | Contact Radiation of Testis                                  | 211                | Radiation therapy         |
| 10                    | DVY18ZZ              | Hyperthermia of Testis                                       | 211                | Radiation therapy         |
| 10                    | DVY1FZZ              | Plaque Radiation of Testis                                   | 211                | Radiation therapy         |
| 10                    | DW010ZZ              | Beam Radiation of Head and Neck using Photons <1 MeV         | 211                | Radiation therapy         |
| 10                    | DW011ZZ              | Beam Radiation of Head and Neck using Photons 1 - 10 MeV     | 211                | Radiation therapy         |
| 10                    | DW012ZZ              | Beam Radiation of Head and Neck using Photons >10 MeV        | 211                | Radiation therapy         |
| 10                    | DW013Z0              | Beam Radiation of Head and Neck using Electrons, Intraop     | 211                | Radiation therapy         |
| 10                    | DW013ZZ              | Beam Radiation of Head and Neck using Electrons              | 211                | Radiation therapy         |
| 10                    | DW014ZZ              | Beam Radiation of Head and Neck using Heavy Particles        | 211                | Radiation therapy         |
| 10                    | DW015ZZ              | Beam Radiation of Head and Neck using Neutrons               | 211                | Radiation therapy         |
| 10                    | DW016ZZ              | Beam Radiation of Head and Neck using Neutron Capture        | 211                | Radiation therapy         |
| 10                    | DW020ZZ              | Beam Radiation of Chest using Photons <1 MeV                 | 211                | Radiation therapy         |
| 10                    | DW021ZZ              | Beam Radiation of Chest using Photons 1 - 10 MeV             | 211                | Radiation therapy         |
| 10                    | DW022ZZ              | Beam Radiation of Chest using Photons >10 MeV                | 211                | Radiation therapy         |
| 10                    | DW023Z0              | Beam Radiation of Chest using Electrons, Intraoperative      | 211                | Radiation therapy         |
| 10                    | DW023ZZ              | Beam Radiation of Chest using Electrons                      | 211                | Radiation therapy         |
| 10                    | DW024ZZ              | Beam Radiation of Chest using Heavy Particles (Protons,Ion   | 211                | Radiation therapy         |
| 10                    | DW025ZZ              | Beam Radiation of Chest using Neutrons                       | 211                | Radiation therapy         |
| 10                    | DW026ZZ              | Beam Radiation of Chest using Neutron Capture                | 211                | Radiation therapy         |
| 10                    | DW030ZZ              | Beam Radiation of Abdomen using Photons <1 MeV               | 211                | Radiation therapy         |
| 10                    | DW031ZZ              | Beam Radiation of Abdomen using Photons 1 - 10 MeV           | 211                | Radiation therapy         |
| 10                    | DW032ZZ              | Beam Radiation of Abdomen using Photons >10 MeV              | 211                | Radiation therapy         |
| 10                    | DW033Z0              | Beam Radiation of Abdomen using Electrons, Intraoperative    | 211                | Radiation therapy         |
| 10                    | DW033ZZ              | Beam Radiation of Abdomen using Electrons                    | 211                | Radiation therapy         |
| 10                    | DW034ZZ              | Beam Radiation of Abdomen using Heavy Particles              | 211                | Radiation therapy         |
| 10                    | DW035ZZ              | Beam Radiation of Abdomen using Neutrons                     | 211                | Radiation therapy         |
| 10                    | DW036ZZ              | Beam Radiation of Abdomen using Neutron Capture              | 211                | Radiation therapy         |
| 10                    | DW040ZZ              | Beam Radiation of Hemibody using Photons <1 MeV              | 211                | Radiation therapy         |
| 10                    | DW041ZZ              | Beam Radiation of Hemibody using Photons 1 - 10 MeV          | 211                | Radiation therapy         |
| 10                    | DW042ZZ              | Beam Radiation of Hemibody using Photons >10 MeV             | 211                | Radiation therapy         |
| 10                    | DW043Z0              | Beam Radiation of Hemibody using Electrons, Intraoperative   | 211                | Radiation therapy         |
| 10                    | DW043ZZ              | Beam Radiation of Hemibody using Electrons                   | 211                | Radiation therapy         |
| 10                    | DW044ZZ              | Beam Radiation of Hemibody using Heavy Particles             | 211                | Radiation therapy         |
| 10                    | DW045ZZ              | Beam Radiation of Hemibody using Neutrons                    | 211                | Radiation therapy         |
| 10                    | DW046ZZ              | Beam Radiation of Hemibody using Neutron Capture             | 211                | Radiation therapy         |
| 10                    | DW050ZZ              | Beam Radiation of Whole Body using Photons <1 MeV            | 211                | Radiation therapy         |
| 10                    | DW051ZZ              | Beam Radiation of Whole Body using Photons 1 - 10 MeV        | 211                | Radiation therapy         |
| 10                    | DW052ZZ              | Beam Radiation of Whole Body using Photons >10 MeV           | 211                | Radiation therapy         |
| 10                    | DW053Z0              | Beam Radiation of Whole Body using Electrons, Intraoperati   | 211                | Radiation therapy         |
| 10                    | DW053ZZ              | Beam Radiation of Whole Body using Electrons                 | 211                | Radiation therapy         |
| 10                    | DW054ZZ              | Beam Radiation of Whole Body using Heavy Particles           | 211                | Radiation therapy         |
| 10                    | DW055ZZ              | Beam Radiation of Whole Body using Neutrons                  | 211                | Radiation therapy         |
| 10                    | DW056ZZ              | Beam Radiation of Whole Body using Neutron Capture           | 211                | Radiation therapy         |
| 10                    | DW060ZZ              | Beam Radiation of Pelvic Region using Photons <1 MeV         | 211                | Radiation therapy         |
| 10                    | DW061ZZ              | Beam Radiation of Pelvic Region using Photons 1 - 10 MeV     | 211                | Radiation therapy         |
| 10                    | DW062ZZ              | Beam Radiation of Pelvic Region using Photons >10 MeV        | 211                | Radiation therapy         |
| 10                    | DW063Z0              | Beam Radiation of Pelvic Region using Electrons, Intraop     | 211                | Radiation therapy         |
| 10                    | DW063ZZ              | Beam Radiation of Pelvic Region using Electrons              | 211                | Radiation therapy         |
| 10                    | DW064ZZ              | Beam Radiation of Pelvic Region using Heavy Particles        | 211                | Radiation therapy         |
| 10                    | DW065ZZ              | Beam Radiation of Pelvic Region using Neutrons               | 211                | Radiation therapy         |
| 10                    | DW066ZZ              | Beam Radiation of Pelvic Region using Neutron Capture        | 211                | Radiation therapy         |
| 10                    | DW1197Z              | HDR Brachytherapy of Head & Neck using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DW1198Z              | HDR Brachytherapy of Head & Neck using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DW1199Z              | HDR Brachytherapy of Head & Neck using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DW1198Z              | HDR Brachytherapy of Head & Neck using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DW119CZ              | HDR Brachytherapy of Head & Neck using Californium 252       | 211                | Radiation therapy         |
| 10                    | DW119YZ              | HDR Brachytherapy of Head & Neck using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DW1187Z              | LDR Brachytherapy of Head & Neck using Cesium 137            | 211                | Radiation therapy         |
| 10                    | DW1188Z              | LDR Brachytherapy of Head & Neck using Iridium 192           | 211                | Radiation therapy         |
| 10                    | DW1189Z              | LDR Brachytherapy of Head & Neck using Iodine 125            | 211                | Radiation therapy         |
| 10                    | DW1188Z              | LDR Brachytherapy of Head & Neck using Palladium 103         | 211                | Radiation therapy         |
| 10                    | DW118CZ              | LDR Brachytherapy of Head & Neck using Californium 252       | 211                | Radiation therapy         |
| 10                    | DW118YZ              | LDR Brachytherapy of Head & Neck using Oth Isotope           | 211                | Radiation therapy         |
| 10                    | DW1297Z              | High Dose Rate (HDR) Brachytherapy of Chest using Cesium 137 | 211                | Radiation therapy         |
| 10                    | DW1298Z              | HDR Brachytherapy of Chest using Iridium 192                 | 211                | Radiation therapy         |
| 10                    | DW1299Z              | High Dose Rate (HDR) Brachytherapy of Chest using Iodine 125 | 211                | Radiation therapy         |
| 10                    | DW1298Z              | HDR Brachytherapy of Chest using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DW129CZ              | HDR Brachytherapy of Chest using Californium 252             | 211                | Radiation therapy         |
| 10                    | DW129YZ              | HDR Brachytherapy of Chest using Oth Isotope                 | 211                | Radiation therapy         |
| 10                    | DW1287Z              | Low Dose Rate (LDR) Brachytherapy of Chest using Cesium 137  | 211                | Radiation therapy         |
| 10                    | DW1288Z              | Low Dose Rate (LDR) Brachytherapy of Chest using Iridium 192 | 211                | Radiation therapy         |
| 10                    | DW1289Z              | Low Dose Rate (LDR) Brachytherapy of Chest using Iodine 125  | 211                | Radiation therapy         |
| 10                    | DW1288Z              | LDR Brachytherapy of Chest using Palladium 103               | 211                | Radiation therapy         |
| 10                    | DW128CZ              | LDR Brachytherapy of Chest using Californium 252             | 211                | Radiation therapy         |
| 10                    | DW128YZ              | Low Dose Rate (LDR) Brachytherapy of Chest using Oth Isotope | 211                | Radiation therapy         |
| 10                    | DW1397Z              | High Dose Rate (HDR) Brachytherapy of Abd using Cesium 137   | 211                | Radiation therapy         |
| 10                    | DW1398Z              | High Dose Rate (HDR) Brachytherapy of Abd using Iridium 192  | 211                | Radiation therapy         |
| 10                    | DW1399Z              | High Dose Rate (HDR) Brachytherapy of Abd using Iodine 125   | 211                | Radiation therapy         |
| 10                    | DW1398Z              | HDR Brachytherapy of Abd using Palladium 103                 | 211                | Radiation therapy         |

The list of ICD-10 codes used to identify planned readmissions

| Procedure_ICD_Version | Procedure_Code_value | Procedure_Description                                      | AHRQ_Category_Code | AHRQ_Category_decription_ |
|-----------------------|----------------------|--|--------------------|---------------------------|
| 10                    | DW139CZ              | HDR Brachytherapy of Abd using Californium 252             | 211                | Radiation therapy         |
| 10                    | DW139YZ              | High Dose Rate (HDR) Brachytherapy of Abd using Oth Isotop | 211                | Radiation therapy         |
| 10                    | DW1387Z              | Low Dose Rate (LDR) Brachytherapy of Abd using Cesium 137  | 211                | Radiation therapy         |
| 10                    | DW1388Z              | Low Dose Rate (LDR) Brachytherapy of Abd using Iridium 192 | 211                | Radiation therapy         |
| 10                    | DW1389Z              | Low Dose Rate (LDR) Brachytherapy of Abd using Iodine 125  | 211                | Radiation therapy         |
| 10                    | DW138BZ              | Low Dose Rate (LDR) Brachytherapy of Abd using Palladium 1 | 211                | Radiation therapy         |
| 10                    | DW138CZ              | LDR Brachytherapy of Abd using Californium 252             | 211                | Radiation therapy         |
| 10                    | DW138YZ              | Low Dose Rate (LDR) Brachytherapy of Abd using Oth Isotope | 211                | Radiation therapy         |
| 10                    | DW1697Z              | HDR Brachytherapy of Pelvic Region using Cesium 137        | 211                | Radiation therapy         |
| 10                    | DW1698Z              | HDR Brachytherapy of Pelvic Region using Iridium 192       | 211                | Radiation therapy         |
| 10                    | DW1699Z              | HDR Brachytherapy of Pelvic Region using Iodine 125        | 211                | Radiation therapy         |
| 10                    | DW1698Z              | HDR Brachytherapy of Pelvic Region using Palladium 103     | 211                | Radiation therapy         |
| 10                    | DW169CZ              | HDR Brachytherapy of Pelvic Region using Californium 252   | 211                | Radiation therapy         |
| 10                    | DW169YZ              | HDR Brachytherapy of Pelvic Region using Oth Isotope       | 211                | Radiation therapy         |
| 10                    | DW1687Z              | LDR Brachytherapy of Pelvic Region using Cesium 137        | 211                | Radiation therapy         |
| 10                    | DW1688Z              | LDR Brachytherapy of Pelvic Region using Iridium 192       | 211                | Radiation therapy         |
| 10                    | DW1689Z              | LDR Brachytherapy of Pelvic Region using Iodine 125        | 211                | Radiation therapy         |
| 10                    | DW168BZ              | LDR Brachytherapy of Pelvic Region using Palladium 103     | 211                | Radiation therapy         |
| 10                    | DW168CZ              | LDR Brachytherapy of Pelvic Region using Californium 252   | 211                | Radiation therapy         |
| 10                    | DW168YZ              | LDR Brachytherapy of Pelvic Region using Oth Isotope       | 211                | Radiation therapy         |
| 10                    | DW21DZZ              | Stereotactic Other Photon Radiosurgery of Head and Neck    | 211                | Radiation therapy         |
| 10                    | DW21HZZ              | Stereotactic Particulate Radiosurgery of Head and Neck     | 211                | Radiation therapy         |
| 10                    | DW21JZZ              | Stereotactic Gamma Beam Radiosurgery of Head and Neck      | 211                | Radiation therapy         |
| 10                    | DW22DZZ              | Stereotactic Other Photon Radiosurgery of Chest            | 211                | Radiation therapy         |
| 10                    | DW22HZZ              | Stereotactic Particulate Radiosurgery of Chest             | 211                | Radiation therapy         |
| 10                    | DW22JZZ              | Stereotactic Gamma Beam Radiosurgery of Chest              | 211                | Radiation therapy         |
| 10                    | DW23DZZ              | Stereotactic Other Photon Radiosurgery of Abdomen          | 211                | Radiation therapy         |
| 10                    | DW23HZZ              | Stereotactic Particulate Radiosurgery of Abdomen           | 211                | Radiation therapy         |
| 10                    | DW23JZZ              | Stereotactic Gamma Beam Radiosurgery of Abdomen            | 211                | Radiation therapy         |
| 10                    | DW26DZZ              | Stereotactic Other Photon Radiosurgery of Pelvic Region    | 211                | Radiation therapy         |
| 10                    | DW26HZZ              | Stereotactic Particulate Radiosurgery of Pelvic Region     | 211                | Radiation therapy         |
| 10                    | DW26JZZ              | Stereotactic Gamma Beam Radiosurgery of Pelvic Region      | 211                | Radiation therapy         |
| 10                    | DWY17ZZ              | Contact Radiation of Head and Neck                         | 211                | Radiation therapy         |
| 10                    | DWY18ZZ              | Hyperthermia of Head and Neck                              | 211                | Radiation therapy         |
| 10                    | DWY1FZZ              | Plaque Radiation of Head and Neck                          | 211                | Radiation therapy         |
| 10                    | DWY27ZZ              | Contact Radiation of Chest                                 | 211                | Radiation therapy         |
| 10                    | DWY28ZZ              | Hyperthermia of Chest                                      | 211                | Radiation therapy         |
| 10                    | DWY2FZZ              | Plaque Radiation of Chest                                  | 211                | Radiation therapy         |
| 10                    | DWY37ZZ              | Contact Radiation of Abdomen                               | 211                | Radiation therapy         |
| 10                    | DWY38ZZ              | Hyperthermia of Abdomen                                    | 211                | Radiation therapy         |
| 10                    | DWY3FZZ              | Plaque Radiation of Abdomen                                | 211                | Radiation therapy         |
| 10                    | DWY47ZZ              | Contact Radiation of Hemibody                              | 211                | Radiation therapy         |
| 10                    | DWY48ZZ              | Hyperthermia of Hemibody                                   | 211                | Radiation therapy         |
| 10                    | DWY4FZZ              | Plaque Radiation of Hemibody                               | 211                | Radiation therapy         |
| 10                    | DWY57ZZ              | Contact Radiation of Whole Body                            | 211                | Radiation therapy         |
| 10                    | DWY58ZZ              | Hyperthermia of Whole Body                                 | 211                | Radiation therapy         |
| 10                    | DWY5FZZ              | Plaque Radiation of Whole Body                             | 211                | Radiation therapy         |
| 10                    | DWY5GDZ              | Isotope Administration to Whole Body using Iodine 131      | 211                | Radiation therapy         |
| 10                    | DWY5GFZ              | Isotope Administration to Whole Body using Phosphorus 32   | 211                | Radiation therapy         |
| 10                    | DWY5GGZ              | Isotope Administration to Whole Body using Strontium 89    | 211                | Radiation therapy         |
| 10                    | DWY5GHZ              | Isotope Administration to Whole Body using Strontium 90    | 211                | Radiation therapy         |
| 10                    | DWY5GYZ              | Isotope Administration to Whole Body using Other Isotope   | 211                | Radiation therapy         |
| 10                    | DWY67ZZ              | Contact Radiation of Pelvic Region                         | 211                | Radiation therapy         |
| 10                    | DWY68ZZ              | Hyperthermia of Pelvic Region                              | 211                | Radiation therapy         |
| 10                    | DWY6FZZ              | Plaque Radiation of Pelvic Region                          | 211                | Radiation therapy         |
| 10                    | GZB0ZZZ              | Electroconvulsive Therapy, Unilateral-Single Seizure       | 218                | Psychological and         |
| 10                    | GZB1ZZZ              | Electroconvulsive Therapy, Unilateral-Multiple Seizure     | 218                | Psychological and         |
| 10                    | GZB2ZZZ              | Electroconvulsive Therapy, Bilateral-Single Seizure        | 218                | Psychological and         |
| 10                    | GZB3ZZZ              | Electroconvulsive Therapy, Bilateral-Multiple Seizure      | 218                | Psychological and         |
| 10                    | GZB4ZZZ              | Other Electroconvulsive Therapy                            | 218                | Psychological and         |
| 10                    | X2C0361              | Extirpate matter from 1 Cor Art, Orbit Athrect, New Tech 1 | 49                 | Other OR heart pr         |
| 10                    | X2C1361              | Extirpate matter from 2 Cor Art, Orbit Athrect, New Tech 1 | 49                 | Other OR heart pr         |
| 10                    | X2C2361              | Extirpate matter from 3 Cor Art, Orbit Athrect, New Tech 1 | 49                 | Other OR heart pr         |
| 10                    | X2C3361              | Extirpate matter from 4+ Cor Art, Orbit Athrect, New Tech  | 49                 | Other OR heart pr         |
| 10                    | X2RF032              | Replace Aort Valve w Zoopl Rapid Depl, Open, New Tech 2    | 43                 | Heart valve proce         |
| 10                    | X2RF332              | Replace Aort Valve w Zoopl Rapid Depl, Perc, New Tech 2    | 43                 | Heart valve proce         |
| 10                    | X2RF432              | Replace Aort Valve w Zoopl Rapid Depl, Perc Endo, New Tech | 43                 | Heart valve proce         |
| 10                    | XHRPX12              | Replace Skin w Porc Livr Sub, Extern, New Tech 2           | 172                | Skin graft                |
| 10                    | XR2G021              | Monitor R Knee Jt w Intraop Knee Sens, Open, New Tech 1    | 159                | Other diagnostic          |
| 10                    | XR2H021              | Monitor L Knee Jt w Intraop Knee Sens, Open, New Tech 1    | 159                | Other diagnostic          |
| 10                    | XRG0092              | Fusion Occip Jt w Nano Intbd Dev, Open, New Tech 2         | 158                | Spinal fusion             |
| 10                    | XRG1092              | Fusion Cerv Jt w Nano Intbd Dev, Open, New Tech 2          | 158                | Spinal fusion             |
| 10                    | XRG2092              | Fusion 2-6 C Jt w Nano Intbd Dev, Open, New Tech 2         | 158                | Spinal fusion             |
| 10                    | XRG4092              | Fusion C-thor Jt w Nano Intbd Dev, Open, New Tech 2        | 158                | Spinal fusion             |
| 10                    | XRG6092              | Fusion Thor Jt w Nano Intbd Dev, Open, New Tech 2          | 158                | Spinal fusion             |
| 10                    | XRG7092              | Fusion 2-7 T Jt w Nano Intbd Dev, Open, New Tech 2         | 158                | Spinal fusion             |
| 10                    | XRG8092              | Fusion >7 T Jt w Nano Intbd Dev, Open, New Tech 2          | 158                | Spinal fusion             |
| 10                    | XRGA092              | Fusion T-lum Jt w Nano Intbd Dev, Open, New Tech 2         | 158                | Spinal fusion             |
| 10                    | XRGA092              | Fusion Lum Jt w Nano Intbd Dev, Open, New Tech 2           | 158                | Spinal fusion             |
| 10                    | XRGC092              | Fusion 2-4 L Jt w Nano Intbd Dev, Open, New Tech 2         | 158                | Spinal fusion             |
| 10                    | XRGD092              | Fusion Lum Sac Jt w Nano Intbd Dev, Open, New Tech 2       | 158                | Spinal fusion             |
| 10                    | XW03351              | Introduce Blinatumomab in Periph Vein, Perc, New Tech 1    | 224                | Cancer chemothera         |
| 10                    | XW04351              | Introduce Blinatumomab in Central Vein, Perc, New Tech 1   | 224                | Cancer chemothera         |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                 |
|-------------|-----------------------------|-----------|---|
| 0010        | CHOLERA D/T VIB CHOLERA     | 6         | Other Infectious Diseases                       |
| 0011        | CHOLERA D/T VIB EL TOR      | 6         | Other Infectious Diseases                       |
| 0019        | CHOLERA NOS                 | 6         | Other Infectious Diseases                       |
| 0020        | TYPHOID FEVER               | 6         | Other Infectious Diseases                       |
| 0021        | PARATYPHOID FEVER A         | 6         | Other Infectious Diseases                       |
| 0022        | PARATYPHOID FEVER B         | 6         | Other Infectious Diseases                       |
| 0023        | PARATYPHOID FEVER C         | 6         | Other Infectious Diseases                       |
| 0029        | PARATYPHOID FEVER NOS       | 6         | Other Infectious Diseases                       |
| 0031        | SALMONELLA SEPTICEMIA       | 2         | Septicemia/Shock                                |
| 00321       | SALMONELLA MENINGITIS       | 3         | Central Nervous System Infection                |
| 00322       | SALMONELLA PNEUMONIA        | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0050        | STAPH FOOD POISONING        | 6         | Other Infectious Diseases                       |
| 0051        | BOTULISM FOOD POISONING     | 6         | Other Infectious Diseases                       |
| 0052        | FOOD POIS D/T C. PERFRIN    | 6         | Other Infectious Diseases                       |
| 0053        | FOOD POIS: CLOSTRID NEC     | 6         | Other Infectious Diseases                       |
| 0054        | FOOD POIS: V. PARAHAEM      | 6         | Other Infectious Diseases                       |
| 00581       | FOOD POISN D/T V. VULNIF    | 6         | Other Infectious Diseases                       |
| 00589       | BACT FOOD POISONING NEC     | 6         | Other Infectious Diseases                       |
| 0059        | FOOD POISONING NOS          | 6         | Other Infectious Diseases                       |
| 0060        | AC AMEBIASIS W/O ABSCESS    | 6         | Other Infectious Diseases                       |
| 0061        | CHR AMEBIASIS W/O ABSCES    | 6         | Other Infectious Diseases                       |
| 0062        | AMEBIC NONDYSENT COLITIS    | 6         | Other Infectious Diseases                       |
| 0064        | AMEBIC LUNG ABSCESS         | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0065        | AMEBIC BRAIN ABSCESS        | 3         | Central Nervous System Infection                |
| 0068        | AMEBIC INFECTION NEC        | 6         | Other Infectious Diseases                       |
| 0069        | AMEBIASIS NOS               | 6         | Other Infectious Diseases                       |
| 0070        | BALANTIDIASIS               | 6         | Other Infectious Diseases                       |
| 0071        | GIARDIASIS                  | 6         | Other Infectious Diseases                       |
| 0072        | COCCIDIOSIS                 | 6         | Other Infectious Diseases                       |
| 0073        | INTEST TRICHOMONIASIS       | 6         | Other Infectious Diseases                       |
| 0074        | CRYPTOSPORIDIOSIS           | 5         | Opportunistic Infections                        |
| 0075        | CYCLOSPORIASIS              | 6         | Other Infectious Diseases                       |
| 0078        | PROTOZOAL INTEST DIS NEC    | 6         | Other Infectious Diseases                       |
| 0079        | PROTOZOAL INTEST DIS NOS    | 6         | Other Infectious Diseases                       |
| 00861       | INTES INFEC ROTAVIRUS       | 6         | Other Infectious Diseases                       |
| 00862       | INTES INFEC ADENOVIRUS      | 6         | Other Infectious Diseases                       |
| 00863       | INT INF NORWALK VIRUS       | 6         | Other Infectious Diseases                       |
| 00864       | INT INF OTH SML RND VRUS    | 6         | Other Infectious Diseases                       |
| 00865       | INTES INFEC CALCIVIRUS      | 6         | Other Infectious Diseases                       |
| 00866       | INTES INFEC ASTROVIRUS      | 6         | Other Infectious Diseases                       |
| 00867       | INT INF ENTEROVIRUS NEC     | 6         | Other Infectious Diseases                       |
| 00869       | OTHER VIRAL INTES INFEC     | 6         | Other Infectious Diseases                       |
| 0088        | VIRAL ENTERITIS NOS         | 6         | Other Infectious Diseases                       |
| 0090        | INFECTIOUS ENTERITIS NOS    | 6         | Other Infectious Diseases                       |
| 0091        | ENTERITIS OF INFECT ORIG    | 6         | Other Infectious Diseases                       |
| 0092        | INFECTIOUS DIARRHEA NOS     | 6         | Other Infectious Diseases                       |
| 0093        | DIARRHEA OF INFECT ORIG     | 6         | Other Infectious Diseases                       |
| 01000       | PRIM TB COMPLEX-UNSPEC      | 4         | Tuberculosis                                    |
| 01001       | PRIM TB COMPLEX-NO EXAM     | 4         | Tuberculosis                                    |
| 01002       | PRIM TB COMPLEX-EXM UNKN    | 4         | Tuberculosis                                    |
| 01003       | PRIM TB COMPLEX-MICRO DX    | 4         | Tuberculosis                                    |
| 01004       | PRIM TB COMPLEX-CULT DX     | 4         | Tuberculosis                                    |
| 01005       | PRIM TB COMPLEX-HISTO DX    | 4         | Tuberculosis                                    |
| 01006       | PRIM TB COMPLEX-OTH TEST    | 4         | Tuberculosis                                    |
| 01010       | PRIM TB PLEURISY-UNSPEC     | 4         | Tuberculosis                                    |
| 01011       | PRIM TB PLEURISY-NO EXAM    | 4         | Tuberculosis                                    |
| 01012       | PRIM TB PLEUR-EXAM UNKN     | 4         | Tuberculosis                                    |
| 01013       | PRIM TB PLEURIS-MICRO DX    | 4         | Tuberculosis                                    |
| 01014       | PRIM TB PLEURISY-CULT DX    | 4         | Tuberculosis                                    |
| 01015       | PRIM TB PLEURIS-HISTO DX    | 4         | Tuberculosis                                    |
| 01016       | PRIM TB PLEURIS-OTH TEST    | 4         | Tuberculosis                                    |
| 01080       | PRIM PROG TB NEC-UNSPEC     | 4         | Tuberculosis                                    |
| 01081       | PRIM PROG TB NEC-NO EXAM    | 4         | Tuberculosis                                    |
| 01082       | PRIM PR TB NEC-EXAM UNKN    | 4         | Tuberculosis                                    |
| 01083       | PRIM PRG TB NEC-MICRO DX    | 4         | Tuberculosis                                    |
| 01084       | PRIM PROG TB NEC-CULT DX    | 4         | Tuberculosis                                    |
| 01085       | PRIM PRG TB NEC-HISTO DX    | 4         | Tuberculosis                                    |
| 01086       | PRIM PRG TB NEC-OTH TEST    | 4         | Tuberculosis                                    |
| 01090       | PRIMARY TB NOS-UNSPEC       | 4         | Tuberculosis                                    |
| 01091       | PRIMARY TB NOS-NO EXAM      | 4         | Tuberculosis                                    |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b> |
|-------------|-----------------------------|-----------|-----------------|
| 01092       | PRIMARY TB NOS-EXAM UNKN    | 4         | Tuberculosis    |
| 01093       | PRIMARY TB NOS-MICRO DX     | 4         | Tuberculosis    |
| 01094       | PRIMARY TB NOS-CULT DX      | 4         | Tuberculosis    |
| 01095       | PRIMARY TB NOS-HISTO DX     | 4         | Tuberculosis    |
| 01096       | PRIMARY TB NOS-OTH TEST     | 4         | Tuberculosis    |
| 01100       | TB LUNG INFILTR-UNSPEC      | 4         | Tuberculosis    |
| 01101       | TB LUNG INFILTR-NO EXAM     | 4         | Tuberculosis    |
| 01102       | TB LUNG INFILTR-EXM UNKN    | 4         | Tuberculosis    |
| 01103       | TB LUNG INFILTR-MICRO DX    | 4         | Tuberculosis    |
| 01104       | TB LUNG INFILTR-CULT DX     | 4         | Tuberculosis    |
| 01105       | TB LUNG INFILTR-HISTO DX    | 4         | Tuberculosis    |
| 01106       | TB LUNG INFILTR-OTH TEST    | 4         | Tuberculosis    |
| 01110       | TB LUNG NODULAR-UNSPEC      | 4         | Tuberculosis    |
| 01111       | TB LUNG NODULAR-NO EXAM     | 4         | Tuberculosis    |
| 01112       | TB LUNG NODUL-EXAM UNKN     | 4         | Tuberculosis    |
| 01113       | TB LUNG NODULAR-MICRO DX    | 4         | Tuberculosis    |
| 01114       | TB LUNG NODULAR-CULT DX     | 4         | Tuberculosis    |
| 01115       | TB LUNG NODULAR-HISTO DX    | 4         | Tuberculosis    |
| 01116       | TB LUNG NODULAR-OTH TEST    | 4         | Tuberculosis    |
| 01120       | TB LUNG W CAVITY-UNSPEC     | 4         | Tuberculosis    |
| 01121       | TB LUNG W CAVITY-NO EXAM    | 4         | Tuberculosis    |
| 01122       | TB LUNG CAVITY-EXAM UNKN    | 4         | Tuberculosis    |
| 01123       | TB LUNG W CAVIT-MICRO DX    | 4         | Tuberculosis    |
| 01124       | TB LUNG W CAVITY-CULT DX    | 4         | Tuberculosis    |
| 01125       | TB LUNG W CAVIT-HISTO DX    | 4         | Tuberculosis    |
| 01126       | TB LUNG W CAVIT-OTH TEST    | 4         | Tuberculosis    |
| 01130       | TB OF BRONCHUS-UNSPEC       | 4         | Tuberculosis    |
| 01131       | TB OF BRONCHUS-NO EXAM      | 4         | Tuberculosis    |
| 01132       | TB OF BRONCHUS-EXAM UNKN    | 4         | Tuberculosis    |
| 01133       | TB OF BRONCHUS-MICRO DX     | 4         | Tuberculosis    |
| 01134       | TB OF BRONCHUS-CULT DX      | 4         | Tuberculosis    |
| 01135       | TB OF BRONCHUS-HISTO DX     | 4         | Tuberculosis    |
| 01136       | TB OF BRONCHUS-OTH TEST     | 4         | Tuberculosis    |
| 01140       | TB LUNG FIBROSIS-UNSPEC     | 4         | Tuberculosis    |
| 01141       | TB LUNG FIBROSIS-NO EXAM    | 4         | Tuberculosis    |
| 01142       | TB LUNG FIBROS-EXAM UNKN    | 4         | Tuberculosis    |
| 01143       | TB LUNG FIBROS-MICRO DX     | 4         | Tuberculosis    |
| 01144       | TB LUNG FIBROSIS-CULT DX    | 4         | Tuberculosis    |
| 01145       | TB LUNG FIBROS-HISTO DX     | 4         | Tuberculosis    |
| 01146       | TB LUNG FIBROS-OTH TEST     | 4         | Tuberculosis    |
| 01150       | TB BRONCHIECTASIS-UNSPEC    | 4         | Tuberculosis    |
| 01151       | TB BRONCHIECT-NO EXAM       | 4         | Tuberculosis    |
| 01152       | TB BRONCHIECT-EXAM UNKN     | 4         | Tuberculosis    |
| 01153       | TB BRONCHIECT-MICRO DX      | 4         | Tuberculosis    |
| 01154       | TB BRONCHIECT-CULT DX       | 4         | Tuberculosis    |
| 01155       | TB BRONCHIECT-HISTO DX      | 4         | Tuberculosis    |
| 01156       | TB BRONCHIECT-OTH TEST      | 4         | Tuberculosis    |
| 01160       | TB PNEUMONIA-UNSPEC         | 4         | Tuberculosis    |
| 01161       | TB PNEUMONIA-NO EXAM        | 4         | Tuberculosis    |
| 01162       | TB PNEUMONIA-EXAM UNKN      | 4         | Tuberculosis    |
| 01163       | TB PNEUMONIA-MICRO DX       | 4         | Tuberculosis    |
| 01164       | TB PNEUMONIA-CULT DX        | 4         | Tuberculosis    |
| 01165       | TB PNEUMONIA-HISTO DX       | 4         | Tuberculosis    |
| 01166       | TB PNEUMONIA-OTH TEST       | 4         | Tuberculosis    |
| 01170       | TB PNEUMOTHORAX-UNSPEC      | 4         | Tuberculosis    |
| 01171       | TB PNEUMOTHORAX-NO EXAM     | 4         | Tuberculosis    |
| 01172       | TB PNEUMOTHORX-EXAM UNKN    | 4         | Tuberculosis    |
| 01173       | TB PNEUMOTHORAX-MICRO DX    | 4         | Tuberculosis    |
| 01174       | TB PNEUMOTHORAX-CULT DX     | 4         | Tuberculosis    |
| 01175       | TB PNEUMOTHORAX-HISTO DX    | 4         | Tuberculosis    |
| 01176       | TB PNEUMOTHORAX-OTH TEST    | 4         | Tuberculosis    |
| 01180       | PULMONARY TB NEC-UNSPEC     | 4         | Tuberculosis    |
| 01181       | PULMONARY TB NEC-NO EXAM    | 4         | Tuberculosis    |
| 01182       | PULMON TB NEC-EXAM UNKN     | 4         | Tuberculosis    |
| 01183       | PULMON TB NEC-MICRO DX      | 4         | Tuberculosis    |
| 01184       | PULMON TB NEC-CULT DX       | 4         | Tuberculosis    |
| 01185       | PULMON TB NEC-HISTO DX      | 4         | Tuberculosis    |
| 01186       | PULMON TB NEC-OTH TEST      | 4         | Tuberculosis    |
| 01190       | PULMONARY TB NOS-UNSPEC     | 4         | Tuberculosis    |
| 01191       | PULMONARY TB NOS-NO EXAM    | 4         | Tuberculosis    |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                  |
|-------------|-----------------------------|-----------|----------------------------------|
| 01192       | PULMON TB NOS-EXAM UNKN     | 4         | Tuberculosis                     |
| 01193       | PULMON TB NOS-MICRO DX      | 4         | Tuberculosis                     |
| 01194       | PULMON TB NOS-CULT DX       | 4         | Tuberculosis                     |
| 01195       | PULMON TB NOS-HISTO DX      | 4         | Tuberculosis                     |
| 01196       | PULMON TB NOS-OTH TEST      | 4         | Tuberculosis                     |
| 01200       | TB PLEURISY-UNSPEC          | 4         | Tuberculosis                     |
| 01201       | TB PLEURISY-NO EXAM         | 4         | Tuberculosis                     |
| 01202       | TB PLEURISY-EXAM UNKN       | 4         | Tuberculosis                     |
| 01203       | TB PLEURISY-MICRO DX        | 4         | Tuberculosis                     |
| 01204       | TB PLEURISY-CULT DX         | 4         | Tuberculosis                     |
| 01205       | TB PLEURISY-HISTOLOG DX     | 4         | Tuberculosis                     |
| 01206       | TB PLEURISY-OTH TEST        | 4         | Tuberculosis                     |
| 01210       | TB THORACIC NODES-UNSPEC    | 4         | Tuberculosis                     |
| 01211       | TB THORAX NODE-NO EXAM      | 4         | Tuberculosis                     |
| 01212       | TB THORAX NODE-EXAM UNKN    | 4         | Tuberculosis                     |
| 01213       | TB THORAX NODE-MICRO DX     | 4         | Tuberculosis                     |
| 01214       | TB THORAX NODE-CULT DX      | 4         | Tuberculosis                     |
| 01215       | TB THORAX NODE-HISTO DX     | 4         | Tuberculosis                     |
| 01216       | TB THORAX NODE-OTH TEST     | 4         | Tuberculosis                     |
| 01220       | ISOL TRACHEAL TB-UNSPEC     | 4         | Tuberculosis                     |
| 01221       | ISOL TRACHEAL TB-NO EXAM    | 4         | Tuberculosis                     |
| 01222       | ISOL TRACH TB-EXAM UNKN     | 4         | Tuberculosis                     |
| 01223       | ISOLAT TRACH TB-MICRO DX    | 4         | Tuberculosis                     |
| 01224       | ISOL TRACHEAL TB-CULT DX    | 4         | Tuberculosis                     |
| 01225       | ISOLAT TRACH TB-HISTO DX    | 4         | Tuberculosis                     |
| 01226       | ISOLAT TRACH TB-OTH TEST    | 4         | Tuberculosis                     |
| 01230       | TB LARYNGITIS-UNSPEC        | 4         | Tuberculosis                     |
| 01231       | TB LARYNGITIS-NO EXAM       | 4         | Tuberculosis                     |
| 01232       | TB LARYNGITIS-EXAM UNKN     | 4         | Tuberculosis                     |
| 01233       | TB LARYNGITIS-MICRO DX      | 4         | Tuberculosis                     |
| 01234       | TB LARYNGITIS-CULT DX       | 4         | Tuberculosis                     |
| 01235       | TB LARYNGITIS-HISTO DX      | 4         | Tuberculosis                     |
| 01236       | TB LARYNGITIS-OTH TEST      | 4         | Tuberculosis                     |
| 01280       | RESP TB NEC-UNSPEC          | 4         | Tuberculosis                     |
| 01281       | RESP TB NEC-NO EXAM         | 4         | Tuberculosis                     |
| 01282       | RESP TB NEC-EXAM UNKN       | 4         | Tuberculosis                     |
| 01283       | RESP TB NEC-MICRO DX        | 4         | Tuberculosis                     |
| 01284       | RESP TB NEC-CULT DX         | 4         | Tuberculosis                     |
| 01285       | RESP TB NEC-HISTO DX        | 4         | Tuberculosis                     |
| 01286       | RESP TB NEC-OTH TEST        | 4         | Tuberculosis                     |
| 01300       | TB MENINGITIS-UNSPEC        | 3         | Central Nervous System Infection |
| 01301       | TB MENINGITIS-NO EXAM       | 3         | Central Nervous System Infection |
| 01302       | TB MENINGITIS-EXAM UNKN     | 3         | Central Nervous System Infection |
| 01303       | TB MENINGITIS-MICRO DX      | 3         | Central Nervous System Infection |
| 01304       | TB MENINGITIS-CULT DX       | 3         | Central Nervous System Infection |
| 01305       | TB MENINGITIS-HISTO DX      | 3         | Central Nervous System Infection |
| 01306       | TB MENINGITIS-OTH TEST      | 3         | Central Nervous System Infection |
| 01310       | TUBRCLMA MENINGES-UNSPEC    | 3         | Central Nervous System Infection |
| 01311       | TUBRCLMA MENING-NO EXAM     | 3         | Central Nervous System Infection |
| 01312       | TUBRCLMA MENING-EXAM UNKN   | 3         | Central Nervous System Infection |
| 01313       | TUBRCLMA MENING-MICRO DX    | 3         | Central Nervous System Infection |
| 01314       | TUBRCLMA MENING-CULT DX     | 3         | Central Nervous System Infection |
| 01315       | TUBRCLMA MENING-HISTO DX    | 3         | Central Nervous System Infection |
| 01316       | TUBRCLMA MENING-OTH TEST    | 3         | Central Nervous System Infection |
| 01320       | TUBERCULOMA BRAIN-UNSPEC    | 3         | Central Nervous System Infection |
| 01321       | TUBRCLOMA BRAIN-NO EXAM     | 3         | Central Nervous System Infection |
| 01322       | TUBRCLMA BRAIN-EXAM UNKN    | 3         | Central Nervous System Infection |
| 01323       | TUBRCLOMA BRAIN-MICRO DX    | 3         | Central Nervous System Infection |
| 01324       | TUBRCLOMA BRAIN-CULT DX     | 3         | Central Nervous System Infection |
| 01325       | TUBRCLOMA BRAIN-HISTO DX    | 3         | Central Nervous System Infection |
| 01326       | TUBRCLOMA BRAIN-OTH TEST    | 3         | Central Nervous System Infection |
| 01330       | TB BRAIN ABSCESS-UNSPEC     | 3         | Central Nervous System Infection |
| 01331       | TB BRAIN ABSCESS-NO EXAM    | 3         | Central Nervous System Infection |
| 01332       | TB BRAIN ABSCESS-EXAM UNKN  | 3         | Central Nervous System Infection |
| 01333       | TB BRAIN ABSCESS-MICRO DX   | 3         | Central Nervous System Infection |
| 01334       | TB BRAIN ABSCESS-CULT DX    | 3         | Central Nervous System Infection |
| 01335       | TB BRAIN ABSCESS-HISTO DX   | 3         | Central Nervous System Infection |
| 01336       | TB BRAIN ABSCESS-OTH TEST   | 3         | Central Nervous System Infection |
| 01340       | TUBRCLMA SP CORD-UNSPEC     | 3         | Central Nervous System Infection |
| 01341       | TUBRCLMA SP CORD-NO EXAM    | 3         | Central Nervous System Infection |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                  |
|-------------|-----------------------------|-----------|----------------------------------|
| 01342       | TUBRCLMA SP CD-EXAM UNKN    | 3         | Central Nervous System Infection |
| 01343       | TUBRCLMA SP CRD-MICRO DX    | 3         | Central Nervous System Infection |
| 01344       | TUBRCLMA SP CRD-CULT DX     | 3         | Central Nervous System Infection |
| 01345       | TUBRCLMA SP CRD-HISTO DX    | 3         | Central Nervous System Infection |
| 01346       | TUBRCLMA SP CRD-OTH TEST    | 3         | Central Nervous System Infection |
| 01350       | TB SP CRD ABSCESS-UNSPEC    | 3         | Central Nervous System Infection |
| 01351       | TB SP CRD ABSC-NO EXAM      | 3         | Central Nervous System Infection |
| 01352       | TB SP CRD ABSC-EXAM UNKN    | 3         | Central Nervous System Infection |
| 01353       | TB SP CRD ABSC-MICRO DX     | 3         | Central Nervous System Infection |
| 01354       | TB SP CRD ABSC-CULT DX      | 3         | Central Nervous System Infection |
| 01355       | TB SP CRD ABSC-HISTO DX     | 3         | Central Nervous System Infection |
| 01356       | TB SP CRD ABSC-OTH TEST     | 3         | Central Nervous System Infection |
| 01360       | TB ENCEPHALITIS-UNSPEC      | 3         | Central Nervous System Infection |
| 01361       | TB ENCEPHALITIS-NO EXAM     | 3         | Central Nervous System Infection |
| 01362       | TB ENCEPHALIT-EXAM UNKN     | 3         | Central Nervous System Infection |
| 01363       | TB ENCEPHALITIS-MICRO DX    | 3         | Central Nervous System Infection |
| 01364       | TB ENCEPHALITIS-CULT DX     | 3         | Central Nervous System Infection |
| 01365       | TB ENCEPHALITIS-HISTO DX    | 3         | Central Nervous System Infection |
| 01366       | TB ENCEPHALITIS-OTH TEST    | 3         | Central Nervous System Infection |
| 01380       | CNS TB NEC-UNSPEC           | 3         | Central Nervous System Infection |
| 01381       | CNS TB NEC-NO EXAM          | 3         | Central Nervous System Infection |
| 01382       | CNS TB NEC-EXAM UNKN        | 3         | Central Nervous System Infection |
| 01383       | CNS TB NEC-MICRO DX         | 3         | Central Nervous System Infection |
| 01384       | CNS TB NEC-CULT DX          | 3         | Central Nervous System Infection |
| 01385       | CNS TB NEC-HISTO DX         | 3         | Central Nervous System Infection |
| 01386       | CNS TB NEC-OTH TEST         | 3         | Central Nervous System Infection |
| 01390       | CNS TB NOS-UNSPEC           | 3         | Central Nervous System Infection |
| 01391       | CNS TB NOS-NO EXAM          | 3         | Central Nervous System Infection |
| 01392       | CNS TB NOS-EXAM UNKN        | 3         | Central Nervous System Infection |
| 01393       | CNS TB NOS-MICRO DX         | 3         | Central Nervous System Infection |
| 01394       | CNS TB NOS-CULT DX          | 3         | Central Nervous System Infection |
| 01395       | CNS TB NOS-HISTO DX         | 3         | Central Nervous System Infection |
| 01396       | CNS TB NOS-OTH TEST         | 3         | Central Nervous System Infection |
| 01400       | TB PERITONITIS-UNSPEC       | 4         | Tuberculosis                     |
| 01401       | TB PERITONITIS-NO EXAM      | 4         | Tuberculosis                     |
| 01402       | TB PERITONITIS-EXAM UNKN    | 4         | Tuberculosis                     |
| 01403       | TB PERITONITIS-MICRO DX     | 4         | Tuberculosis                     |
| 01404       | TB PERITONITIS-CULT DX      | 4         | Tuberculosis                     |
| 01405       | TB PERITONITIS-HISTO DX     | 4         | Tuberculosis                     |
| 01406       | TB PERITONITIS-OTH TEST     | 4         | Tuberculosis                     |
| 01480       | INTESTINAL TB NEC-UNSPEC    | 4         | Tuberculosis                     |
| 01481       | INTESTIN TB NEC-NO EXAM     | 4         | Tuberculosis                     |
| 01482       | INTEST TB NEC-EXAM UNKN     | 4         | Tuberculosis                     |
| 01483       | INTESTIN TB NEC-MICRO DX    | 4         | Tuberculosis                     |
| 01484       | INTESTIN TB NEC-CULT DX     | 4         | Tuberculosis                     |
| 01485       | INTESTIN TB NEC-HISTO DX    | 4         | Tuberculosis                     |
| 01486       | INTESTIN TB NEC-OTH TEST    | 4         | Tuberculosis                     |
| 01500       | TB OF VERTEBRA-UNSPEC       | 4         | Tuberculosis                     |
| 01501       | TB OF VERTEBRA-NO EXAM      | 4         | Tuberculosis                     |
| 01502       | TB OF VERTEBRA-EXAM UNKN    | 4         | Tuberculosis                     |
| 01503       | TB OF VERTEBRA-MICRO DX     | 4         | Tuberculosis                     |
| 01504       | TB OF VERTEBRA-CULT DX      | 4         | Tuberculosis                     |
| 01505       | TB OF VERTEBRA-HISTO DX     | 4         | Tuberculosis                     |
| 01506       | TB OF VERTEBRA-OTH TEST     | 4         | Tuberculosis                     |
| 01510       | TB OF HIP-UNSPEC            | 4         | Tuberculosis                     |
| 01511       | TB OF HIP-NO EXAM           | 4         | Tuberculosis                     |
| 01512       | TB OF HIP-EXAM UNKN         | 4         | Tuberculosis                     |
| 01513       | TB OF HIP-MICRO DX          | 4         | Tuberculosis                     |
| 01514       | TB OF HIP-CULT DX           | 4         | Tuberculosis                     |
| 01515       | TB OF HIP-HISTO DX          | 4         | Tuberculosis                     |
| 01516       | TB OF HIP-OTH TEST          | 4         | Tuberculosis                     |
| 01520       | TB OF KNEE-UNSPEC           | 4         | Tuberculosis                     |
| 01521       | TB OF KNEE-NO EXAM          | 4         | Tuberculosis                     |
| 01522       | TB OF KNEE-EXAM UNKN        | 4         | Tuberculosis                     |
| 01523       | TB OF KNEE-MICRO DX         | 4         | Tuberculosis                     |
| 01524       | TB OF KNEE-CULT DX          | 4         | Tuberculosis                     |
| 01525       | TB OF KNEE-HISTO DX         | 4         | Tuberculosis                     |
| 01526       | TB OF KNEE-OTH TEST         | 4         | Tuberculosis                     |
| 01550       | TB OF LIMB BONES-UNSPEC     | 4         | Tuberculosis                     |
| 01551       | TB LIMB BONES-NO EXAM       | 4         | Tuberculosis                     |



**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b> |
|-------------|-----------------------------|-----------|-----------------|
| 01552       | TB LIMB BONES-EXAM UNKN     | 4         | Tuberculosis    |
| 01553       | TB LIMB BONES-MICRO DX      | 4         | Tuberculosis    |
| 01554       | TB LIMB BONES-CULT DX       | 4         | Tuberculosis    |
| 01555       | TB LIMB BONES-HISTO DX      | 4         | Tuberculosis    |
| 01556       | TB LIMB BONES-OTH TEST      | 4         | Tuberculosis    |
| 01560       | TB OF MASTOID-UNSPEC        | 4         | Tuberculosis    |
| 01561       | TB OF MASTOID-NO EXAM       | 4         | Tuberculosis    |
| 01562       | TB OF MASTOID-EXAM UNKN     | 4         | Tuberculosis    |
| 01563       | TB OF MASTOID-MICRO DX      | 4         | Tuberculosis    |
| 01564       | TB OF MASTOID-CULT DX       | 4         | Tuberculosis    |
| 01565       | TB OF MASTOID-HISTO DX      | 4         | Tuberculosis    |
| 01566       | TB OF MASTOID-OTH TEST      | 4         | Tuberculosis    |
| 01570       | TB OF BONE NEC-UNSPEC       | 4         | Tuberculosis    |
| 01571       | TB OF BONE NEC-NO EXAM      | 4         | Tuberculosis    |
| 01572       | TB OF BONE NEC-EXAM UNKN    | 4         | Tuberculosis    |
| 01573       | TB OF BONE NEC-MICRO DX     | 4         | Tuberculosis    |
| 01574       | TB OF BONE NEC-CULT DX      | 4         | Tuberculosis    |
| 01575       | TB OF BONE NEC-HISTO DX     | 4         | Tuberculosis    |
| 01576       | TB OF BONE NEC-OTH TEST     | 4         | Tuberculosis    |
| 01580       | TB OF JOINT NEC-UNSPEC      | 4         | Tuberculosis    |
| 01581       | TB OF JOINT NEC-NO EXAM     | 4         | Tuberculosis    |
| 01582       | TB JOINT NEC-EXAM UNKN      | 4         | Tuberculosis    |
| 01583       | TB OF JOINT NEC-MICRO DX    | 4         | Tuberculosis    |
| 01584       | TB OF JOINT NEC-CULT DX     | 4         | Tuberculosis    |
| 01585       | TB OF JOINT NEC-HISTO DX    | 4         | Tuberculosis    |
| 01586       | TB OF JOINT NEC-OTH TEST    | 4         | Tuberculosis    |
| 01590       | TB BONE/JOINT NOS-UNSPEC    | 4         | Tuberculosis    |
| 01591       | TB BONE/JT NOS-NO EXAM      | 4         | Tuberculosis    |
| 01592       | TB BONE/JT NOS-EXAM UNKN    | 4         | Tuberculosis    |
| 01593       | TB BONE/JT NOS-MICRO DX     | 4         | Tuberculosis    |
| 01594       | TB BONE/JT NOS-CULT DX      | 4         | Tuberculosis    |
| 01595       | TB BONE/JT NOS-HISTO DX     | 4         | Tuberculosis    |
| 01596       | TB BONE/JT NOS-OTH TEST     | 4         | Tuberculosis    |
| 01600       | TB OF KIDNEY-UNSPEC         | 4         | Tuberculosis    |
| 01601       | TB OF KIDNEY-NO EXAM        | 4         | Tuberculosis    |
| 01602       | TB OF KIDNEY-EXAM UNKN      | 4         | Tuberculosis    |
| 01603       | TB OF KIDNEY-MICRO DX       | 4         | Tuberculosis    |
| 01604       | TB OF KIDNEY-CULT DX        | 4         | Tuberculosis    |
| 01605       | TB OF KIDNEY-HISTO DX       | 4         | Tuberculosis    |
| 01606       | TB OF KIDNEY-OTH TEST       | 4         | Tuberculosis    |
| 01610       | TB OF BLADDER-UNSPEC        | 4         | Tuberculosis    |
| 01611       | TB OF BLADDER-NO EXAM       | 4         | Tuberculosis    |
| 01612       | TB OF BLADDER-EXAM UNKN     | 4         | Tuberculosis    |
| 01613       | TB OF BLADDER-MICRO DX      | 4         | Tuberculosis    |
| 01614       | TB OF BLADDER-CULT DX       | 4         | Tuberculosis    |
| 01615       | TB OF BLADDER-HISTO DX      | 4         | Tuberculosis    |
| 01616       | TB OF BLADDER-OTH TEST      | 4         | Tuberculosis    |
| 01620       | TB OF URETER-UNSPEC         | 4         | Tuberculosis    |
| 01621       | TB OF URETER-NO EXAM        | 4         | Tuberculosis    |
| 01622       | TB OF URETER-EXAM UNKN      | 4         | Tuberculosis    |
| 01623       | TB OF URETER-MICRO DX       | 4         | Tuberculosis    |
| 01624       | TB OF URETER-CULT DX        | 4         | Tuberculosis    |
| 01625       | TB OF URETER-HISTO DX       | 4         | Tuberculosis    |
| 01626       | TB OF URETER-OTH TEST       | 4         | Tuberculosis    |
| 01630       | TB URINARY NEC-UNSPEC       | 4         | Tuberculosis    |
| 01631       | TB URINARY NEC-NO EXAM      | 4         | Tuberculosis    |
| 01632       | TB URINARY NEC-EXAM UNKN    | 4         | Tuberculosis    |
| 01633       | TB URINARY NEC-MICRO DX     | 4         | Tuberculosis    |
| 01634       | TB URINARY NEC-CULT DX      | 4         | Tuberculosis    |
| 01635       | TB URINARY NEC-HISTO DX     | 4         | Tuberculosis    |
| 01636       | TB URINARY NEC-OTH TEST     | 4         | Tuberculosis    |
| 01640       | TB EPIDIDYMIS-UNSPEC        | 4         | Tuberculosis    |
| 01641       | TB EPIDIDYMIS-NO EXAM       | 4         | Tuberculosis    |
| 01642       | TB EPIDIDYMIS-EXAM UNKN     | 4         | Tuberculosis    |
| 01643       | TB EPIDIDYMIS-MICRO DX      | 4         | Tuberculosis    |
| 01644       | TB EPIDIDYMIS-CULT DX       | 4         | Tuberculosis    |
| 01645       | TB EPIDIDYMIS-HISTO DX      | 4         | Tuberculosis    |
| 01646       | TB EPIDIDYMIS-OTH TEST      | 4         | Tuberculosis    |
| 01650       | TB MALE GENIT NEC-UNSPEC    | 4         | Tuberculosis    |
| 01651       | TB MALE GEN NEC-NO EXAM     | 4         | Tuberculosis    |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b> |
|-------------|-----------------------------|-----------|-----------------|
| 01652       | TB MALE GEN NEC-EX UNKN     | 4         | Tuberculosis    |
| 01653       | TB MALE GEN NEC-MICRO DX    | 4         | Tuberculosis    |
| 01654       | TB MALE GEN NEC-CULT DX     | 4         | Tuberculosis    |
| 01655       | TB MALE GEN NEC-HISTO DX    | 4         | Tuberculosis    |
| 01656       | TB MALE GEN NEC-OTH TEST    | 4         | Tuberculosis    |
| 01660       | TB OVARY & TUBE-UNSPEC      | 4         | Tuberculosis    |
| 01661       | TB OVARY & TUBE-NO EXAM     | 4         | Tuberculosis    |
| 01662       | TB OVARY/TUBE-EXAM UNKN     | 4         | Tuberculosis    |
| 01663       | TB OVARY & TUBE-MICRO DX    | 4         | Tuberculosis    |
| 01664       | TB OVARY & TUBE-CULT DX     | 4         | Tuberculosis    |
| 01665       | TB OVARY & TUBE-HISTO DX    | 4         | Tuberculosis    |
| 01666       | TB OVARY & TUBE-OTH TEST    | 4         | Tuberculosis    |
| 01670       | TB FEMALE GEN NEC-UNSPEC    | 4         | Tuberculosis    |
| 01671       | TB FEM GEN NEC-NO EXAM      | 4         | Tuberculosis    |
| 01672       | TB FEM GEN NEC-EXAM UNKN    | 4         | Tuberculosis    |
| 01673       | TB FEM GEN NEC-MICRO DX     | 4         | Tuberculosis    |
| 01674       | TB FEM GEN NEC-CULT DX      | 4         | Tuberculosis    |
| 01675       | TB FEM GEN NEC-HISTO DX     | 4         | Tuberculosis    |
| 01676       | TB FEM GEN NEC-OTH TEST     | 4         | Tuberculosis    |
| 01690       | GU TB NOS-UNSPEC            | 4         | Tuberculosis    |
| 01691       | GU TB NOS-NO EXAM           | 4         | Tuberculosis    |
| 01692       | GU TB NOS-EXAM UNKN         | 4         | Tuberculosis    |
| 01693       | GU TB NOS-MICRO DX          | 4         | Tuberculosis    |
| 01694       | GU TB NOS-CULT DX           | 4         | Tuberculosis    |
| 01695       | GU TB NOS-HISTO DX          | 4         | Tuberculosis    |
| 01696       | GU TB NOS-OTH TEST          | 4         | Tuberculosis    |
| 01700       | TB SKIN/SUBCUTAN-UNSPEC     | 4         | Tuberculosis    |
| 01701       | TB SKIN/SUBCUT-NO EXAM      | 4         | Tuberculosis    |
| 01702       | TB SKIN/SUBCUT-EXAM UNKN    | 4         | Tuberculosis    |
| 01703       | TB SKIN/SUBCUT-MICRO DX     | 4         | Tuberculosis    |
| 01704       | TB SKIN/SUBCUT-CULT DX      | 4         | Tuberculosis    |
| 01705       | TB SKIN/SUBCUT-HISTO DX     | 4         | Tuberculosis    |
| 01706       | TB SKIN/SUBCUT-OTH TEST     | 4         | Tuberculosis    |
| 01710       | ERYTHEMA NODOS TB-UNSPEC    | 4         | Tuberculosis    |
| 01711       | ERYTHEM NODOS TB-NO EXAM    | 4         | Tuberculosis    |
| 01712       | ERYTHEM NOD TB-EXAM UNKN    | 4         | Tuberculosis    |
| 01713       | ERYTHEM NOD TB-MICRO DX     | 4         | Tuberculosis    |
| 01714       | ERYTHEM NODOS TB-CULT DX    | 4         | Tuberculosis    |
| 01715       | ERYTHEM NOD TB-HISTO DX     | 4         | Tuberculosis    |
| 01716       | ERYTHEM NOD TB-OTH TEST     | 4         | Tuberculosis    |
| 01720       | TB PERIPH LYMPH-UNSPEC      | 4         | Tuberculosis    |
| 01721       | TB PERIPH LYMPH-NO EXAM     | 4         | Tuberculosis    |
| 01722       | TB PERIPH LYMPH-EXAM UNK    | 4         | Tuberculosis    |
| 01723       | TB PERIPH LYMPH-MICRO DX    | 4         | Tuberculosis    |
| 01724       | TB PERIPH LYMPH-CULT DX     | 4         | Tuberculosis    |
| 01725       | TB PERIPH LYMPH-HISTO DX    | 4         | Tuberculosis    |
| 01726       | TB PERIPH LYMPH-OTH TEST    | 4         | Tuberculosis    |
| 01730       | TB OF EYE-UNSPEC            | 4         | Tuberculosis    |
| 01731       | TB OF EYE-NO EXAM           | 4         | Tuberculosis    |
| 01732       | TB OF EYE-EXAM UNKN         | 4         | Tuberculosis    |
| 01733       | TB OF EYE-MICRO DX          | 4         | Tuberculosis    |
| 01734       | TB OF EYE-CULT DX           | 4         | Tuberculosis    |
| 01735       | TB OF EYE-HISTO DX          | 4         | Tuberculosis    |
| 01736       | TB OF EYE-OTH TEST          | 4         | Tuberculosis    |
| 01740       | TB OF EAR-UNSPEC            | 4         | Tuberculosis    |
| 01741       | TB OF EAR-NO EXAM           | 4         | Tuberculosis    |
| 01742       | TB OF EAR-EXAM UNKN         | 4         | Tuberculosis    |
| 01743       | TB OF EAR-MICRO DX          | 4         | Tuberculosis    |
| 01744       | TB OF EAR-CULT DX           | 4         | Tuberculosis    |
| 01745       | TB OF EAR-HISTO DX          | 4         | Tuberculosis    |
| 01746       | TB OF EAR-OTH TEST          | 4         | Tuberculosis    |
| 01750       | TB OF THYROID-UNSPEC        | 4         | Tuberculosis    |
| 01751       | TB OF THYROID-NO EXAM       | 4         | Tuberculosis    |
| 01752       | TB OF THYROID-EXAM UNKN     | 4         | Tuberculosis    |
| 01753       | TB OF THYROID-MICRO DX      | 4         | Tuberculosis    |
| 01754       | TB OF THYROID-CULT DX       | 4         | Tuberculosis    |
| 01755       | TB OF THYROID-HISTO DX      | 4         | Tuberculosis    |
| 01756       | TB OF THYROID-OTH TEST      | 4         | Tuberculosis    |
| 01760       | TB OF ADRENAL-UNSPEC        | 4         | Tuberculosis    |
| 01761       | TB OF ADRENAL-NO EXAM       | 4         | Tuberculosis    |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                 |
|-------------|-----------------------------|-----------|---|
| 01762       | TB OF ADRENAL-EXAM UNKN     | 4         | Tuberculosis                                    |
| 01763       | TB OF ADRENAL-MICRO DX      | 4         | Tuberculosis                                    |
| 01764       | TB OF ADRENAL-CULT DX       | 4         | Tuberculosis                                    |
| 01765       | TB OF ADRENAL-HISTO DX      | 4         | Tuberculosis                                    |
| 01766       | TB OF ADRENAL-OTH TEST      | 4         | Tuberculosis                                    |
| 01770       | TB OF SPLEEN-UNSPEC         | 4         | Tuberculosis                                    |
| 01771       | TB OF SPLEEN-NO EXAM        | 4         | Tuberculosis                                    |
| 01772       | TB OF SPLEEN-EXAM UNKN      | 4         | Tuberculosis                                    |
| 01773       | TB OF SPLEEN-MICRO DX       | 4         | Tuberculosis                                    |
| 01774       | TB OF SPLEEN-CULT DX        | 4         | Tuberculosis                                    |
| 01775       | TB OF SPLEEN-HISTO DX       | 4         | Tuberculosis                                    |
| 01776       | TB OF SPLEEN-OTH TEST       | 4         | Tuberculosis                                    |
| 01780       | TB ESOPHAGUS-UNSPEC         | 4         | Tuberculosis                                    |
| 01781       | TB ESOPHAGUS-NO EXAM        | 4         | Tuberculosis                                    |
| 01782       | TB ESOPHAGUS-EXAM UNKN      | 4         | Tuberculosis                                    |
| 01783       | TB ESOPHAGUS-MICRO DX       | 4         | Tuberculosis                                    |
| 01784       | TB ESOPHAGUS-CULT DX        | 4         | Tuberculosis                                    |
| 01785       | TB ESOPHAGUS-HISTO DX       | 4         | Tuberculosis                                    |
| 01786       | TB ESOPHAGUS-OTH TEST       | 4         | Tuberculosis                                    |
| 01790       | TB OF ORGAN NEC-UNSPEC      | 4         | Tuberculosis                                    |
| 01791       | TB OF ORGAN NEC-NO EXAM     | 4         | Tuberculosis                                    |
| 01792       | TB ORGAN NEC-EXAM UNKN      | 4         | Tuberculosis                                    |
| 01793       | TB OF ORGAN NEC-MICRO DX    | 4         | Tuberculosis                                    |
| 01794       | TB OF ORGAN NEC-CULT DX     | 4         | Tuberculosis                                    |
| 01795       | TB OF ORGAN NEC-HISTO DX    | 4         | Tuberculosis                                    |
| 01796       | TB OF ORGAN NEC-OTH TEST    | 4         | Tuberculosis                                    |
| 01800       | ACUTE MILIARY TB-UNSPEC     | 4         | Tuberculosis                                    |
| 01801       | ACUTE MILIARY TB-NO EXAM    | 4         | Tuberculosis                                    |
| 01802       | AC MILIARY TB-EXAM UNKN     | 4         | Tuberculosis                                    |
| 01803       | AC MILIARY TB-MICRO DX      | 4         | Tuberculosis                                    |
| 01804       | ACUTE MILIARY TB-CULT DX    | 4         | Tuberculosis                                    |
| 01805       | AC MILIARY TB-HISTO DX      | 4         | Tuberculosis                                    |
| 01806       | AC MILIARY TB-OTH TEST      | 4         | Tuberculosis                                    |
| 01880       | MILIARY TB NEC-UNSPEC       | 4         | Tuberculosis                                    |
| 01881       | MILIARY TB NEC-NO EXAM      | 4         | Tuberculosis                                    |
| 01882       | MILIARY TB NEC-EXAM UNKN    | 4         | Tuberculosis                                    |
| 01883       | MILIARY TB NEC-MICRO DX     | 4         | Tuberculosis                                    |
| 01884       | MILIARY TB NEC-CULT DX      | 4         | Tuberculosis                                    |
| 01885       | MILIARY TB NEC-HISTO DX     | 4         | Tuberculosis                                    |
| 01886       | MILIARY TB NEC-OTH TEST     | 4         | Tuberculosis                                    |
| 01890       | MILIARY TB NOS-UNSPEC       | 4         | Tuberculosis                                    |
| 01891       | MILIARY TB NOS-NO EXAM      | 4         | Tuberculosis                                    |
| 01892       | MILIARY TB NOS-EXAM UNKN    | 4         | Tuberculosis                                    |
| 01893       | MILIARY TB NOS-MICRO DX     | 4         | Tuberculosis                                    |
| 01894       | MILIARY TB NOS-CULT DX      | 4         | Tuberculosis                                    |
| 01895       | MILIARY TB NOS-HISTO DX     | 4         | Tuberculosis                                    |
| 01896       | MILIARY TB NOS-OTH TEST     | 4         | Tuberculosis                                    |
| 0200        | BUBONIC PLAGUE              | 6         | Other Infectious Diseases                       |
| 0202        | SEPTICEMIC PLAGUE           | 2         | Septicemia/Shock                                |
| 0203        | PRIMARY PNEUMONIC PLAGUE    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0204        | SECONDARY PNEUMONIC PLAGUE  | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0205        | PNEUMONIC PLAGUE NOS        | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0208        | OTHER TYPES OF PLAGUE       | 6         | Other Infectious Diseases                       |
| 0209        | PLAGUE NOS                  | 6         | Other Infectious Diseases                       |
| 0210        | ULCEROGLANDULAR TULAREMIA   | 6         | Other Infectious Diseases                       |
| 0211        | ENTERIC TULAREMIA           | 6         | Other Infectious Diseases                       |
| 0212        | PULMONARY TULAREMIA         | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0213        | OCULOGLANDULAR TULAREMIA    | 6         | Other Infectious Diseases                       |
| 0218        | TULAREMIA NEC               | 6         | Other Infectious Diseases                       |
| 0219        | TULAREMIA NOS               | 6         | Other Infectious Diseases                       |
| 0221        | PULMONARY ANTHRAX           | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0222        | GASTROINTESTINAL ANTHRAX    | 6         | Other Infectious Diseases                       |
| 0223        | ANTHRAX SEPTICEMIA          | 2         | Septicemia/Shock                                |
| 0228        | OTHER ANTHRAX MANIFEST      | 6         | Other Infectious Diseases                       |
| 0229        | ANTHRAX NOS                 | 6         | Other Infectious Diseases                       |
| 0230        | BRUCELLA MELITENSIS         | 6         | Other Infectious Diseases                       |
| 0231        | BRUCELLA ABORTUS            | 6         | Other Infectious Diseases                       |
| 0232        | BRUCELLA SUIIS              | 6         | Other Infectious Diseases                       |
| 0233        | BRUCELLA CANIS              | 6         | Other Infectious Diseases                       |
| 0238        | BRUCELLOSIS NEC             | 6         | Other Infectious Diseases                       |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                 |
|-------------|-----------------------------|-----------|---|
| 0239        | BRUCELLOSIS NOS             | 6         | Other Infectious Diseases                       |
| 024         | GLANDERS                    | 6         | Other Infectious Diseases                       |
| 025         | MELIOIDOSIS                 | 6         | Other Infectious Diseases                       |
| 0260        | SPIRILLARY FEVER            | 6         | Other Infectious Diseases                       |
| 0261        | STREPTOBACILLARY FEVER      | 6         | Other Infectious Diseases                       |
| 0269        | RAT-BITE FEVER NOS          | 6         | Other Infectious Diseases                       |
| 0270        | LISTERIOSIS                 | 6         | Other Infectious Diseases                       |
| 0271        | ERYSIPELOTHRIX INFECTION    | 6         | Other Infectious Diseases                       |
| 0272        | PASTEURELLOSIS              | 6         | Other Infectious Diseases                       |
| 0278        | ZOONOTIC BACT DIS NEC       | 6         | Other Infectious Diseases                       |
| 0279        | ZOONOTIC BACT DIS NOS       | 6         | Other Infectious Diseases                       |
| 0300        | LEPROMATOUS LEPROSY         | 6         | Other Infectious Diseases                       |
| 0301        | TUBERCULOID LEPROSY         | 6         | Other Infectious Diseases                       |
| 0302        | INDETERMINATE LEPROSY       | 6         | Other Infectious Diseases                       |
| 0303        | BORDERLINE LEPROSY          | 6         | Other Infectious Diseases                       |
| 0308        | LEPROSY NEC                 | 6         | Other Infectious Diseases                       |
| 0309        | LEPROSY NOS                 | 6         | Other Infectious Diseases                       |
| 0310        | PULMONARY MYCOBACTERIA      | 5         | Opportunistic Infections                        |
| 0312        | DMAC BACTEREMIA             | 5         | Opportunistic Infections                        |
| 0318        | MYCOBACTERIAL DIS NEC       | 6         | Other Infectious Diseases                       |
| 0319        | MYCOBACTERIAL DIS NOS       | 6         | Other Infectious Diseases                       |
| 0320        | FAUCIAL DIPHThERIA          | 6         | Other Infectious Diseases                       |
| 0321        | NASOPHARYNX DIPHThERIA      | 6         | Other Infectious Diseases                       |
| 0322        | ANT NASAL DIPHThERIA        | 6         | Other Infectious Diseases                       |
| 0323        | LARYNGEAL DIPHThERIA        | 6         | Other Infectious Diseases                       |
| 03281       | CONJUNCTIVAL DIPHThERIA     | 6         | Other Infectious Diseases                       |
| 03289       | DIPHThERIA NEC              | 6         | Other Infectious Diseases                       |
| 0329        | DIPHThERIA NOS              | 6         | Other Infectious Diseases                       |
| 0330        | BORDETELLA PERTUSSIS        | 6         | Other Infectious Diseases                       |
| 0331        | BORDETELLA PARAPERTUSSIS    | 6         | Other Infectious Diseases                       |
| 0338        | WHOOPING COUGH NEC          | 6         | Other Infectious Diseases                       |
| 0339        | WHOOPING COUGH NOS          | 6         | Other Infectious Diseases                       |
| 0340        | STREP SORE THROAT           | 6         | Other Infectious Diseases                       |
| 0341        | SCARLET FEVER               | 6         | Other Infectious Diseases                       |
| 0360        | MENINGOCOCCAL MENINGITIS    | 3         | Central Nervous System Infection                |
| 0361        | MENINGOCOCC ENCEPHALITIS    | 3         | Central Nervous System Infection                |
| 0362        | MENINGOCOCCEMIA             | 2         | Septicemia/Shock                                |
| 03689       | MENINGOCOCCAL INFECT NEC    | 6         | Other Infectious Diseases                       |
| 0369        | MENINGOCOCCAL INFECT NOS    | 6         | Other Infectious Diseases                       |
| 037         | TETANUS                     | 3         | Central Nervous System Infection                |
| 0380        | STREPTOCOCCAL SEPTICEMIA    | 2         | Septicemia/Shock                                |
| 03810       | STAPHYLOCOCC SEPTICEM NOS   | 2         | Septicemia/Shock                                |
| 03811       | STAPH AUREUS SEPTICEMIA     | 2         | Septicemia/Shock                                |
| 03819       | STAPHYLOCOCC SEPTICEM NEC   | 2         | Septicemia/Shock                                |
| 0382        | PNEUMOCOCCAL SEPTICEMIA     | 2         | Septicemia/Shock                                |
| 0383        | ANAEROBIC SEPTICEMIA        | 2         | Septicemia/Shock                                |
| 03840       | GRAM-NEG SEPTICEMIA NOS     | 2         | Septicemia/Shock                                |
| 03841       | H. INFLUENAE SEPTICEMIA     | 2         | Septicemia/Shock                                |
| 03842       | E COLI SEPTICEMIA           | 2         | Septicemia/Shock                                |
| 03843       | PSEUDOMONAS SEPTICEMIA      | 2         | Septicemia/Shock                                |
| 03844       | SERRATIA SEPTICEMIA         | 2         | Septicemia/Shock                                |
| 03849       | GRAM-NEG SEPTICEMIA NEC     | 2         | Septicemia/Shock                                |
| 0388        | SEPTICEMIA NEC              | 2         | Septicemia/Shock                                |
| 0389        | SEPTICEMIA NOS              | 2         | Septicemia/Shock                                |
| 0391        | PULMONARY ACTINOMYCOSIS     | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 0392        | ABDOMINAL ACTINOMYCOSIS     | 6         | Other Infectious Diseases                       |
| 0393        | CERVICOFAC ACTINOMYCOSIS    | 6         | Other Infectious Diseases                       |
| 0394        | MADURA FOOT                 | 6         | Other Infectious Diseases                       |
| 0398        | ACTINOMYCOSIS NEC           | 6         | Other Infectious Diseases                       |
| 0399        | ACTINOMYCOSIS NOS           | 6         | Other Infectious Diseases                       |
| 0401        | RHINOSCLEROMA               | 6         | Other Infectious Diseases                       |
| 0402        | WHIPPLE'S DISEASE           | 32        | Pancreatic Disease                              |
| 0403        | NECROBACILLOSIS             | 6         | Other Infectious Diseases                       |
| 04041       | INFANT BOTULISM             | 6         | Other Infectious Diseases                       |
| 04042       | WOUND BOTULISM              | 6         | Other Infectious Diseases                       |
| 04081       | TROPICAL PYOMYOSITIS        | 6         | Other Infectious Diseases                       |
| 04082       | TOXIC SHOCK SYNDROME        | 2         | Septicemia/Shock                                |
| 04089       | BACTERIAL DISEASES NEC      | 6         | Other Infectious Diseases                       |
| 04100       | STREPTOCOCCUS UNSPECF       | 6         | Other Infectious Diseases                       |
| 04101       | STREPTOCOCCUS GROUP A       | 6         | Other Infectious Diseases                       |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                           |
|-------------|-----------------------------|-----------|---|
| 04102       | STREPTOCOCCUS GROUP B       | 6         | Other Infectious Diseases                 |
| 04103       | STREPTOCOCCUS GROUP C       | 6         | Other Infectious Diseases                 |
| 04104       | ENTEROCOCCUS GROUP D        | 6         | Other Infectious Diseases                 |
| 04105       | STREPTOCOCCUS GROUP G       | 6         | Other Infectious Diseases                 |
| 04109       | OTHER STREPTOCOCCUS         | 6         | Other Infectious Diseases                 |
| 04110       | STAPHYLOCOCCUS UNSPCFIED    | 6         | Other Infectious Diseases                 |
| 04111       | STAPHYLOCOCCUS AUREUS       | 6         | Other Infectious Diseases                 |
| 04119       | OTHER STAPHYLOCOCCUS        | 6         | Other Infectious Diseases                 |
| 0412        | PNEUMOCOCCUS INFECT NOS     | 6         | Other Infectious Diseases                 |
| 0413        | KLEBSIELLA INFECT NOS       | 6         | Other Infectious Diseases                 |
| 0414        | E. COLI INFECT NOS          | 6         | Other Infectious Diseases                 |
| 0415        | H. INFLUENZAE INFECT NOS    | 6         | Other Infectious Diseases                 |
| 0416        | PROTEUS INFECTION NOS       | 6         | Other Infectious Diseases                 |
| 0417        | PSEUDOMONAS INFECT NOS      | 6         | Other Infectious Diseases                 |
| 04181       | MYCOPLASMA                  | 6         | Other Infectious Diseases                 |
| 04182       | BACTEROIDES FRAGILIS        | 6         | Other Infectious Diseases                 |
| 04183       | CLOSTRIDIUM PERFRINGENS     | 6         | Other Infectious Diseases                 |
| 04184       | OTHER ANAEROBES             | 6         | Other Infectious Diseases                 |
| 04185       | OTH GRAM NEGATV BACTERIA    | 6         | Other Infectious Diseases                 |
| 04186       | HELICOBACTER PYLORI         | 6         | Other Infectious Diseases                 |
| 04189       | OTH SPECF BACTERIA          | 6         | Other Infectious Diseases                 |
| 0419        | BACTERIAL INFECTION NOS     | 6         | Other Infectious Diseases                 |
| 042         | HUMAN IMMUNO VIRUS DIS      | 1         | HIV/AIDS                                  |
| 04500       | AC BULBAR POLIO-TYPE NOS    | 3         | Central Nervous System Infection          |
| 04501       | AC BULBAR POLIO-TYPE 1      | 3         | Central Nervous System Infection          |
| 04502       | AC BULBAR POLIO-TYPE 2      | 3         | Central Nervous System Infection          |
| 04503       | AC BULBAR POLIO-TYPE 3      | 3         | Central Nervous System Infection          |
| 04510       | PARAL POLIO NEC-TYPE NOS    | 3         | Central Nervous System Infection          |
| 04511       | PARAL POLIO NEC-TYPE 1      | 3         | Central Nervous System Infection          |
| 04512       | PARAL POLIO NEC-TYPE 2      | 3         | Central Nervous System Infection          |
| 04513       | PARAL POLIO NEC-TYPE 3      | 3         | Central Nervous System Infection          |
| 04520       | NONPARALY POLIO-TYPE NOS    | 3         | Central Nervous System Infection          |
| 04521       | NONPARALYT POLIO-TYPE 1     | 3         | Central Nervous System Infection          |
| 04522       | NONPARALYT POLIO-TYPE 2     | 3         | Central Nervous System Infection          |
| 04523       | NONPARALYT POLIO-TYPE 3     | 3         | Central Nervous System Infection          |
| 04590       | AC POLIO NOS-TYPE NOS       | 3         | Central Nervous System Infection          |
| 04591       | AC POLIO NOS-TYPE 1         | 3         | Central Nervous System Infection          |
| 04592       | AC POLIO NOS-TYPE 2         | 3         | Central Nervous System Infection          |
| 04593       | AC POLIO NOS-TYPE 3         | 3         | Central Nervous System Infection          |
| 0470        | COXSACKIE VIRUS MENING      | 3         | Central Nervous System Infection          |
| 0471        | ECHO VIRUS MENINGITIS       | 3         | Central Nervous System Infection          |
| 0478        | VIRAL MENINGITIS NEC        | 3         | Central Nervous System Infection          |
| 0479        | VIRAL MENINGITIS NOS        | 3         | Central Nervous System Infection          |
| 048         | OTH ENTEROVIRAL CNS DIS     | 3         | Central Nervous System Infection          |
| 0490        | LYMPHOCYTIC CHORIOMENING    | 3         | Central Nervous System Infection          |
| 0491        | ADENOVIRAL MENINGITIS       | 3         | Central Nervous System Infection          |
| 0498        | VIRAL ENCEPHALITIS NEC      | 3         | Central Nervous System Infection          |
| 0499        | VIRAL ENCEPHALITIS NOS      | 3         | Central Nervous System Infection          |
| 0500        | VARIOLA MAJOR               | 6         | Other Infectious Diseases                 |
| 0501        | ALASTRIM                    | 6         | Other Infectious Diseases                 |
| 0502        | MODIFIED SMALLPOX           | 6         | Other Infectious Diseases                 |
| 0509        | SMALLPOX NOS                | 6         | Other Infectious Diseases                 |
| 0510        | COWPOX                      | 6         | Other Infectious Diseases                 |
| 0511        | PSEUDOCOWPOX                | 6         | Other Infectious Diseases                 |
| 0512        | CONTAGIOUS PUSTULAR DERM    | 6         | Other Infectious Diseases                 |
| 0519        | PARAVACCINIA NOS            | 6         | Other Infectious Diseases                 |
| 0520        | POSTVARICELLA ENCEPHALIT    | 3         | Central Nervous System Infection          |
| 0521        | VARICELLA PNEUMONITIS       | 113       | Viral and Unspecified Pneumonia, Pleurisy |
| 0522        | POSTVARICELLA MYELITIS      | 3         | Central Nervous System Infection          |
| 0527        | VARICELLA COMPLICAT NEC     | 6         | Other Infectious Diseases                 |
| 0528        | VARICELLA COMPLICAT NOS     | 6         | Other Infectious Diseases                 |
| 0529        | VARICELLA UNCOMPLICATED     | 6         | Other Infectious Diseases                 |
| 0530        | HERPES ZOSTER MENINGITIS    | 3         | Central Nervous System Infection          |
| 05314       | HERPES ZOSTER MYELITIS      | 3         | Central Nervous System Infection          |
| 05320       | HERPES ZOSTER OF EYELID     | 6         | Other Infectious Diseases                 |
| 05321       | H ZOSTER KERATOCONJUNCT     | 6         | Other Infectious Diseases                 |
| 05329       | HERPES ZOSTER OF EYE NEC    | 6         | Other Infectious Diseases                 |
| 05371       | H ZOSTER OTITIS EXTERNA     | 6         | Other Infectious Diseases                 |
| 05379       | H ZOSTER COMPLICATED NEC    | 6         | Other Infectious Diseases                 |
| 0538        | H ZOSTER COMPLICATED NOS    | 6         | Other Infectious Diseases                 |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                           |
|-------------|-----------------------------|-----------|---|
| 0539        | HERPES ZOSTER NOS           | 6         | Other Infectious Diseases                 |
| 0540        | ECZEMA HERPETICUM           | 6         | Other Infectious Diseases                 |
| 05410       | GENITAL HERPES NOS          | 6         | Other Infectious Diseases                 |
| 05411       | HERPETIC VULVOVAGINITIS     | 6         | Other Infectious Diseases                 |
| 05412       | HERPETIC ULCER OF VULVA     | 6         | Other Infectious Diseases                 |
| 05413       | HERPETIC INFECT OF PENIS    | 6         | Other Infectious Diseases                 |
| 05419       | GENITAL HERPES NEC          | 6         | Other Infectious Diseases                 |
| 0542        | HERPETIC GINGIVOSTOMAT      | 6         | Other Infectious Diseases                 |
| 0543        | HERPETIC ENCEPHALITIS       | 3         | Central Nervous System Infection          |
| 05440       | HERPES SIMPLEX EYE NOS      | 6         | Other Infectious Diseases                 |
| 05441       | HERPES SIMPLEX OF EYELID    | 6         | Other Infectious Diseases                 |
| 05442       | DENDRITIC KERATITIS         | 6         | Other Infectious Diseases                 |
| 05443       | H SIMPLEX KERATITIS         | 6         | Other Infectious Diseases                 |
| 05449       | HERPES SIMPLEX EYE NEC      | 6         | Other Infectious Diseases                 |
| 0545        | HERPETIC SEPTICEMIA         | 2         | Septicemia/Shock                          |
| 0546        | HERPETIC WHITLOW            | 6         | Other Infectious Diseases                 |
| 05471       | VISCERAL HERPES SIMPLEX     | 6         | Other Infectious Diseases                 |
| 05472       | H SIMPLEX MENINGITIS        | 3         | Central Nervous System Infection          |
| 05473       | H SIMPLEX OTITIS EXTERNA    | 6         | Other Infectious Diseases                 |
| 05474       | HERPES SIMPLEX MYELITIS     | 3         | Central Nervous System Infection          |
| 05479       | H SIMPLEX COMPLICAT NEC     | 6         | Other Infectious Diseases                 |
| 0548        | H SIMPLEX COMPLICAT NOS     | 6         | Other Infectious Diseases                 |
| 0549        | HERPES SIMPLEX NOS          | 6         | Other Infectious Diseases                 |
| 0550        | POSTMEASLES ENCEPHALITIS    | 3         | Central Nervous System Infection          |
| 0551        | POSTMEASLES PNEUMONIA       | 113       | Viral and Unspecified Pneumonia, Pleurisy |
| 0552        | POSTMEASLES OTITIS MEDIA    | 6         | Other Infectious Diseases                 |
| 05571       | MEASLES KERATITIS           | 6         | Other Infectious Diseases                 |
| 05579       | MEASLES COMPLICATION NEC    | 6         | Other Infectious Diseases                 |
| 0558        | MEASLES COMPLICATION NOS    | 6         | Other Infectious Diseases                 |
| 0559        | MEASLES UNCOMPLICATED       | 6         | Other Infectious Diseases                 |
| 05600       | RUBELLA NERVE COMPL NOS     | 6         | Other Infectious Diseases                 |
| 05601       | RUBELLA ENCEPHALITIS        | 3         | Central Nervous System Infection          |
| 05609       | RUBELLA NERVE COMPL NEC     | 6         | Other Infectious Diseases                 |
| 05679       | RUBELLA COMPLICATION NEC    | 6         | Other Infectious Diseases                 |
| 0568        | RUBELLA COMPLICATION NOS    | 6         | Other Infectious Diseases                 |
| 0569        | RUBELLA UNCOMPLICATED       | 6         | Other Infectious Diseases                 |
| 0570        | ERYTHEMA INFECTIOSUM        | 6         | Other Infectious Diseases                 |
| 0578        | VIRAL EXANTHEMATA NEC       | 6         | Other Infectious Diseases                 |
| 0579        | VIRAL EXANTHEMATA NOS       | 6         | Other Infectious Diseases                 |
| 05810       | ROSEOLA INFANTUM NOS        | 6         | Other Infectious Diseases                 |
| 05811       | ROSEOLA INFANT D/T HHV-6    | 6         | Other Infectious Diseases                 |
| 05812       | ROSEOLA INFANT D/T HHV-7    | 6         | Other Infectious Diseases                 |
| 05821       | HUMAN HERPESVIR 6 ENCEPH    | 3         | Central Nervous System Infection          |
| 05829       | HUMAN HERPESVIR ENCPH NEC   | 3         | Central Nervous System Infection          |
| 05881       | HUMAN HERPESVIRUS 6 INFC    | 6         | Other Infectious Diseases                 |
| 05882       | HUMAN HERPESVIRUS 7 INFC    | 6         | Other Infectious Diseases                 |
| 05889       | HUMAN HERPESVIRUS INF NEC   | 6         | Other Infectious Diseases                 |
| 0600        | SYLVATIC YELLOW FEVER       | 6         | Other Infectious Diseases                 |
| 0601        | URBAN YELLOW FEVER          | 6         | Other Infectious Diseases                 |
| 0609        | YELLOW FEVER NOS            | 6         | Other Infectious Diseases                 |
| 061         | DENGUE                      | 6         | Other Infectious Diseases                 |
| 0620        | JAPANESE ENCEPHALITIS       | 3         | Central Nervous System Infection          |
| 0621        | WEST EQUINE ENCEPHALITIS    | 3         | Central Nervous System Infection          |
| 0622        | EAST EQUINE ENCEPHALITIS    | 3         | Central Nervous System Infection          |
| 0623        | ST LOUIS ENCEPHALITIS       | 3         | Central Nervous System Infection          |
| 0624        | AUSTRALIAN ENCEPHALITIS     | 3         | Central Nervous System Infection          |
| 0625        | CALIFORNIA ENCEPHALITIS     | 3         | Central Nervous System Infection          |
| 0628        | MOSQUIT-BORNE ENCEPH NEC    | 3         | Central Nervous System Infection          |
| 0629        | MOSQUIT-BORNE ENCEPH NOS    | 3         | Central Nervous System Infection          |
| 0630        | RUSSIA SPR-SUMMER ENCEPH    | 3         | Central Nervous System Infection          |
| 0631        | LOUPING ILL                 | 3         | Central Nervous System Infection          |
| 0632        | CENT EUROPE ENCEPHALITIS    | 3         | Central Nervous System Infection          |
| 0638        | TICK-BORNE ENCEPH NEC       | 3         | Central Nervous System Infection          |
| 0639        | TICK-BORNE ENCEPH NOS       | 3         | Central Nervous System Infection          |
| 064         | VIR ENCEPH ARTHROPOD NEC    | 3         | Central Nervous System Infection          |
| 0650        | CRIMEAN HEMORRHAGIC FEV     | 6         | Other Infectious Diseases                 |
| 0651        | OMSK HEMORRHAGIC FEVER      | 6         | Other Infectious Diseases                 |
| 0652        | KYASANUR FOREST DISEASE     | 6         | Other Infectious Diseases                 |
| 0653        | TICK-BORNE HEM FEVER NEC    | 6         | Other Infectious Diseases                 |
| 0654        | MOSQUITO-BORNE HEM FEVER    | 6         | Other Infectious Diseases                 |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                           |
|-------------|-----------------------------|-----------|---|
| 0658        | ARTHROPOD HEM FEVER NEC     | 6         | Other Infectious Diseases                 |
| 0659        | ARTHROPOD HEM FEVER NOS     | 6         | Other Infectious Diseases                 |
| 0660        | PHLEBOTOMUS FEVER           | 6         | Other Infectious Diseases                 |
| 0661        | TICK-BORNE FEVER            | 6         | Other Infectious Diseases                 |
| 0662        | VENEZUELAN EQUINE FEVER     | 3         | Central Nervous System Infection          |
| 0663        | MOSQUITO-BORNE FEVER NEC    | 6         | Other Infectious Diseases                 |
| 0664        | West Nile Fever             | 3         | Central Nervous System Infection          |
| 06640       | WEST NILE FEVER NOS         | 3         | Central Nervous System Infection          |
| 06641       | WEST NILE FEVER W/ENCEPH    | 3         | Central Nervous System Infection          |
| 06642       | WEST NILE NEURO MAN NEC     | 3         | Central Nervous System Infection          |
| 06649       | WEST NILE W COMPLIC NEC     | 3         | Central Nervous System Infection          |
| 0668        | ARTHROPOD VIRUS NEC         | 6         | Other Infectious Diseases                 |
| 0669        | ARTHROPOD VIRUS NOS         | 6         | Other Infectious Diseases                 |
| 0701        | HEPATITIS A W/O COMA        | 6         | Other Infectious Diseases                 |
| 0709        | VIRAL HEPAT NOS W/O COMA    | 6         | Other Infectious Diseases                 |
| 071         | RABIES                      | 3         | Central Nervous System Infection          |
| 0720        | MUMPS ORCHITIS              | 6         | Other Infectious Diseases                 |
| 0721        | MUMPS MENINGITIS            | 3         | Central Nervous System Infection          |
| 0722        | MUMPS ENCEPHALITIS          | 3         | Central Nervous System Infection          |
| 0723        | MUMPS PANCREATITIS          | 32        | Pancreatic Disease                        |
| 07271       | MUMPS HEPATITIS             | 6         | Other Infectious Diseases                 |
| 07272       | MUMPS POLYNEUROPATHY        | 6         | Other Infectious Diseases                 |
| 07279       | MUMPS COMPLICATION NEC      | 6         | Other Infectious Diseases                 |
| 0728        | MUMPS COMPLICATION NOS      | 6         | Other Infectious Diseases                 |
| 0729        | MUMPS UNCOMPLICATED         | 6         | Other Infectious Diseases                 |
| 0730        | ORNITHOSIS PNEUMONIA        | 113       | Viral and Unspecified Pneumonia, Pleurisy |
| 0737        | ORNITHOSIS COMPLICAT NEC    | 6         | Other Infectious Diseases                 |
| 0738        | ORNITHOSIS COMPLICAT NOS    | 6         | Other Infectious Diseases                 |
| 0739        | ORNITHOSIS NOS              | 6         | Other Infectious Diseases                 |
| 0740        | HERPANGINA                  | 6         | Other Infectious Diseases                 |
| 0741        | EPIDEMIC PLEURODYNIA        | 6         | Other Infectious Diseases                 |
| 0743        | HAND, FOOT & MOUTH DIS      | 6         | Other Infectious Diseases                 |
| 0748        | COXSACKIE VIRUS NEC         | 6         | Other Infectious Diseases                 |
| 075         | INFECTIOUS MONONUCLEOSIS    | 6         | Other Infectious Diseases                 |
| 0760        | TRACHOMA, INITIAL STAGE     | 6         | Other Infectious Diseases                 |
| 0761        | TRACHOMA, ACTIVE STAGE      | 6         | Other Infectious Diseases                 |
| 0769        | TRACHOMA NOS                | 6         | Other Infectious Diseases                 |
| 0770        | INCLUSION CONJUNCTIVITIS    | 6         | Other Infectious Diseases                 |
| 0771        | EPIDEM KERATOCONJUNCTIV     | 6         | Other Infectious Diseases                 |
| 0772        | PHARYNGOCONJUNCT FEVER      | 6         | Other Infectious Diseases                 |
| 0773        | ADENOVIRAL CONJUNCT NEC     | 6         | Other Infectious Diseases                 |
| 0774        | EPIDEM HEM CONJUNCTIVIT     | 6         | Other Infectious Diseases                 |
| 0778        | VIRAL CONJUNCTIVITIS NEC    | 6         | Other Infectious Diseases                 |
| 07798       | UNSP DS CONJUC CHLAMYDIA    | 6         | Other Infectious Diseases                 |
| 07799       | UNSP DS CONJUC VIRUSES      | 6         | Other Infectious Diseases                 |
| 0780        | MOLLUSCUM CONTAGIOSUM       | 6         | Other Infectious Diseases                 |
| 07810       | VIRAL WARTS NOS             | 6         | Other Infectious Diseases                 |
| 07811       | CONDYLOMA ACUMINATUM        | 6         | Other Infectious Diseases                 |
| 07819       | OTH SPECFD VIRAL WARTS      | 6         | Other Infectious Diseases                 |
| 0782        | SWEATING FEVER              | 6         | Other Infectious Diseases                 |
| 0783        | CAT-SCRATCH DISEASE         | 6         | Other Infectious Diseases                 |
| 0784        | FOOT & MOUTH DISEASE        | 6         | Other Infectious Diseases                 |
| 0785        | CYTOMEGALOVIRAL DISEASE     | 5         | Opportunistic Infections                  |
| 0787        | ARENAVIRAL HEM FEVER        | 6         | Other Infectious Diseases                 |
| 07881       | EPIDEMIC VERTIGO            | 6         | Other Infectious Diseases                 |
| 07882       | EPIDEMIC VOMITING SYND      | 6         | Other Infectious Diseases                 |
| 07888       | OTH SPEC DIS CHLAMYDIAE     | 6         | Other Infectious Diseases                 |
| 07889       | OTH SPEC DIS VIRUSES        | 6         | Other Infectious Diseases                 |
| 0790        | ADENOVIRUS INFECT NOS       | 6         | Other Infectious Diseases                 |
| 0791        | ECHO VIRUS INFECT NOS       | 6         | Other Infectious Diseases                 |
| 0792        | COXSACKIE VIRUS INF NOS     | 6         | Other Infectious Diseases                 |
| 0793        | RHINOVIRUS INFECT NOS       | 6         | Other Infectious Diseases                 |
| 0794        | HUMAN PAPILLOMAVIRUS        | 6         | Other Infectious Diseases                 |
| 07950       | RETROVIRUS, UNSPECIFIED     | 6         | Other Infectious Diseases                 |
| 07951       | HTLV-1 INFECTION OTH DIS    | 6         | Other Infectious Diseases                 |
| 07952       | HTLV-II INFECTN OTH DIS     | 6         | Other Infectious Diseases                 |
| 07953       | HIV-2 INFECTION OTH DIS     | 1         | HIV/AIDS                                  |
| 07959       | OTH SPECIFIED RETROVIRUS    | 6         | Other Infectious Diseases                 |
| 0796        | RESRTRY SYNCYTIAL VIRUS     | 6         | Other Infectious Diseases                 |
| 07981       | HANTAVIRUS INFECTION        | 113       | Viral and Unspecified Pneumonia, Pleurisy |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                           |
|-------------|-----------------------------|-----------|---|
| 07982       | SARS ASSOC CORONAVIRUS      | 113       | Viral and Unspecified Pneumonia, Pleurisy |
| 07983       | PARVOVIRUS B19              | 6         | Other Infectious Diseases                 |
| 07988       | OTH SPCF CHLAMYDIAL INFC    | 6         | Other Infectious Diseases                 |
| 07989       | OTH SPECF VIRAL INFECTN     | 6         | Other Infectious Diseases                 |
| 07998       | CHLAMYDIAL INFECTION NOS    | 6         | Other Infectious Diseases                 |
| 07999       | VIRAL INFECTION NOS         | 6         | Other Infectious Diseases                 |
| 080         | LOUSE-BORNE TYPHUS          | 6         | Other Infectious Diseases                 |
| 0810        | MURINE TYPHUS               | 6         | Other Infectious Diseases                 |
| 0811        | BRILL'S DISEASE             | 6         | Other Infectious Diseases                 |
| 0812        | SCRUB TYPHUS                | 6         | Other Infectious Diseases                 |
| 0819        | TYPHUS NOS                  | 6         | Other Infectious Diseases                 |
| 0820        | SPOTTED FEVERS              | 6         | Other Infectious Diseases                 |
| 0821        | BOUTONNEUSE FEVER           | 6         | Other Infectious Diseases                 |
| 0822        | NORTH ASIAN TICK FEVER      | 6         | Other Infectious Diseases                 |
| 0823        | QUEENSLAND TICK TYPHUS      | 6         | Other Infectious Diseases                 |
| 08240       | EHRlichiosis NOS            | 6         | Other Infectious Diseases                 |
| 08241       | EHRlichiosis CHAFEENSIS     | 6         | Other Infectious Diseases                 |
| 08249       | EHRlichiosis NEC            | 6         | Other Infectious Diseases                 |
| 0828        | TICK-BORNE RICKETTS NEC     | 6         | Other Infectious Diseases                 |
| 0829        | TICK-BORNE RICKETTS NOS     | 6         | Other Infectious Diseases                 |
| 0830        | Q FEVER                     | 6         | Other Infectious Diseases                 |
| 0831        | TRENCH FEVER                | 6         | Other Infectious Diseases                 |
| 0832        | RICKETTSIALPOX              | 6         | Other Infectious Diseases                 |
| 0838        | RICKETTSIOSIS NEC           | 6         | Other Infectious Diseases                 |
| 0839        | RICKETTSIOSIS NOS           | 6         | Other Infectious Diseases                 |
| 0840        | FALCIPARUM MALARIA          | 6         | Other Infectious Diseases                 |
| 0841        | VIVAX MALARIA               | 6         | Other Infectious Diseases                 |
| 0842        | QUARTAN MALARIA             | 6         | Other Infectious Diseases                 |
| 0843        | OVALE MALARIA               | 6         | Other Infectious Diseases                 |
| 0844        | MALARIA NEC                 | 6         | Other Infectious Diseases                 |
| 0845        | MIXED MALARIA               | 6         | Other Infectious Diseases                 |
| 0846        | MALARIA NOS                 | 6         | Other Infectious Diseases                 |
| 0847        | INDUCED MALARIA             | 6         | Other Infectious Diseases                 |
| 0848        | BLACKWATER FEVER            | 6         | Other Infectious Diseases                 |
| 0849        | MALARIA COMPLICATED NEC     | 6         | Other Infectious Diseases                 |
| 0850        | VISCERAL LEISHMANIASIS      | 6         | Other Infectious Diseases                 |
| 0851        | CUTAN LEISHMANIAS URBAN     | 6         | Other Infectious Diseases                 |
| 0852        | CUTAN LEISHMANIAS ASIAN     | 6         | Other Infectious Diseases                 |
| 0853        | CUTAN LEISHMANIAS ETHIOP    | 6         | Other Infectious Diseases                 |
| 0854        | CUTAN LEISHMANIAS AMER      | 6         | Other Infectious Diseases                 |
| 0855        | MUCOCUTAN LEISHMANIASIS     | 6         | Other Infectious Diseases                 |
| 0859        | LEISHMANIASIS NOS           | 6         | Other Infectious Diseases                 |
| 0860        | CHAGAS DISEASE OF HEART     | 6         | Other Infectious Diseases                 |
| 0861        | CHAGAS DIS OF OTH ORGAN     | 6         | Other Infectious Diseases                 |
| 0862        | CHAGAS DISEASE NOS          | 6         | Other Infectious Diseases                 |
| 0863        | GAMBIAN TRYPANOSOMIASIS     | 6         | Other Infectious Diseases                 |
| 0864        | RHODESIAN TRYPANOSOMIAS     | 6         | Other Infectious Diseases                 |
| 0865        | AFRICAN TRYPANOSOMA NOS     | 6         | Other Infectious Diseases                 |
| 0869        | TRYPANOSOMIASIS NOS         | 6         | Other Infectious Diseases                 |
| 0870        | LOUSE-BORNE RELAPS FEVER    | 6         | Other Infectious Diseases                 |
| 0871        | TICK-BORNE RELAPS FEVER     | 6         | Other Infectious Diseases                 |
| 0879        | RELAPSING FEVER NOS         | 6         | Other Infectious Diseases                 |
| 0880        | BARTONELLOSIS               | 6         | Other Infectious Diseases                 |
| 08881       | LYME DISEASE                | 6         | Other Infectious Diseases                 |
| 08882       | BABESIOSIS                  | 6         | Other Infectious Diseases                 |
| 08889       | OTH ARTHROPOD-BORNE DIS     | 6         | Other Infectious Diseases                 |
| 0889        | ARTHROPOD-BORNE DIS NOS     | 6         | Other Infectious Diseases                 |
| 0903        | SYPHILITIC KERATITIS        | 6         | Other Infectious Diseases                 |
| 09040       | JUVENILE NEUROSYPH NOS      | 3         | Central Nervous System Infection          |
| 09041       | CONGEN SYPH ENCEPHALITIS    | 3         | Central Nervous System Infection          |
| 09042       | CONGEN SYPH MENINGITIS      | 3         | Central Nervous System Infection          |
| 09049       | JUVENILE NEUROSYPH NEC      | 3         | Central Nervous System Infection          |
| 0905        | LATE CONGEN SYPH SYMPTOM    | 6         | Other Infectious Diseases                 |
| 0906        | LATE CONGEN SYPH LATENT     | 6         | Other Infectious Diseases                 |
| 0907        | LATE CONGEN SYPH NOS        | 6         | Other Infectious Diseases                 |
| 0909        | CONGENITAL SYPHILIS NOS     | 6         | Other Infectious Diseases                 |
| 0910        | PRIMARY GENITAL SYPHILIS    | 6         | Other Infectious Diseases                 |
| 0911        | PRIMARY ANAL SYPHILIS       | 6         | Other Infectious Diseases                 |
| 0912        | PRIMARY SYPHILIS NEC        | 6         | Other Infectious Diseases                 |
| 0913        | SECONDARY SYPH SKIN         | 6         | Other Infectious Diseases                 |



**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                  |
|-------------|-----------------------------|-----------|----------------------------------|
| 0914        | SYPHILITIC ADENOPATHY       | 6         | Other Infectious Diseases        |
| 09150       | SYPHILITIC UVEITIS NOS      | 6         | Other Infectious Diseases        |
| 09151       | SYPHILIT CHORIORETINITIS    | 6         | Other Infectious Diseases        |
| 09152       | SYPHILITIC IRIDOCYCLITIS    | 6         | Other Infectious Diseases        |
| 09161       | SYPHILITIC PERIOSTITIS      | 6         | Other Infectious Diseases        |
| 09169       | SECOND SYPH VISCERA NEC     | 6         | Other Infectious Diseases        |
| 0917        | SECOND SYPHILIS RELAPSE     | 6         | Other Infectious Diseases        |
| 09181       | ACUTE SYPHIL MENINGITIS     | 3         | Central Nervous System Infection |
| 09182       | SYPHILITIC ALOPECIA         | 6         | Other Infectious Diseases        |
| 09189       | SECONDARY SYPHILIS NEC      | 6         | Other Infectious Diseases        |
| 0919        | SECONDARY SYPHILIS NOS      | 6         | Other Infectious Diseases        |
| 0920        | EARLY SYPH LATENT RELAPS    | 6         | Other Infectious Diseases        |
| 0929        | EARLY SYPHIL LATENT NOS     | 6         | Other Infectious Diseases        |
| 0940        | TABES DORSALIS              | 3         | Central Nervous System Infection |
| 0941        | GENERAL PARESIS             | 3         | Central Nervous System Infection |
| 0942        | SYPHILITIC MENINGITIS       | 3         | Central Nervous System Infection |
| 0943        | ASYMPTOMAT NEUROSYPHILIS    | 3         | Central Nervous System Infection |
| 09481       | SYPHILITIC ENCEPHALITIS     | 3         | Central Nervous System Infection |
| 09482       | SYPHILITIC PARKINSONISM     | 3         | Central Nervous System Infection |
| 09483       | SYPH DISSEM RETINITIS       | 3         | Central Nervous System Infection |
| 09484       | SYPHILITIC OPTIC ATROPHY    | 3         | Central Nervous System Infection |
| 09485       | SYPH RETROBULB NEURITIS     | 3         | Central Nervous System Infection |
| 09486       | SYPHIL ACOUSTIC NEURITIS    | 3         | Central Nervous System Infection |
| 09489       | NEUROSYPHILIS NEC           | 3         | Central Nervous System Infection |
| 0949        | NEUROSYPHILIS NOS           | 3         | Central Nervous System Infection |
| 0950        | SYPHILITIC EPISCLERITIS     | 6         | Other Infectious Diseases        |
| 0951        | SYPHILIS OF LUNG            | 6         | Other Infectious Diseases        |
| 0952        | SYPHILITIC PERITONITIS      | 6         | Other Infectious Diseases        |
| 0954        | SYPHILIS OF KIDNEY          | 6         | Other Infectious Diseases        |
| 0955        | SYPHILIS OF BONE            | 6         | Other Infectious Diseases        |
| 0956        | SYPHILIS OF MUSCLE          | 6         | Other Infectious Diseases        |
| 0957        | SYPHILIS OF TENDON/BURSA    | 6         | Other Infectious Diseases        |
| 0958        | LATE SYMPT SYPHILIS NEC     | 6         | Other Infectious Diseases        |
| 0959        | LATE SYMPT SYPHILIS NOS     | 6         | Other Infectious Diseases        |
| 096         | LATE SYPHILIS LATENT        | 6         | Other Infectious Diseases        |
| 0970        | LATE SYPHILIS NOS           | 6         | Other Infectious Diseases        |
| 0971        | LATENT SYPHILIS NOS         | 6         | Other Infectious Diseases        |
| 0979        | SYPHILIS NOS                | 6         | Other Infectious Diseases        |
| 0980        | ACUTE GC INFECT LOWER GU    | 6         | Other Infectious Diseases        |
| 09810       | GC (ACUTE) UPPER GU NOS     | 6         | Other Infectious Diseases        |
| 09811       | GC CYSTITIS (ACUTE)         | 6         | Other Infectious Diseases        |
| 09812       | GC PROSTATITIS (ACUTE)      | 6         | Other Infectious Diseases        |
| 09813       | GC ORCHITIS (ACUTE)         | 6         | Other Infectious Diseases        |
| 09814       | GC SEM VESICULIT (ACUTE)    | 6         | Other Infectious Diseases        |
| 09815       | GC CERVICITIS (ACUTE)       | 6         | Other Infectious Diseases        |
| 09816       | GC ENDOMETRITIS (ACUTE)     | 6         | Other Infectious Diseases        |
| 09817       | ACUTE GC SALPINGITIS        | 6         | Other Infectious Diseases        |
| 09819       | GC (ACUTE) UPPER GU NEC     | 6         | Other Infectious Diseases        |
| 0982        | CHR GC INFECT LOWER GU      | 6         | Other Infectious Diseases        |
| 09830       | CHR GC UPPER GU NOS         | 6         | Other Infectious Diseases        |
| 09831       | GC CYSTITIS, CHRONIC        | 6         | Other Infectious Diseases        |
| 09832       | GC PROSTATITIS, CHRONIC     | 6         | Other Infectious Diseases        |
| 09833       | GC ORCHITIS, CHRONIC        | 6         | Other Infectious Diseases        |
| 09834       | GC SEM VESICULITIS, CHR     | 6         | Other Infectious Diseases        |
| 09835       | GC CERVICITIS, CHRONIC      | 6         | Other Infectious Diseases        |
| 09836       | GC ENDOMETRITIS, CHRONIC    | 6         | Other Infectious Diseases        |
| 09837       | GC SALPINGITIS (CHRONIC)    | 6         | Other Infectious Diseases        |
| 09839       | CHR GC UPPER GU NEC         | 6         | Other Infectious Diseases        |
| 09840       | GONOCOCCAL CONJUNCTIVIT     | 6         | Other Infectious Diseases        |
| 09842       | GONOCOCCAL ENDOPHTHALMIA    | 6         | Other Infectious Diseases        |
| 09843       | GONOCOCCAL KERATITIS        | 6         | Other Infectious Diseases        |
| 09849       | GONOCOCCAL EYE NEC          | 6         | Other Infectious Diseases        |
| 0986        | GONOCOCCAL INFEC PHARYNX    | 6         | Other Infectious Diseases        |
| 0987        | GC INFECT ANUS & RECTUM     | 6         | Other Infectious Diseases        |
| 09881       | GONOCOCCAL KERATOSIS        | 6         | Other Infectious Diseases        |
| 09882       | GONOCOCCAL MENINGITIS       | 3         | Central Nervous System Infection |
| 09885       | GONOCOCCAL HEART DIS NEC    | 6         | Other Infectious Diseases        |
| 09889       | GONOCOCCAL INF SITE NEC     | 6         | Other Infectious Diseases        |
| 0990        | CHANCROID                   | 6         | Other Infectious Diseases        |
| 0991        | LYMPHOGRANULOMA VENEREUM    | 6         | Other Infectious Diseases        |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                 |
|-------------|-----------------------------|-----------|---|
| 0992        | GRANULOMA INGUINALE         | 6         | Other Infectious Diseases                       |
| 09940       | UNSPCF NONGNCL URETHRTS     | 6         | Other Infectious Diseases                       |
| 09941       | CHLMYD TRACHOMATIS URETH    | 6         | Other Infectious Diseases                       |
| 09949       | NONGC URTH OTH SPF ORGSM    | 6         | Other Infectious Diseases                       |
| 09950       | OTH VD CHLM TRCH UNSP ST    | 6         | Other Infectious Diseases                       |
| 09951       | OTH VD CHLM TRCH PHARYNX    | 6         | Other Infectious Diseases                       |
| 09952       | OTH VD CHLM TRCH ANS RCT    | 6         | Other Infectious Diseases                       |
| 09953       | OTH VD CHLM TRCH LOWR GU    | 6         | Other Infectious Diseases                       |
| 09954       | OTH VD CHLM TRCH OTH GU     | 6         | Other Infectious Diseases                       |
| 09955       | OT VD CHLM TRCH UNSPF GU    | 6         | Other Infectious Diseases                       |
| 09956       | OT VD CHLM TRCH PRONEUM     | 6         | Other Infectious Diseases                       |
| 09959       | OTH VD CHLM TRCH SPCF ST    | 6         | Other Infectious Diseases                       |
| 0998        | VENEREAL DISEASE NEC        | 6         | Other Infectious Diseases                       |
| 0999        | VENEREAL DISEASE NOS        | 6         | Other Infectious Diseases                       |
| 1000        | LEPTOSPIROS ICTEROHEM       | 6         | Other Infectious Diseases                       |
| 10081       | LEPTOSPIRAL MENINGITIS      | 3         | Central Nervous System Infection                |
| 10089       | LEPTOSPIRAL INFECT NEC      | 6         | Other Infectious Diseases                       |
| 1009        | LEPTOSPIROSIS NOS           | 6         | Other Infectious Diseases                       |
| 101         | VINCENT'S ANGINA            | 6         | Other Infectious Diseases                       |
| 1020        | INITIAL LESIONS YAWS        | 6         | Other Infectious Diseases                       |
| 1021        | MULTIPLE PAPILLOMATA        | 6         | Other Infectious Diseases                       |
| 1022        | EARLY SKIN YAWS NEC         | 6         | Other Infectious Diseases                       |
| 1023        | HYPERKERATOSIS OF YAWS      | 6         | Other Infectious Diseases                       |
| 1024        | GUMMATA AND ULCERS, YAWS    | 6         | Other Infectious Diseases                       |
| 1025        | GANGOSA                     | 6         | Other Infectious Diseases                       |
| 1027        | YAWS MANIFESTATIONS NEC     | 6         | Other Infectious Diseases                       |
| 1028        | LATENT YAWS                 | 6         | Other Infectious Diseases                       |
| 1029        | YAWS NOS                    | 6         | Other Infectious Diseases                       |
| 1030        | PINTA PRIMARY LESIONS       | 6         | Other Infectious Diseases                       |
| 1031        | PINTA INTERMED LESIONS      | 6         | Other Infectious Diseases                       |
| 1032        | PINTA LATE LESIONS          | 6         | Other Infectious Diseases                       |
| 1033        | PINTA MIXED LESIONS         | 6         | Other Infectious Diseases                       |
| 1039        | PINTA NOS                   | 6         | Other Infectious Diseases                       |
| 1040        | NONVENEREAL ENDEMIC SYPH    | 6         | Other Infectious Diseases                       |
| 1048        | SPIROCHETAL INFECT NEC      | 6         | Other Infectious Diseases                       |
| 1049        | SPIROCHETAL INFECT NOS      | 6         | Other Infectious Diseases                       |
| 1100        | DERMATOPHYT SCALP/BEARD     | 6         | Other Infectious Diseases                       |
| 1101        | DERMATOPHYTOSIS OF NAIL     | 6         | Other Infectious Diseases                       |
| 1102        | DERMATOPHYTOSIS OF HAND     | 6         | Other Infectious Diseases                       |
| 1103        | DERMATOPHYTOSIS OF GROIN    | 6         | Other Infectious Diseases                       |
| 1104        | DERMATOPHYTOSIS OF FOOT     | 6         | Other Infectious Diseases                       |
| 1105        | DERMATOPHYTOSIS OF BODY     | 6         | Other Infectious Diseases                       |
| 1106        | DEEP DERMATOPHYTOSIS        | 6         | Other Infectious Diseases                       |
| 1108        | DERMATOPHYTOSIS SITE NEC    | 6         | Other Infectious Diseases                       |
| 1109        | DERMATOPHYTOSIS SITE NOS    | 6         | Other Infectious Diseases                       |
| 1110        | PITYRIASIS VERSICOLOR       | 6         | Other Infectious Diseases                       |
| 1111        | TINEA NIGRA                 | 6         | Other Infectious Diseases                       |
| 1112        | TINEA BLANCA                | 6         | Other Infectious Diseases                       |
| 1113        | BLACK PIEDRA                | 6         | Other Infectious Diseases                       |
| 1118        | DERMATOMYCOSES NEC          | 6         | Other Infectious Diseases                       |
| 1119        | DERMATOMYCOSIS NOS          | 6         | Other Infectious Diseases                       |
| 1120        | THRUSH                      | 6         | Other Infectious Diseases                       |
| 1122        | CANDIDIAS UROGENITAL NEC    | 6         | Other Infectious Diseases                       |
| 1123        | CUTANEOUS CANDIDIASIS       | 6         | Other Infectious Diseases                       |
| 1124        | CANDIDIASIS OF LUNG         | 5         | Opportunistic Infections                        |
| 1125        | DISSEMINATED CANDIDIASIS    | 5         | Opportunistic Infections                        |
| 11282       | CANDIDAL OTITIS EXTERNA     | 6         | Other Infectious Diseases                       |
| 11283       | CANDIDAL MENINGITIS         | 3         | Central Nervous System Infection                |
| 11284       | CANDIDAL ESOPHAGITIS        | 5         | Opportunistic Infections                        |
| 11285       | CANDIDAL ENTERITIS          | 6         | Other Infectious Diseases                       |
| 11289       | CANDIDIASIS SITE NEC        | 6         | Other Infectious Diseases                       |
| 1129        | CANDIDIASIS SITE NOS        | 6         | Other Infectious Diseases                       |
| 1140        | PRIMARY COCCIDIOIDOMYCOS    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 1141        | PRIM CUTAN COCCIDIOID       | 6         | Other Infectious Diseases                       |
| 1142        | COCCIDIOIDAL MENINGITIS     | 3         | Central Nervous System Infection                |
| 1143        | PROGRESS COCCIDIOID NEC     | 6         | Other Infectious Diseases                       |
| 1144        | CH PL COCCIDIOIDOMYCOSIS    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 1145        | PL COCCIDIOIDOMYCOSIS NOS   | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 1149        | COCCIDIOIDOMYCOSIS NOS      | 6         | Other Infectious Diseases                       |
| 11500       | HISTOPLASMA CAPSULAT NOS    | 6         | Other Infectious Diseases                       |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                 |
|-------------|-----------------------------|-----------|---|
| 11501       | HISTOPLASM CAPSUL MENING    | 3         | Central Nervous System Infection                |
| 11502       | HISTOPLASM CAPSUL RETINA    | 6         | Other Infectious Diseases                       |
| 11505       | HISTOPLASM CAPS PNEUMON     | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 11509       | HISTOPLASMA CAPSULAT NEC    | 6         | Other Infectious Diseases                       |
| 11510       | HISTOPLASMA DUBOISII NOS    | 6         | Other Infectious Diseases                       |
| 11511       | HISTOPLASM DUBOIS MENING    | 3         | Central Nervous System Infection                |
| 11512       | HISTOPLASM DUBOIS RETINA    | 6         | Other Infectious Diseases                       |
| 11515       | HISTOPLASM DUB PNEUMONIA    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 11519       | HISTOPLASMA DUBOISII NEC    | 6         | Other Infectious Diseases                       |
| 11590       | HISTOPLASMOSIS NOS          | 6         | Other Infectious Diseases                       |
| 11591       | HISTOPLASMOSIS MENINGIT     | 3         | Central Nervous System Infection                |
| 11592       | HISTOPLASMOSIS RETINITIS    | 6         | Other Infectious Diseases                       |
| 11595       | HISTOPLASMOSIS PNEUMONIA    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 11599       | HISTOPLASMOSIS NEC          | 6         | Other Infectious Diseases                       |
| 1160        | BLASTOMYCOSIS               | 6         | Other Infectious Diseases                       |
| 1161        | PARACOCCIDIOIDOMYCOSIS      | 6         | Other Infectious Diseases                       |
| 1162        | LOBOMYCOSIS                 | 6         | Other Infectious Diseases                       |
| 1170        | RHINOSPORIDIOSIS            | 6         | Other Infectious Diseases                       |
| 1171        | SPOROTRICHOSIS              | 6         | Other Infectious Diseases                       |
| 1172        | CHROMOBLASTOMYCOSIS         | 6         | Other Infectious Diseases                       |
| 1173        | ASPERGILLOSIS               | 5         | Opportunistic Infections                        |
| 1174        | MYCOTIC MYCETOMAS           | 6         | Other Infectious Diseases                       |
| 1175        | CRYPTOCOCCOSIS              | 5         | Opportunistic Infections                        |
| 1176        | ALLESCHERIOSIS              | 6         | Other Infectious Diseases                       |
| 1177        | ZYGOMYCOSIS                 | 5         | Opportunistic Infections                        |
| 1178        | DEMATIACIOUS FUNGI INF      | 6         | Other Infectious Diseases                       |
| 1179        | MYCOSES NEC & NOS           | 6         | Other Infectious Diseases                       |
| 118         | OPPORTUNISTIC MYCOSES       | 6         | Other Infectious Diseases                       |
| 1200        | SCHISTOSOMA HAEMATOBIIUM    | 6         | Other Infectious Diseases                       |
| 1201        | SCHISTOSOMA MANSONI         | 6         | Other Infectious Diseases                       |
| 1202        | SCHISTOSOMA JAPONICUM       | 6         | Other Infectious Diseases                       |
| 1203        | CUTANEOUS SCHISTOSOMA       | 6         | Other Infectious Diseases                       |
| 1208        | SCHISTOSOMIASIS NEC         | 6         | Other Infectious Diseases                       |
| 1209        | SCHISTOSOMIASIS NOS         | 6         | Other Infectious Diseases                       |
| 1210        | OPISTHORCHIASIS             | 6         | Other Infectious Diseases                       |
| 1211        | CLONORCHIASIS               | 6         | Other Infectious Diseases                       |
| 1212        | PARAGONIMIASIS              | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 1213        | FASCIOLIASIS                | 6         | Other Infectious Diseases                       |
| 1214        | FASCIOLOPSIASIS             | 6         | Other Infectious Diseases                       |
| 1215        | METAGONIMIASIS              | 6         | Other Infectious Diseases                       |
| 1216        | HETEROPHYIASIS              | 6         | Other Infectious Diseases                       |
| 1218        | TREMATODE INFECTION NEC     | 6         | Other Infectious Diseases                       |
| 1219        | TREMATODE INFECTION NOS     | 6         | Other Infectious Diseases                       |
| 1221        | ECHINOCOCC GRANUL LUNG      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 1222        | ECHINOCOCC GRAN THYROID     | 6         | Other Infectious Diseases                       |
| 1223        | ECHINOCOCC GRANUL NEC       | 6         | Other Infectious Diseases                       |
| 1224        | ECHINOCOCC GRANUL NOS       | 6         | Other Infectious Diseases                       |
| 1226        | ECHINOCOCC MULTILOC NEC     | 6         | Other Infectious Diseases                       |
| 1227        | ECHINOCOCC MULTILOC NOS     | 6         | Other Infectious Diseases                       |
| 1229        | ECHINOCOCCOSIS NEC/NOS      | 6         | Other Infectious Diseases                       |
| 1230        | TAENIA SOLIUM INTESTINE     | 6         | Other Infectious Diseases                       |
| 1231        | CYSTICERCOSIS               | 6         | Other Infectious Diseases                       |
| 1232        | TAENIA SAGINATA INFECT      | 6         | Other Infectious Diseases                       |
| 1233        | TAENIASIS NOS               | 6         | Other Infectious Diseases                       |
| 1234        | DIPHYLLOBOTHRIAS INTEST     | 6         | Other Infectious Diseases                       |
| 1235        | SPARGANOSIS                 | 6         | Other Infectious Diseases                       |
| 1236        | HYMENOLEPIASIS              | 6         | Other Infectious Diseases                       |
| 1238        | CESTODE INFECTION NEC       | 6         | Other Infectious Diseases                       |
| 1239        | CESTODE INFECTION NOS       | 6         | Other Infectious Diseases                       |
| 124         | TRICHINOSIS                 | 6         | Other Infectious Diseases                       |
| 1250        | BANCROFTIAN FILARIASIS      | 6         | Other Infectious Diseases                       |
| 1251        | MALAYAN FILARIASIS          | 6         | Other Infectious Diseases                       |
| 1252        | LOIASIS                     | 6         | Other Infectious Diseases                       |
| 1253        | ONCHOCERCIASIS              | 6         | Other Infectious Diseases                       |
| 1254        | DIPETALONEMIASIS            | 6         | Other Infectious Diseases                       |
| 1255        | MANSONELLA OZZARDI INFEC    | 6         | Other Infectious Diseases                       |
| 1256        | FILARIASIS NEC              | 6         | Other Infectious Diseases                       |
| 1257        | DRACONTIASIS                | 6         | Other Infectious Diseases                       |
| 1259        | FILARIASIS NOS              | 6         | Other Infectious Diseases                       |
| 1260        | ANCYLOSTOMA DUODENALE       | 6         | Other Infectious Diseases                       |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1261        | NECATOR AMERICANUS          | 6         | Other Infectious Diseases                                       |
| 1262        | ANCYLOSTOMA BRAZILIENSE     | 6         | Other Infectious Diseases                                       |
| 1263        | ANCYLOSTOMA CEYLANICUM      | 6         | Other Infectious Diseases                                       |
| 1268        | ANCYLOSTOMA NEC             | 6         | Other Infectious Diseases                                       |
| 1269        | ANCYLOSTOMIASIS NOS         | 6         | Other Infectious Diseases                                       |
| 1270        | ASCARIASIS                  | 6         | Other Infectious Diseases                                       |
| 1271        | ANISAKIASIS                 | 6         | Other Infectious Diseases                                       |
| 1272        | STRONGYLOIDIASIS            | 6         | Other Infectious Diseases                                       |
| 1273        | TRICHURIASIS                | 6         | Other Infectious Diseases                                       |
| 1274        | ENTEROBIASIS                | 6         | Other Infectious Diseases                                       |
| 1275        | CAPILLARIASIS               | 6         | Other Infectious Diseases                                       |
| 1276        | TRICHOSTRONGYLIASIS         | 6         | Other Infectious Diseases                                       |
| 1277        | INTEST HELMINTHIASIS NEC    | 6         | Other Infectious Diseases                                       |
| 1278        | MIXED INTESTINE HELMINTH    | 6         | Other Infectious Diseases                                       |
| 1279        | INTEST HELMINTHIASIS NOS    | 6         | Other Infectious Diseases                                       |
| 1280        | TOXOCARIASIS                | 6         | Other Infectious Diseases                                       |
| 1281        | GNATHOSTOMIASIS             | 6         | Other Infectious Diseases                                       |
| 1288        | HELMINTHIASIS NEC           | 6         | Other Infectious Diseases                                       |
| 1289        | HELMINTHIASIS NOS           | 6         | Other Infectious Diseases                                       |
| 129         | INTESTIN PARASITISM NOS     | 6         | Other Infectious Diseases                                       |
| 1300        | TOXOPLASM MENINGOENCEPH     | 5         | Opportunistic Infections  |
| 1301        | TOXOPLASM CONJUNCTIVITIS    | 6         | Other Infectious Diseases                                       |
| 1304        | TOXOPLASMA PNEUMONITIS      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess                 |
| 1307        | TOXOPLASMOSIS SITE NEC      | 6         | Other Infectious Diseases                                       |
| 1308        | MULTISYSTEM TOXOPLASMOS     | 5         | Opportunistic Infections  |
| 1309        | TOXOPLASMOSIS NOS           | 6         | Other Infectious Diseases                                       |
| 1320        | PEDICULUS CAPITIS           | 6         | Other Infectious Diseases                                       |
| 1321        | PEDICULUS CORPORIS          | 6         | Other Infectious Diseases                                       |
| 1322        | PHTHIRUS PUBIS              | 6         | Other Infectious Diseases                                       |
| 1323        | MIXED PEDICUL & PHTHIRUS    | 6         | Other Infectious Diseases                                       |
| 1329        | PEDICULOSIS NOS             | 6         | Other Infectious Diseases                                       |
| 1330        | SCABIES                     | 6         | Other Infectious Diseases                                       |
| 1338        | ACARIASIS NEC               | 6         | Other Infectious Diseases                                       |
| 1339        | ACARIASIS NOS               | 6         | Other Infectious Diseases                                       |
| 1340        | MYIASIS                     | 6         | Other Infectious Diseases                                       |
| 1341        | ARTHROPOD INFEST NEC        | 6         | Other Infectious Diseases                                       |
| 1342        | HIRUDINIASIS                | 6         | Other Infectious Diseases                                       |
| 1348        | INFESTATION NEC             | 6         | Other Infectious Diseases                                       |
| 1349        | INFESTATION NOS             | 6         | Other Infectious Diseases                                       |
| 135         | SARCOIDOSIS                 | 109       | Fibrosis of Lung and Other Chronic Lung Disorders               |
| 1360        | AINHUM                      | 6         | Other Infectious Diseases                                       |
| 1361        | BEHCET'S SYNDROME           | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 1362        | FREE-LIVING AMEBA INFECT    | 6         | Other Infectious Diseases                                       |
| 1363        | PNEUMOCYSTOSIS              | 5         | Opportunistic Infections  |
| 1364        | PSOROSPERMIASIS             | 6         | Other Infectious Diseases                                       |
| 1365        | SARCOSPORIDIOSIS            | 6         | Other Infectious Diseases                                       |
| 1368        | INFECT/PARASITE DIS NEC     | 6         | Other Infectious Diseases                                       |
| 1369        | INFECT/PARASITE DIS NOS     | 6         | Other Infectious Diseases                                       |
| 1370        | LATE EFFECT TB, RESP/NOS    | 6         | Other Infectious Diseases                                       |
| 1371        | LATE EFFECT CNS TB          | 3         | Central Nervous System Infection                                |
| 1372        | LATE EFFECT GU TB           | 6         | Other Infectious Diseases                                       |
| 1373        | LATE EFF BONE & JOINT TB    | 6         | Other Infectious Diseases                                       |
| 1374        | LATE EFFECT TB NEC          | 6         | Other Infectious Diseases                                       |
| 138         | LATE EFFECT ACUTE POLIO     | 3         | Central Nervous System Infection                                |
| 1390        | LATE EFF VIRAL ENCEPHAL     | 3         | Central Nervous System Infection                                |
| 1391        | LATE EFFECT OF TRACHOMA     | 6         | Other Infectious Diseases                                       |
| 1398        | LATE EFF INFECT DIS NEC     | 6         | Other Infectious Diseases                                       |
| 1410        | MAL NEO TONGUE BASE         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1411        | MAL NEO DORSAL TONGUE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1412        | MAL NEO TIP/LAT TONGUE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1413        | MAL NEO VENTRAL TONGUE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1414        | MAL NEO ANT 2/3 TONGUE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1415        | MAL NEO TONGUE JUNCTION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1416        | MAL NEO LINGUAL TONSIL      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1418        | MALIG NEO TONGUE NEC        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1419        | MALIG NEO TONGUE NOS        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1420        | MALIG NEO PAROTID           | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1421        | MALIG NEO SUBMANDIBULAR     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1422        | MALIG NEO SUBLINGUAL        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |
| 1428        | MAL NEO MAJ SALIVARY NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers        |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1429        | MAL NEO SALIVARY NOS        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1430        | MALIG NEO UPPER GUM         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1431        | MALIG NEO LOWER GUM         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1438        | MALIG NEO GUM NEC           | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1439        | MALIG NEO GUM NOS           | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1440        | MAL NEO ANT FLOOR MOUTH     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1441        | MAL NEO LAT FLOOR MOUTH     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1448        | MAL NEO MOUTH FLOOR NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1449        | MAL NEO MOUTH FLOOR NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1450        | MAL NEO CHEEK MUCOSA        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1451        | MAL NEO MOUTH VESTIBULE     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1452        | MALIG NEO HARD PALATE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1453        | MALIG NEO SOFT PALATE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1454        | MALIGNANT NEOPLASM UVULA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1455        | MALIGNANT NEO PALATE NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1456        | MALIG NEO RETROMOLAR        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1458        | MALIG NEOPLASM MOUTH NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1459        | MALIG NEOPLASM MOUTH NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1460        | MALIGNANT NEOPL TONSIL      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1461        | MAL NEO TONSILLAR FOSSA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1462        | MAL NEO TONSIL PILLARS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1463        | MALIGN NEOPL VALLECULA      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1464        | MAL NEO ANT EPIGLOTTIS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1465        | MAL NEO EPIGLOTTIS JUNCT    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1466        | MAL NEO LAT OROPHARYNX      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1467        | MAL NEO POST OROPHARYNX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1468        | MAL NEO OROPHARYNX NEC      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1469        | MALIG NEO OROPHARYNX NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1470        | MAL NEO SUPER NASOPHARYNX   | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1471        | MAL NEO POST NASOPHARYNX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1472        | MAL NEO LAT NASOPHARYNX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1473        | MAL NEO ANT NASOPHARYNX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1478        | MAL NEO NASOPHARYNX NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1479        | MAL NEO NASOPHARYNX NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1480        | MAL NEO POSTCRICOID         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1481        | MAL NEO PYRIFORM SINUS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1482        | MAL NEO ARYEPIGLOTT FOLD    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1483        | MAL NEO POST HYPOPHARYNX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1488        | MAL NEO HYPOPHARYNX NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1489        | MAL NEO HYPOPHARYNX NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1490        | MAL NEO PHARYNX NOS         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1491        | MAL NEO WALDEYER'S RING     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1498        | MAL NEO ORAL/PHARYNX NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1499        | MAL NEO OROPHRYN ILL-DEF    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1500        | MAL NEO CERVICAL ESOPHAG    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1501        | MAL NEO THORACIC ESOPHAG    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1502        | MAL NEO ABDOMIN ESOPHAG     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1503        | MAL NEO UPPER 3RD ESOPH     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1504        | MAL NEO MIDDLE 3RD ESOPH    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1505        | MAL NEO LOWER 3RD ESOPH     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1508        | MAL NEO ESOPHAGUS NEC       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1509        | MAL NEO ESOPHAGUS NOS       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1510        | MAL NEO STOMACH CARDIA      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1511        | MALIGNANT NEO PYLORUS       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1512        | MAL NEO PYLORIC ANTRUM      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1513        | MAL NEO STOMACH FUNDUS      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1514        | MAL NEO STOMACH BODY        | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1515        | MAL NEO STOM LESSER CURV    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1516        | MAL NEO STOM GREAT CURV     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1518        | MALIG NEOPL STOMACH NEC     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1519        | MALIG NEOPL STOMACH NOS     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1520        | MALIGNANT NEOPL DUODENUM    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1521        | MALIGNANT NEOPL JEJUNUM     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1522        | MALIGNANT NEOPLASM ILEUM    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1523        | MAL NEO MECKEL'S DIVERT     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1528        | MAL NEO SMALL BOWEL NEC     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1529        | MAL NEO SMALL BOWEL NOS     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1530        | MAL NEO HEPATIC FLEXURE     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1531        | MAL NEO TRANSVERSE COLON    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1532        | MAL NEO DESCEND COLON       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1533        | MAL NEO SIGMOID COLON       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1534        | MALIGNANT NEOPLASM CECUM    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1535        | MALIGNANT NEO APPENDIX      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1536        | MALIG NEO ASCEND COLON      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1537        | MAL NEO SPLENIC FLEXURE     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1538        | MALIGNANT NEO COLON NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1539        | MALIGNANT NEO COLON NOS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1540        | MAL NEO RECTOSIGMOID JCT    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1541        | MALIGNANT NEOPL RECTUM      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1542        | MALIG NEOPL ANAL CANAL      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1543        | MALIGNANT NEO ANUS NOS      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1548        | MAL NEO RECTUM/ANUS NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1550        | MAL NEO LIVER, PRIMARY      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1551        | MAL NEO INTRAHEPAT DUCTS    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1552        | MALIGNANT NEO LIVER NOS     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1560        | MALIG NEO GALLBLADDER       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1561        | MAL NEO EXTRAHEPAT DUCTS    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1562        | MAL NEO AMPULLA OF VATER    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1568        | MALIG NEO BILIARY NEC       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1569        | MALIG NEO BILIARY NOS       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1570        | MAL NEO PANCREAS HEAD       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1571        | MAL NEO PANCREAS BODY       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1572        | MAL NEO PANCREAS TAIL       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1573        | MAL NEO PANCREATIC DUCT     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1574        | MAL NEO ISLET LANGERHANS    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1578        | MALIG NEO PANCREAS NEC      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1579        | MALIG NEO PANCREAS NOS      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1580        | MAL NEO RETROPERITONEUM     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1588        | MAL NEO PERITONEUM NEC      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1589        | MAL NEO PERITONEUM NOS      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1590        | MALIG NEO INTESTINE NOS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1591        | MALIGNANT NEO SPLEEN NEC    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1598        | MAL NEO GI/INTRA-ABD NEC    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1599        | MAL NEO GI TRACT ILL-DEF    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1600        | MAL NEO NASAL CAVITIES      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1601        | MALIG NEO MIDDLE EAR        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1602        | MAL NEO MAXILLARY SINUS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1603        | MAL NEO ETHMOIDAL SINUS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1604        | MALIG NEO FRONTAL SINUS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1605        | MAL NEO SPHENOID SINUS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1608        | MAL NEO ACCESS SINUS NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1609        | MAL NEO ACCESS SINUS NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1610        | MALIGNANT NEO GLOTTIS       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1611        | MALIG NEO SUPRAGLOTTIS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1612        | MALIG NEO SUBGLOTTIS        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1613        | MAL NEO CARTILAGE LARYNX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1618        | MALIGNANT NEO LARYNX NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1619        | MALIGNANT NEO LARYNX NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1620        | MALIGNANT NEO TRACHEA       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1622        | MALIG NEO MAIN BRONCHUS     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1623        | MAL NEO UPPER LOBE LUNG     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1624        | MAL NEO MIDDLE LOBE LUNG    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1625        | MAL NEO LOWER LOBE LUNG     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1628        | MAL NEO BRONCH/LUNG NEC     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1629        | MAL NEO BRONCH/LUNG NOS     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1630        | MAL NEO PARIETAL PLEURA     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1631        | MAL NEO VISCERAL PLEURA     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1638        | MALIG NEOPL PLEURA NEC      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1639        | MALIG NEOPL PLEURA NOS      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers     |
| 1640        | MALIGNANT NEOPL THYMUS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1641        | MALIGNANT NEOPL HEART       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1642        | MAL NEO ANT MEDIASTINUM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1643        | MAL NEO POST MEDIASTINUM    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1648        | MAL NEO MEDIASTINUM NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1649        | MAL NEO MEDIASTINUM NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1650        | MAL NEO UPPER RESP NOS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1658        | MAL NEO THORAX/RESP NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1659        | MAL NEO RESP SYSTEM NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1700        | MAL NEO SKULL/FACE BONE     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1701        | MALIGNANT NEO MANDIBLE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1702        | MALIG NEO VERTEBRAE         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1703        | MAL NEO RIBS/STERN/CLAV     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1704        | MAL NEO LONG BONES ARM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1705        | MAL NEO BONES WRIST/HAND    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1706        | MAL NEO PELVIC GIRDLE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1707        | MAL NEO LONG BONES LEG      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1708        | MAL NEO BONES ANKLE/FOOT    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1709        | MALIG NEOPL BONE NOS        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1710        | MAL NEO SOFT TISSUE HEAD    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1712        | MAL NEO SOFT TISSUE ARM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1713        | MAL NEO SOFT TISSUE LEG     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1714        | MAL NEO SOFT TIS THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1715        | MAL NEO SOFT TIS ABDOMEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1716        | MAL NEO SOFT TIS PELVIS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1717        | MAL NEOPL TRUNK NOS         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1718        | MAL NEO SOFT TISSUE NEC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1719        | MAL NEO SOFT TISSUE NOS     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1720        | MALIG MELANOMA LIP          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1721        | MALIG MELANOMA EYELID       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1722        | MALIG MELANOMA EAR          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1723        | MAL MELANOM FACE NEC/NOS    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1724        | MAL MELANOMA SCALP/NECK     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1725        | MALIG MELANOMA TRUNK        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1726        | MALIG MELANOMA ARM          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1727        | MALIG MELANOMA LEG          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1728        | MALIG MELANOMA SKIN NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1729        | MALIG MELANOMA SKIN NOS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1740        | MALIG NEO NIPPLE            | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1741        | MAL NEO BREAST-CENTRAL      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1742        | MAL NEO BREAST UP-INNER     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1743        | MAL NEO BREAST LOW-INNER    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1744        | MAL NEO BREAST UP-OUTER     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1745        | MAL NEO BREAST LOW-OUTER    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1746        | MAL NEO BREAST-AXILLARY     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1748        | MALIGN NEOPL BREAST NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1749        | MALIGN NEOPL BREAST NOS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1750        | MAL NEO MALE NIPPLE         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1759        | MAL NEO MALE BREAST NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1760        | SKIN - KAPOSI'S SARCOMA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1761        | SFT TISUE - KPSI'S SRCMA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1762        | PALATE - KPSI'S SARCOMA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1763        | GI SITES - KPSI'S SRCOMA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1764        | LUNG - KAPOSI'S SARCOMA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1765        | LYM NDS - KPSI'S SARCOMA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1768        | SPF STS - KPSI'S SARCOMA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1769        | KAPOSI'S SARCOMA NOS        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 179         | MALIG NEOPL UTERUS NOS      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1800        | MALIG NEO ENDOCERVIX        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1801        | MALIG NEO EXOCERVIX         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1808        | MALIG NEO CERVIX NEC        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1809        | MAL NEO CERVIX UTERI NOS    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 181         | MALIGNANT NEOPL PLACENTA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1820        | MALIG NEO CORPUS UTERI      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1821        | MAL NEO UTERINE ISTHMUS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1828        | MAL NEO BODY UTERUS NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1830        | MALIGN NEOPL OVARY          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1832        | MAL NEO FALLOPIAN TUBE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1833        | MAL NEO BROAD LIGAMENT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1834        | MALIG NEO PARAMETRIUM       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1835        | MAL NEO ROUND LIGAMENT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1838        | MAL NEO ADNEXA NEC          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1839        | MAL NEO ADNEXA NOS          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1840        | MALIGN NEOPL VAGINA         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1841        | MAL NEO LABIA MAJORA        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1842        | MAL NEO LABIA MINORA        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1843        | MALIGN NEOPL CLITORIS       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1844        | MALIGN NEOPL VULVA NOS      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1848        | MAL NEO FEMALE GENIT NEC    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1849        | MAL NEO FEMALE GENIT NOS    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 185         | MALIGN NEOPL PROSTATE       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1860        | MAL NEO UNDESCEND TESTIS    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1869        | MALIG NEO TESTIS NEC        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1871        | MALIGN NEOPL PREPUCE        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1872        | MALIG NEO GLANS PENIS       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1873        | MALIG NEO PENIS BODY        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1874        | MALIG NEO PENIS NOS         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1875        | MALIG NEO EPIDIDYMIS        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1876        | MAL NEO SPERMATIC CORD      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1877        | MALIGN NEOPL SCROTUM        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1878        | MAL NEO MALE GENITAL NEC    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1879        | MAL NEO MALE GENITAL NOS    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1880        | MAL NEO BLADDER-TRIGONE     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1881        | MAL NEO BLADDER-DOME        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1882        | MAL NEO BLADDER-LATERAL     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1883        | MAL NEO BLADDER-ANTERIOR    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1884        | MAL NEO BLADDER-POST        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1885        | MAL NEO BLADDER NECK        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1886        | MAL NEO URETERIC ORIFICE    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1887        | MALIG NEO URACHUS           | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1888        | MALIG NEO BLADDER NEC       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1889        | MALIG NEO BLADDER NOS       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1890        | MALIG NEOPL KIDNEY          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1891        | MALIG NEO RENAL PELVIS      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1892        | MALIGN NEOPL URETER         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1893        | MALIGN NEOPL URETHRA        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1894        | MAL NEO PARAURETHRAL        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1898        | MAL NEO URINARY NEC         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1899        | MAL NEO URINARY NOS         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1900        | MALIGN NEOPL EYEBALL        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1901        | MALIGN NEOPL ORBIT          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1902        | MAL NEO LACRIMAL GLAND      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1903        | MAL NEO CONJUNCTIVA         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1904        | MALIGN NEOPL CORNEA         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1905        | MALIGN NEOPL RETINA         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1906        | MALIGN NEOPL CHOROIOD       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1907        | MAL NEO LACRIMAL DUCT       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1908        | MALIGN NEOPL EYE NEC        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1909        | MALIGN NEOPL EYE NOS        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1910        | MALIGN NEOPL CEREBRUM       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1911        | MALIG NEO FRONTAL LOBE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1912        | MAL NEO TEMPORAL LOBE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1913        | MAL NEO PARIETAL LOBE       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1914        | MAL NEO OCCIPITAL LOBE      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1915        | MAL NEO CEREB VENTRICLE     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1916        | MAL NEO CEREBELLUM NOS      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1917        | MAL NEO BRAIN STEM          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1918        | MALIG NEO BRAIN NEC         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1919        | MALIG NEO BRAIN NOS         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1920        | MAL NEO CRANIAL NERVES      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1921        | MAL NEO CEREBRAL MENING     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1922        | MAL NEO SPINAL CORD         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1923        | MAL NEO SPINAL MENINGES     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1928        | MAL NEO NERVOUS SYST NEC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1929        | MAL NEO NERVOUS SYST NOS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 193         | MALIGN NEOPL THYROID        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1940        | MALIGN NEOPL ADRENAL        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1941        | MALIG NEO PARATHYROID       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1943        | MALIG NEO PITUITARY         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1944        | MALIGN NEO PINEAL GLAND     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 1945        | MAL NEO CAROTID BODY        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1946        | MAL NEO PARAGANGLIA NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1948        | MAL NEO ENDOCRINE NEC       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1949        | MAL NEO ENDOCRINE NOS       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1950        | MAL NEO HEAD/FACE/NECK      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1951        | MALIGN NEOPL THORAX         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1952        | MALIG NEO ABDOMEN           | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1953        | MALIGN NEOPL PELVIS         | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1954        | MALIGN NEOPL ARM            | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1955        | MALIGN NEOPL LEG            | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 1958        | MALIG NEO SITE NEC          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |



**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 1960        | MAL NEO LYMPH-HEAD/NECK     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1961        | MAL NEO LYMPH-INTRATHOR     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1962        | MAL NEO LYMPH-INTRA-ABD     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1963        | MAL NEO LYMPH-AXILLA/ARM    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1965        | MAL NEO LYMPH-INGUIN/LEG    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1966        | MAL NEO LYMPH-INTRAPELV     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1968        | MAL NEO LYMPH NODE-MULT     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1969        | MAL NEO LYMPH NODE NOS      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1970        | SECONDARY MALIG NEO LUNG    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1971        | SEC MAL NEO MEDIASTINUM     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1972        | SECOND MALIG NEO PLEURA     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1973        | SEC MALIG NEO RESP NEC      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1974        | SEC MALIG NEO SM BOWEL      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1975        | SEC MALIG NEO LG BOWEL      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1976        | SEC MAL NEO PERITONEUM      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1977        | SECOND MALIG NEO LIVER      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1978        | SEC MAL NEO GI NEC          | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1980        | SECOND MALIG NEO KIDNEY     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1981        | SEC MALIG NEO URIN NEC      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1982        | SECONDARY MALIG NEO SKIN    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1983        | SEC MAL NEO BRAIN/SPINE     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1984        | SEC MALIG NEO NERVE NEC     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1985        | SECONDARY MALIG NEO BONE    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1986        | SECOND MALIG NEO OVARY      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1987        | SECOND MALIG NEO ADRENAL    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 19881       | SECOND MALIG NEO BREAST     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 19882       | SECOND MALIG NEO GENITAL    | 7         | Metastatic Cancer and Acute Leukemia                      |
| 19889       | SECONDARY MALIG NEO NEC     | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1990        | MALIG NEO DISSEMINATED      | 7         | Metastatic Cancer and Acute Leukemia                      |
| 1991        | MALIGNANT NEOPLASM NOS      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors |
| 20000       | RETCLSRC UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20001       | RETICULOSARCOMA HEAD        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20002       | RETICULOSARCOMA THORAX      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20003       | RETICULOSARCOMA ABDOM       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20004       | RETICULOSARCOMA AXILLA      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20005       | RETICULOSARCOMA INGUIN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20006       | RETICULOSARCOMA PELVIC      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20007       | RETICULOSARCOMA SPLEEN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20008       | RETICULOSARCOMA MULT        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20010       | LYMPHSRC UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20011       | LYMPHOSARCOMA HEAD          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20012       | LYMPHOSARCOMA THORAX        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20013       | LYMPHOSARCOMA ABDOM         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20014       | LYMPHOSARCOMA AXILLA        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20015       | LYMPHOSARCOMA INGUIN        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20016       | LYMPHOSARCOMA PELVIC        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20017       | LYMPHOSARCOMA SPLEEN        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20018       | LYMPHOSARCOMA MULT          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20020       | BRKT TMR UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20021       | BURKITT'S TUMOR HEAD        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20022       | BURKITT'S TUMOR THORAX      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20023       | BURKITT'S TUMOR ABDOM       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20024       | BURKITT'S TUMOR AXILLA      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20025       | BURKITT'S TUMOR INGUIN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20026       | BURKITT'S TUMOR PELVIC      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20027       | BURKITT'S TUMOR SPLEEN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20028       | BURKITT'S TUMOR MULT        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20030       | MARGNL ZONE LYM XTRNDL      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20031       | MARGIN ZONE LYM HEAD        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20032       | MARGIN ZONE LYM THORAX      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20033       | MARGIN ZONE LYM ABDOM       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20034       | MARGIN ZONE LYM AXILLA      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20035       | MARGIN ZONE LYM INGUIN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20036       | MARGIN ZONE LYM PELVIC      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20037       | MARGIN ZONE LYM SPLEEN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20038       | MARGIN ZONE LYMPH MULTIP    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20040       | MANTLE CELL LYM XTRNDL      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20041       | MANTLE CELL LYMPH HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20042       | MANTLE CELL LYMPH THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |
| 20043       | MANTLE CELL LYMPH ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers  |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| 20044       | MANTLE CELL LYMPH AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20045       | MANTLE CELL LYMPH INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20046       | MANTLE CELL LYMPH PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20047       | MANTLE CELL LYMPH SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20048       | MANTLE CELL LYMPH MULTIP    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20050       | PRIMARY CNS LYMPH XTRNDL    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20051       | PRIMARY CNS LYMPH HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20052       | PRIMARY CNS LYMPH THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20053       | PRIMARY CNS LYMPH ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20054       | PRIMARY CNS LYMPH AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20055       | PRIMARY CNS LYM INGUIN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20056       | PRIMARY CNS LYMPH PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20057       | PRIMARY CNS LYMPH SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20058       | PRIMARY CNS LYMPH MULTIP    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20060       | ANAPLASTIC LYMPH XTRNDL     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20061       | ANAPLASTIC LYMPH HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20062       | ANAPLASTIC LYMPH THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20063       | ANAPLASTIC LYMPH ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20064       | ANAPLASTIC LYMPH AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20065       | ANAPLASTIC LYMPH INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20066       | ANAPLASTIC LYMPH PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20067       | ANAPLASTIC LYMPH SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20068       | ANAPLASTIC LYMPH MULTIP     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20070       | LARGE CELL LYMPH XTRNDL     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20071       | LARGE CELL LYMPHOMA HEAD    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20072       | LARGE CELL LYMPH THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20073       | LARGE CELL LYMPH ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20074       | LARGE CELL LYMPH AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20075       | LARGE CELL LYMPH INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20076       | LARGE CELL LYMPH PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20077       | LARGE CELL LYMPH SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20078       | LARGE CELL LYMPH MULTIP     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20080       | OTH VARN UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20081       | MIXED LYMPHOSARC HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20082       | MIXED LYMPHOSARC THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20083       | MIXED LYMPHOSARC ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20084       | MIXED LYMPHOSARC AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20085       | MIXED LYMPHOSARC INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20086       | MIXED LYMPHOSARC PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20087       | MIXED LYMPHOSARC SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20088       | MIXED LYMPHOSARC MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20100       | HDGK PRG UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20101       | HODGKINS PARAGRAN HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20102       | HODGKINS PARAGRAN THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20103       | HODGKINS PARAGRAN ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20104       | HODGKINS PARAGRAN AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20105       | HODGKINS PARAGRAN INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20106       | HODGKINS PARAGRAN PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20107       | HODGKINS PARAGRAN SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20108       | HODGKINS PARAGRAN MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20110       | HDGK GRN UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20111       | HODGKINS GRANULOM HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20112       | HODGKINS GRANULOM THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20113       | HODGKINS GRANULOM ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20114       | HODGKINS GRANULOM AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20115       | HODGKINS GRANULOM INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20116       | HODGKINS GRANULOM PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20117       | HODGKINS GRANULOM SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20118       | HODGKINS GRANULOM MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20120       | HDGK SRC UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20121       | HODGKINS SARCOMA HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20122       | HODGKINS SARCOMA THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20123       | HODGKINS SARCOMA ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20124       | HODGKINS SARCOMA AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20125       | HODGKINS SARCOMA INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20126       | HODGKINS SARCOMA PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20127       | HODGKINS SARCOMA SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20128       | HODGKINS SARCOMA MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20140       | LYM-HST UNSP XTRNDL ORGN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20141       | HODG LYMPH-HISTIO HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| 20142       | HODG LYMPH-HISTIO THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20143       | HODG LYMPH-HISTIO ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20144       | HODG LYMPH-HISTIO AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20145       | HODG LYMPH-HISTIO INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20146       | HODG LYMPH-HISTIO PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20147       | HODG LYMPH-HISTIO SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20148       | HODG LYMPH-HISTIO MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20150       | NDR SCLR UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20151       | HODG NODUL SCLERO HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20152       | HODG NODUL SCLERO THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20153       | HODG NODUL SCLERO ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20154       | HODG NODUL SCLERO AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20155       | HODG NODUL SCLERO INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20156       | HODG NODUL SCLERO PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20157       | HODG NODUL SCLERO SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20158       | HODG NODUL SCLERO MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20160       | MXD CELR UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20161       | HODGKINS MIX CELL HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20162       | HODGKINS MIX CELL THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20163       | HODGKINS MIX CELL ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20164       | HODGKINS MIX CELL AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20165       | HODGKINS MIX CELL INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20166       | HODGKINS MIX CELL PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20167       | HODGKINS MIX CELL SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20168       | HODGKINS MIX CELL MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20170       | LYM DPLT UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20171       | HODG LYMPH DEPLET HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20172       | HODG LYMPH DEPLET THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20173       | HODG LYMPH DEPLET ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20174       | HODG LYMPH DEPLET AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20175       | HODG LYMPH DEPLET INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20176       | HODG LYMPH DEPLET PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20177       | HODG LYMPH DEPLET SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20178       | HODG LYMPH DEPLET MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20190       | HDGK DIS UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20191       | HODGKINS DIS NOS HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20192       | HODGKINS DIS NOS THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20193       | HODGKINS DIS NOS ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20194       | HODGKINS DIS NOS AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20195       | HODGKINS DIS NOS INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20196       | HODGKINS DIS NOS PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20197       | HODGKINS DIS NOS SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20198       | HODGKINS DIS NOS MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20200       | NDLR LYM UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20201       | NODULAR LYMPHOMA HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20202       | NODULAR LYMPHOMA THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20203       | NODULAR LYMPHOMA ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20204       | NODULAR LYMPHOMA AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20205       | NODULAR LYMPHOMA INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20206       | NODULAR LYMPHOMA PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20207       | NODULAR LYMPHOMA SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20208       | NODULAR LYMPHOMA MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20210       | MYCS FNG UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20211       | MYCOSIS FUNGOIDES HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20212       | MYCOSIS FUNGOIDES THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20213       | MYCOSIS FUNGOIDES ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20214       | MYCOSIS FUNGOIDES AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20215       | MYCOSIS FUNGOIDES INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20216       | MYCOSIS FUNGOIDES PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20217       | MYCOSIS FUNGOIDES SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20218       | MYCOSIS FUNGOIDES MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20220       | SZRY DIS UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20221       | SEZARY'S DISEASE HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20222       | SEZARY'S DISEASE THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20223       | SEZARY'S DISEASE ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20224       | SEZARY'S DISEASE AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20225       | SEZARY'S DISEASE INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20226       | SEZARY'S DISEASE PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20227       | SEZARY'S DISEASE SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20228       | SEZARY'S DISEASE MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| 20230       | MLG HIST UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20231       | MAL HISTIOCYTOSIS HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20232       | MAL HISTIOCYTOSIS THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20233       | MAL HISTIOCYTOSIS ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20234       | MAL HISTIOCYTOSIS AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20235       | MAL HISTIOCYTOSIS INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20236       | MAL HISTIOCYTOSIS PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20237       | MAL HISTIOCYTOSIS SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20238       | MAL HISTIOCYTOSIS MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20240       | LK RTCTL UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20241       | HAIRY-CELL LEUKEM HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20242       | HAIRY-CELL LEUKEM THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20243       | HAIRY-CELL LEUKEM ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20244       | HAIRY-CELL LEUKEM AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20245       | HAIRY-CELL LEUKEM INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20246       | HAIRY-CELL LEUKEM PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20247       | HAIRY-CELL LEUKEM SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20248       | HAIRY-CELL LEUKEM MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20250       | LTR-SIWE UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20251       | LETTERER-SIWE DIS HEAD      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20252       | LETTERER-SIWE DIS THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20253       | LETTERER-SIWE DIS ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20254       | LETTERER-SIWE DIS AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20255       | LETTERER-SIWE DIS INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20256       | LETTERER-SIWE DIS PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20257       | LETTERER-SIWE DIS SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20258       | LETTERER-SIWE DIS MULT      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20260       | MLG MAST UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20261       | MAL MASTOCYTOSIS HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20262       | MAL MASTOCYTOSIS THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20263       | MAL MASTOCYTOSIS ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20264       | MAL MASTOCYTOSIS AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20265       | MAL MASTOCYTOSIS INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20266       | MAL MASTOCYTOSIS PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20267       | MAL MASTOCYTOSIS SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20268       | MAL MASTOCYTOSIS MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20270       | PERIPH T CELL LYM XTRNDL    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20271       | PERIPH T CELL LYMPH HEAD    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20272       | PERIPH T CELL LYM THORAX    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20273       | PERIPH T CELL LYM ABDOM     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20274       | PERIPH T CELL LYM AXILLA    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20275       | PERIPH T CELL LYM INGUIN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20276       | PERIPH T CELL LYM PELVIC    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20277       | PERIPH T CELL LYM SPLEEN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20278       | PERIPH T CELL LYM MULTIP    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20280       | OTH LYMP UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20281       | LYMPHOMAS NEC HEAD          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20282       | LYMPHOMAS NEC THORAX        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20283       | LYMPHOMAS NEC ABDOM         | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20284       | LYMPHOMAS NEC AXILLA        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20285       | LYMPHOMAS NEC INGUIN        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20286       | LYMPHOMAS NEC PELVIC        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20287       | LYMPHOMAS NEC SPLEEN        | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20288       | LYMPHOMAS NEC MULT          | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20290       | UNSP LYM UNSP XTRNDL ORG    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20291       | LYMPHOID MAL NEC HEAD       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20292       | LYMPHOID MAL NEC THORAX     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20293       | LYMPHOID MAL NEC ABDOM      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20294       | LYMPHOID MAL NEC AXILLA     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20295       | LYMPHOID MAL NEC INGUIN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20296       | LYMPHOID MAL NEC PELVIC     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20297       | LYMPHOID MAL NEC SPLEEN     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20298       | LYMPHOID MAL NEC MULT       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20300       | MULT MYELM W/O REMISSION    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20301       | MULT MYELM W REMISSION      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20310       | PLSM CELL LEUK W/O RMSON    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20311       | PLSM CELL LEUK W RMSON      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20380       | OTH IMNPRFL NPL W/O RMSN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20381       | OTH IMNPRFL NPL W RMSN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20400       | ACT LYM LEUK W/O RMSION     | 7         | Metastatic Cancer and Acute Leukemia                     |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| 20401       | ACT LYM LEUK W RMSION       | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20410       | CHR LYM LEUK W/O RMSION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20411       | CHR LYM LEUK W RMSION       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20420       | SBAC LYM LEUK W/O RMSION    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20421       | SBAC LYM LEUK W RMSION      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20480       | OTH LYM LEUK W/O RMSION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20481       | OTH LYM LEUK W RMSION       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20490       | UNS LYM LEUK W/O RMSION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20491       | UNS LYM LEUK W RMSION       | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20500       | ACT MYL LEUK W/O RMSION     | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20501       | ACT MYL LEUK W RMSION       | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20510       | CHR MYL LEUK W/O RMSION     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20511       | CHR MYL LEUK W RMSION       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20520       | SBAC MYL LEUK W/O RMSION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20521       | SBAC MYL LEUK W RMSION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20530       | MYL SRCOMA W/O RMSION       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20531       | MYL SRCOMA W RMSION         | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20580       | OTH MYL LEUK W/O RMSION     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20581       | OTH MYL LEUK W RMSION       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20590       | UNS MYL LEUK W/O RMSION     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20591       | UNS MYL LEUK W RMSION       | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20600       | ACT MONO LEUK W/O RMSION    | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20601       | ACT MONO LEUK W RMSION      | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20610       | CHR MONO LEUK W/O RMSION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20611       | CHR MONO LEUK W RMSION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20620       | SBAC MONO LEUK W/O RMSION   | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20621       | SBAC MONO LEUK W RMSION     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20680       | OTH MONO LEUK W/O RMSION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20681       | OTH MONO LEUK W RMSION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20690       | UNS MONO LEUK W/O RMSION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20691       | UNS MONO LEUK W RMSION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20700       | ACT ERTH/ERYLK W/O RMSION   | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20701       | ACT ERTH/ERYLK W RMSION     | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20710       | CHR ERYTHRM W/O REMISION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20711       | CHR ERYTHRM W REMISION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20720       | MGKRYCYT LEUK W/O RMSION    | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20721       | MGKRYCYT LEUK W RMSION      | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20780       | OTH SPF LEUK W/O REMISION   | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20781       | OTH SPF LEUK W REMISION     | 8         | Lung, Upper Digestive Tract, and Other Severe Cancers    |
| 20800       | ACT LEUK UNS CL W/O RMSN    | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20801       | ACT LEUK UNS CL W RMSN      | 7         | Metastatic Cancer and Acute Leukemia                     |
| 20810       | CHR LEUK UNS CL W/O RMSN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20811       | CHR LEUK UNS CL W RMSN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20820       | SBAC LEUK UNS CL W/O RMS    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20821       | SBAC LEUK UNS CL W RMSON    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20880       | OTH LEUK UNS CL W/O RMSN    | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20881       | OTH LEUK UNS CL W RMSN      | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20890       | LEUKEMIA NOS W/O RMSION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 20891       | LEUKEMIA NOS W REMISION     | 9         | Lymphatic, Head and Neck, Brain, and Other Major Cancers |
| 2100        | BENIGN NEOPLASM LIP         | 12        | Other Digestive and Urinary Neoplasms                    |
| 2101        | BENIGN NEOPLASM TONGUE      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2102        | BEN NEO MAJOR SALIVARY      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2103        | BENIGN NEO MOUTH FLOOR      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2104        | BENIGN NEO MOUTH NEC/NOS    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2105        | BENIGN NEOPLASM TONSIL      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2106        | BENIGN NEO OROPHARYN NEC    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2107        | BENIGN NEO NASOPHARYNX      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2108        | BENIGN NEO HYPOPHARYNX      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2109        | BENIGN NEO PHARYNX NOS      | 12        | Other Digestive and Urinary Neoplasms                    |
| 2110        | BENIGN NEO ESOPHAGUS        | 12        | Other Digestive and Urinary Neoplasms                    |
| 2111        | BENIGN NEOPLASM STOMACH     | 12        | Other Digestive and Urinary Neoplasms                    |
| 2112        | BENIGN NEOPLASM SM BOWEL    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2113        | BENIGN NEOPLASM LG BOWEL    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2114        | BENIGN NEOPL RECTUM/ANUS    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2115        | BEN NEO LIVER/BILE DUCTS    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2116        | BENIGN NEOPLASM PANCREAS    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2117        | BEN NEO ISLETS LANGERHAN    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2118        | BEN NEO PERITONEUM          | 12        | Other Digestive and Urinary Neoplasms                    |
| 2119        | BEN NEO GI TRACT NEC/NOS    | 12        | Other Digestive and Urinary Neoplasms                    |
| 2120        | BEN NEO NASAL CAV/SINUS     | 11        | Other Respiratory and Heart Neoplasms                    |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 2121        | BENIGN NEO LARYNX           | 11        | Other Respiratory and Heart Neoplasms                           |
| 2122        | BENIGN NEO TRACHEA          | 11        | Other Respiratory and Heart Neoplasms                           |
| 2123        | BENIGN NEO BRONCHUS/LUNG    | 11        | Other Respiratory and Heart Neoplasms                           |
| 2124        | BENIGN NEOPLASM PLEURA      | 11        | Other Respiratory and Heart Neoplasms                           |
| 2125        | BENIGN NEO MEDIASTINUM      | 11        | Other Respiratory and Heart Neoplasms                           |
| 2126        | BENIGN NEOPLASM THYMUS      | 11        | Other Respiratory and Heart Neoplasms                           |
| 2127        | BENIGN NEOPLASM HEART       | 11        | Other Respiratory and Heart Neoplasms                           |
| 2128        | BENIGN NEO RESP SYS NEC     | 11        | Other Respiratory and Heart Neoplasms                           |
| 2129        | BENIGN NEO RESP SYS NOS     | 11        | Other Respiratory and Heart Neoplasms                           |
| 2230        | BENIGN NEOPLASM KIDNEY      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2231        | BENIGN NEO RENAL PELVIS     | 12        | Other Digestive and Urinary Neoplasms                           |
| 2232        | BENIGN NEOPLASM URETER      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2233        | BENIGN NEOPLASM BLADDER     | 12        | Other Digestive and Urinary Neoplasms                           |
| 22381       | BENIGN NEOPLASM URETHRA     | 12        | Other Digestive and Urinary Neoplasms                           |
| 22389       | BENIGN NEO URINARY NEC      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2239        | BENIGN NEO URINARY NOS      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2250        | BENIGN NEOPLASM BRAIN       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2251        | BENIGN NEO CRANIAL NERVE    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2252        | BEN NEO CEREBR MENINGES     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2253        | BENIGN NEO SPINAL CORD      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2254        | BEN NEO SPINAL MENINGES     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2258        | BENIGN NEO NERV SYS NEC     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2259        | BENIGN NEO NERV SYS NOS     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2273        | BENIGN NEO PITUITARY        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2274        | BEN NEOPL PINEAL GLAND      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 22802       | HEMANGIOMA INTRACRANIAL     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2300        | CA IN SITU ORAL CAV/PHAR    | 12        | Other Digestive and Urinary Neoplasms                           |
| 2301        | CA IN SITU ESOPHAGUS        | 12        | Other Digestive and Urinary Neoplasms                           |
| 2302        | CA IN SITU STOMACH          | 12        | Other Digestive and Urinary Neoplasms                           |
| 2303        | CA IN SITU COLON            | 12        | Other Digestive and Urinary Neoplasms                           |
| 2304        | CA IN SITU RECTUM           | 12        | Other Digestive and Urinary Neoplasms                           |
| 2305        | CA IN SITU ANAL CANAL       | 12        | Other Digestive and Urinary Neoplasms                           |
| 2306        | CA IN SITU ANUS NOS         | 12        | Other Digestive and Urinary Neoplasms                           |
| 2307        | CA IN SITU BOWEL NEC/NOS    | 12        | Other Digestive and Urinary Neoplasms                           |
| 2308        | CA IN SITU LIVER/BILIARY    | 12        | Other Digestive and Urinary Neoplasms                           |
| 2309        | CA IN SITU GI NEC/NOS       | 12        | Other Digestive and Urinary Neoplasms                           |
| 2310        | CA IN SITU LARYNX           | 11        | Other Respiratory and Heart Neoplasms                           |
| 2311        | CA IN SITU TRACHEA          | 11        | Other Respiratory and Heart Neoplasms                           |
| 2312        | CA IN SITU BRONCHUS/LUNG    | 11        | Other Respiratory and Heart Neoplasms                           |
| 2318        | CA IN SITU RESP SYS NEC     | 11        | Other Respiratory and Heart Neoplasms                           |
| 2319        | CA IN SITU RESP SYS NOS     | 11        | Other Respiratory and Heart Neoplasms                           |
| 2337        | CA IN SITU BLADDER          | 12        | Other Digestive and Urinary Neoplasms                           |
| 2339        | CA IN SITU URINARY NEC      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2350        | UNC BEHAV NEO SALIVARY      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2351        | UNC BEHAV NEO ORAL/PHAR     | 12        | Other Digestive and Urinary Neoplasms                           |
| 2352        | UNC BEHAV NEO INTESTINE     | 12        | Other Digestive and Urinary Neoplasms                           |
| 2353        | UNC BEHAV NEO LIVER         | 12        | Other Digestive and Urinary Neoplasms                           |
| 2354        | UNC BEHAV NEO PERITONEUM    | 12        | Other Digestive and Urinary Neoplasms                           |
| 2355        | UNC BEHAV NEO GI NEC        | 12        | Other Digestive and Urinary Neoplasms                           |
| 2356        | UNC BEHAV NEO LARYNX        | 11        | Other Respiratory and Heart Neoplasms                           |
| 2357        | UNC BEHAV NEO LUNG          | 11        | Other Respiratory and Heart Neoplasms                           |
| 2358        | UNC BEHAV NEO PLEURA        | 11        | Other Respiratory and Heart Neoplasms                           |
| 2359        | UNC BEHAV NEO RESP NEC      | 11        | Other Respiratory and Heart Neoplasms                           |
| 2367        | UNC BEHAV NEO BLADDER       | 12        | Other Digestive and Urinary Neoplasms                           |
| 23690       | UNC BEHAV NEO URINAR NOS    | 12        | Other Digestive and Urinary Neoplasms                           |
| 23691       | UNC BEHAV NEO KIDNEY        | 12        | Other Digestive and Urinary Neoplasms                           |
| 23699       | UNC BEHAV NEO URINAR NEC    | 12        | Other Digestive and Urinary Neoplasms                           |
| 2370        | UNC BEHAV NEO PITUITARY     | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2371        | UNC BEHAV NEO PINEAL        | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2373        | UNC BEHAV NEO PARAGANG      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2375        | UNC BEH NEO BRAIN/SPINAL    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2376        | UNC BEHAV NEO MENINGES      | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 23770       | NEUROFIBROMATOSIS NOS       | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 23771       | NEUROFIBROMATOSIS TYPE I    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 23772       | NEUROFIBROMATOSIS TYP II    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2379        | UNC BEH NEO NERV SYS NEC    | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2384        | POLYCYTHEMIA VERA           | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2387        | LYMPHOPROLIFERAT DIS NOS    | 44        | Severe Hematological Disorders                                  |
| 23871       | ESSNTIAL THROMBOCYTHEMIA    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 23872       | LOW GRDE MYELODY SYN LES    | 44        | Severe Hematological Disorders                                  |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 23873       | HI GRDE MYELOYDYS SYN LES   | 44        | Severe Hematological Disorders                                  |
| 23874       | MYELOYDYSPLS SYN W 5Q DEL   | 44        | Severe Hematological Disorders                                  |
| 23875       | MYELOYDYSPLASTIC SYND NOS   | 44        | Severe Hematological Disorders                                  |
| 23876       | MYELOFI W MYELO METAPLAS    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 23879       | LYMPH/HEMATPOITC TIS NEC    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2390        | DIGESTIVE NEOPLASM NOS      | 12        | Other Digestive and Urinary Neoplasms                           |
| 2391        | RESPIRATORY NEOPLASM NOS    | 11        | Other Respiratory and Heart Neoplasms                           |
| 2394        | BLADDER NEOPLASM NOS        | 12        | Other Digestive and Urinary Neoplasms                           |
| 2396        | BRAIN NEOPLASM NOS          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2514        | ABN SECRETION GLUCAGON      | 32        | Pancreatic Disease  |
| 2515        | ABNORM SECRETION GASTRIN    | 32        | Pancreatic Disease  |
| 2518        | PANCREATIC DISORDER NEC     | 32        | Pancreatic Disease  |
| 2519        | PANCREATIC DISORDER NOS     | 32        | Pancreatic Disease  |
| 2592        | CARCINOID SYNDROME          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 2820        | HEREDITARY SPHEROCYTOSIS    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2821        | HEREDIT ELLIPTOCYTOSIS      | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2822        | GLUTATHIONE DIS ANEMIA      | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2823        | ENZYME DEFIC ANEMIA NEC     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28241       | THLASSEMA HB-S W/O CRISIS   | 44        | Severe Hematological Disorders                                  |
| 28242       | THLASSEMIA HB-S W CRISIS    | 44        | Severe Hematological Disorders                                  |
| 28249       | THALASSEMIA NEC             | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2825        | SICKLE-CELL TRAIT           | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28260       | SICKLE CELL DISEASE NOS     | 44        | Severe Hematological Disorders                                  |
| 28261       | HB-SS DISEASE W/O CRISIS    | 44        | Severe Hematological Disorders                                  |
| 28262       | HB-SS DISEASE W CRISIS      | 44        | Severe Hematological Disorders                                  |
| 28263       | HB-SS/HB-C DIS W/O CRSIS    | 44        | Severe Hematological Disorders                                  |
| 28264       | HB-S/HB-C DIS W CRISIS      | 44        | Severe Hematological Disorders                                  |
| 28268       | HB-S DIS W/O CRISIS NEC     | 44        | Severe Hematological Disorders                                  |
| 28269       | HB-SS DIS NEC W CRISIS      | 44        | Severe Hematological Disorders                                  |
| 2827        | HEMOGLOBINOPATHIES NEC      | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2828        | HERED HEMOLYTIC ANEM NEC    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2829        | HERED HEMOLYTIC ANEM NOS    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2830        | AUTOIMMUN HEMOLYTIC ANEM    | 44        | Severe Hematological Disorders                                  |
| 28310       | NONAUTO HEM ANEMIA NOS      | 44        | Severe Hematological Disorders                                  |
| 28311       | HEMOLYTIC UREMIC SYND       | 44        | Severe Hematological Disorders                                  |
| 28319       | OTH NONAUTO HEM ANEMIA      | 44        | Severe Hematological Disorders                                  |
| 2832        | HEMOLYTIC HEMOGLOBINURIA    | 44        | Severe Hematological Disorders                                  |
| 2839        | ACQ HEMOLYTIC ANEMIA NOS    | 44        | Severe Hematological Disorders                                  |
| 2840        | CONGEN APLASTIC ANEMIA      | 44        | Severe Hematological Disorders                                  |
| 28401       | CONSTITUTION RBC APLASIA    | 44        | Severe Hematological Disorders                                  |
| 28409       | CONST APLASTC ANEMIA NEC    | 44        | Severe Hematological Disorders                                  |
| 2841        | PANCYTOPENIA                | 44        | Severe Hematological Disorders                                  |
| 2842        | MYELOPHTHISIS               | 44        | Severe Hematological Disorders                                  |
| 2848        | APLASTIC ANEMIAS NEC        | 44        | Severe Hematological Disorders                                  |
| 28481       | RED CELL APLASIA            | 44        | Severe Hematological Disorders                                  |
| 28489       | APLASTIC ANEMIAS NEC        | 44        | Severe Hematological Disorders                                  |
| 2849        | APLASTIC ANEMIA NOS         | 44        | Severe Hematological Disorders                                  |
| 2850        | SIDEROBLASTIC ANEMIA        | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2860        | CONG FACTOR VIII DIORD      | 44        | Severe Hematological Disorders                                  |
| 2861        | CONG FACTOR IX DISORDER     | 44        | Severe Hematological Disorders                                  |
| 2862        | CONG FACTOR XI DISORDER     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2863        | CONG DEF CLOT FACTOR NEC    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2864        | VON WILLEBRAND'S DISEASE    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2865        | INTR CIRCUL ANTICOAG DIS    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2866        | DEFIBRINATION SYNDROME      | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2867        | ACQ COAGUL FACTOR DEFIC     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2869        | COAGULAT DEFECT NEC/NOS     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2870        | ALLERGIC PURPURA            | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2871        | THROMBOCYTOPATHY            | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2872        | PURPURA NOS                 | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2873        | PRIMARY THROMBOCYTOPENIA    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28730       | PRIM THROMBOCYTOPEN NOS     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28731       | IMMUNE THROMBOCYT PURPRA    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28732       | EVANS' SYNDROME             | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28733       | CONG/HERID THROMB PURPRA    | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28739       | PRIM THROMBOCYTOPEN NEC     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2874        | SECOND THROMBOCYTOPENIA     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2875        | THROMBOCYTOPENIA NOS        | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2878        | HEMORRHAGIC COND NEC        | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2879        | HEMORRHAGIC COND NOS        | 46        | Coagulation Defects and Other Specified Hematological Disorders |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 28952       | SPLENIC SEQUESTRATION       | 44        | Severe Hematological Disorders                                  |
| 28981       | PRIM HYPERCOAGULABLE ST     | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28982       | SEC HYPERCOAGULABLE ST      | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28983       | MYELOFIBROSIS               | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 28989       | BLOOD DISEASES NEC          | 46        | Coagulation Defects and Other Specified Hematological Disorders |
| 2910        | DELIRIUM TREMENS            | 51        | Drug/Alcohol Psychosis  |
| 2911        | ALCOHOL AMNESTIC DISORDR    | 51        | Drug/Alcohol Psychosis  |
| 2912        | ALCOHOL PERSIST DEMENTIA    | 51        | Drug/Alcohol Psychosis  |
| 2913        | ALCOH PSY DIS W HALLUCIN    | 51        | Drug/Alcohol Psychosis  |
| 2914        | PATHOLOGIC ALCOHOL INTOX    | 51        | Drug/Alcohol Psychosis  |
| 2915        | ALCOH PSYCH DIS W DELUS     | 51        | Drug/Alcohol Psychosis  |
| 29181       | ALCOHOL WITHDRAWAL          | 51        | Drug/Alcohol Psychosis  |
| 29182       | ALCOH INDUCE SLEEP DISOR    | 51        | Drug/Alcohol Psychosis  |
| 29189       | ALCOHOL MENTAL DISOR NEC    | 51        | Drug/Alcohol Psychosis  |
| 2919        | ALCOHOL MENTAL DISOR NOS    | 51        | Drug/Alcohol Psychosis  |
| 2920        | DRUG WITHDRAWAL             | 51        | Drug/Alcohol Psychosis  |
| 29211       | DRUG PSYCH DISOR W DELUS    | 51        | Drug/Alcohol Psychosis  |
| 29212       | DRUG PSY DIS W HALLUCIN     | 51        | Drug/Alcohol Psychosis  |
| 2922        | PATHOLOGIC DRUG INTOX       | 51        | Drug/Alcohol Psychosis  |
| 29281       | DRUG-INDUCED DELIRIUM       | 51        | Drug/Alcohol Psychosis  |
| 29282       | DRUG PERSISTING DEMENTIA    | 51        | Drug/Alcohol Psychosis  |
| 29283       | DRUG PERSIST AMNESTC DIS    | 51        | Drug/Alcohol Psychosis  |
| 29284       | DRUG-INDUCED MOOD DISORD    | 51        | Drug/Alcohol Psychosis  |
| 29285       | DRUG INDUCED SLEEP DISOR    | 51        | Drug/Alcohol Psychosis  |
| 29289       | DRUG MENTAL DISORDER NEC    | 51        | Drug/Alcohol Psychosis  |
| 2929        | DRUG MENTAL DISORDER NOS    | 51        | Drug/Alcohol Psychosis  |
| 29500       | SIMPL SCHIZOPHREN-UNSPEC    | 54        | Schizophrenia   |
| 29501       | SIMPL SCHIZOPHREN-SUBCHR    | 54        | Schizophrenia   |
| 29502       | SIMPLE SCHIZOPHREN-CHR      | 54        | Schizophrenia   |
| 29503       | SIMP SCHIZ-SUBCHR/EXACER    | 54        | Schizophrenia   |
| 29504       | SIMPL SCHIZO-CHR/EXACERB    | 54        | Schizophrenia   |
| 29505       | SIMPL SCHIZOPHREN-REMISS    | 54        | Schizophrenia   |
| 29510       | HEBEPHRENIA-UNSPEC          | 54        | Schizophrenia   |
| 29511       | HEBEPHRENIA-SUBCHRONIC      | 54        | Schizophrenia   |
| 29512       | HEBEPHRENIA-CHRONIC         | 54        | Schizophrenia   |
| 29513       | HEBEPHREN-SUBCHR/EXACERB    | 54        | Schizophrenia   |
| 29514       | HEBEPHRENIA-CHR/EXACERB     | 54        | Schizophrenia   |
| 29515       | HEBEPHRENIA-REMISSION       | 54        | Schizophrenia   |
| 29520       | CATATONIA-UNSPEC            | 54        | Schizophrenia   |
| 29521       | CATATONIA-SUBCHRONIC        | 54        | Schizophrenia   |
| 29522       | CATATONIA-CHRONIC           | 54        | Schizophrenia   |
| 29523       | CATATONIA-SUBCHR/EXACERB    | 54        | Schizophrenia   |
| 29524       | CATATONIA-CHR/EXACERB       | 54        | Schizophrenia   |
| 29525       | CATATONIA-REMISSION         | 54        | Schizophrenia   |
| 29530       | PARANOID SCHIZO-UNSPEC      | 54        | Schizophrenia   |
| 29531       | PARANOID SCHIZO-SUBCHR      | 54        | Schizophrenia   |
| 29532       | PARANOID SCHIZO-CHRONIC     | 54        | Schizophrenia   |
| 29533       | PARAN SCHIZO-SUBCHR/EXAC    | 54        | Schizophrenia   |
| 29534       | PARAN SCHIZO-CHR/EXACERB    | 54        | Schizophrenia   |
| 29535       | PARANOID SCHIZO-REMISS      | 54        | Schizophrenia   |
| 29540       | SCHIZOPHRENIFORM DIS NOS    | 54        | Schizophrenia   |
| 29541       | SCHIZOPHRENIC DIS-SUBCHR    | 54        | Schizophrenia   |
| 29542       | SCHIZOPHREN DIS-CHRONIC     | 54        | Schizophrenia   |
| 29543       | SCHIZO DIS-SUBCHR/EXACER    | 54        | Schizophrenia   |
| 29544       | SCHIZOPHR DIS-CHR/EXACER    | 54        | Schizophrenia   |
| 29545       | SCHIZOPHRENIC DIS-REMISS    | 54        | Schizophrenia   |
| 29550       | LATENT SCHIZOPHREN-UNSP     | 54        | Schizophrenia   |
| 29551       | LAT SCHIZOPHREN-SUBCHR      | 54        | Schizophrenia   |
| 29552       | LATENT SCHIZOPHREN-CHR      | 54        | Schizophrenia   |
| 29553       | LAT SCHIZO-SUBCHR/EXACER    | 54        | Schizophrenia   |
| 29554       | LATENT SCHIZO-CHR/EXACER    | 54        | Schizophrenia   |
| 29555       | LAT SCHIZOPHREN-REMISS      | 54        | Schizophrenia   |
| 29560       | SCHIZOPHR DIS RESID NOS     | 54        | Schizophrenia   |
| 29561       | SCHIZOPH DIS RESID-SUBCH    | 54        | Schizophrenia   |
| 29562       | SCHIZOPHR DIS RESID-CHR     | 54        | Schizophrenia   |
| 29563       | SCHIZO RESID SUBCHR/EXAC    | 54        | Schizophrenia   |
| 29564       | SCHIZOPH RESID-CHRO/EXAC    | 54        | Schizophrenia   |
| 29565       | SCHIZOPH DIS RESID-REMISS   | 54        | Schizophrenia   |
| 29570       | SCHIZOAFFECTIVE DIS NOS     | 54        | Schizophrenia   |
| 29571       | SCHIZOAFFECTV DIS-SUBCHR    | 54        | Schizophrenia   |



**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                   |
|-------------|-----------------------------|-----------|---|
| 29572       | SCHIZOAFFECTIVE DIS-CHR     | 54        | Schizophrenia                                     |
| 29573       | SCHIZOAFF DIS-SUBCH/EXAC    | 54        | Schizophrenia                                     |
| 29574       | SCHIZOAFFTV DIS-CHR/EXAC    | 54        | Schizophrenia                                     |
| 29575       | SCHIZOAFFECTVE DIS-REMIS    | 54        | Schizophrenia                                     |
| 29580       | SCHIZOPHRENIA NEC-UNSPEC    | 54        | Schizophrenia                                     |
| 29581       | SCHIZOPHRENIA NEC-SUBCHR    | 54        | Schizophrenia                                     |
| 29582       | SCHIZOPHRENIA NEC-CHR       | 54        | Schizophrenia                                     |
| 29583       | SCHIZO NEC-SUBCHR/EXACER    | 54        | Schizophrenia                                     |
| 29584       | SCHIZO NEC-CHR/EXACERB      | 54        | Schizophrenia                                     |
| 29585       | SCHIZOPHRENIA NEC-REMISS    | 54        | Schizophrenia                                     |
| 29590       | SCHIZOPHRENIA NOS-UNSPEC    | 54        | Schizophrenia                                     |
| 29591       | SCHIZOPHRENIA NOS-SUBCHR    | 54        | Schizophrenia                                     |
| 29592       | SCHIZOPHRENIA NOS-CHR       | 54        | Schizophrenia                                     |
| 29593       | SCHIZO NOS-SUBCHR/EXACER    | 54        | Schizophrenia                                     |
| 29594       | SCHIZO NOS-CHR/EXACERB      | 54        | Schizophrenia                                     |
| 29595       | SCHIZOPHRENIA NOS-REMISS    | 54        | Schizophrenia                                     |
| 29600       | BIPOL I SINGLE MANIC NOS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29601       | BIPOL I SINGLE MANC-MILD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29602       | BIPOL I SINGLE MANIC-MOD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29603       | BIPOL I SING-SEV W/O PSY    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29604       | BIPO I SIN MAN-SEV W PSY    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29605       | BIPOL I SING MAN REM NOS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29606       | BIPOL I SINGLE MANIC REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29610       | RECUR MANIC DIS-UNSPEC      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29611       | RECUR MANIC DIS-MILD        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29612       | RECUR MANIC DIS-MOD         | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29613       | RECUR MANIC DIS-SEVERE      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29614       | RECUR MANIC-SEV W PSYCHO    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29615       | RECUR MANIC-PART REMISS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29616       | RECUR MANIC-FULL REMISS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29620       | DEPRESS PSYCHOSIS-UNSPEC    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29621       | DEPRESS PSYCHOSIS-MILD      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29622       | DEPRESSIVE PSYCHOSIS-MOD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29623       | DEPRESS PSYCHOSIS-SEVERE    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29624       | DEPR PSYCHOS-SEV W PSYCH    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29625       | DEPR PSYCHOS-PART REMISS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29626       | DEPR PSYCHOS-FULL REMISS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29630       | RECURR DEPR PSYCHOS-UNSP    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29631       | RECURR DEPR PSYCHOS-MILD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29632       | RECURR DEPR PSYCHOS-MOD     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29633       | RECUR DEPR PSYCH-SEVERE     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29634       | REC DEPR PSYCH-PSYCHOTIC    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29635       | RECUR DEPR PSYC-PART REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29636       | RECUR DEPR PSYC-FULL REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29640       | BIPOL I CURRNT MANIC NOS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29641       | BIPOL I CURRNT MANIC-MILD   | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29642       | BIPOL I CURRNT MANIC-MOD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29643       | BIPOL I MANC-SEV W/O PSY    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29644       | BIPOL I MANIC-SEV W PSY     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29645       | BIPOL I CUR MAN PART REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29646       | BIPOL I CUR MAN FULL REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29650       | BIPOL I CUR DEPRES NOS      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29651       | BIPOL I CUR DEPRESS-MILD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29652       | BIPOL I CUR DEPRESS-MOD     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29653       | BIPOL I CURR DEP W/O PSY    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29654       | BIPOL I CURRNT DEP W PSY    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29655       | BIPOL I CUR DEP REM NOS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29656       | BIPOL I CURRNT DEP REMIS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29660       | BIPOL I CURRNT MIXED NOS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29661       | BIPOL I CURRNT MIX-MILD     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29662       | BIPOL I CURRNT MIXED-MOD    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29663       | BIPOL I CUR MIX W/O PSY     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29664       | BIPOL I CUR MIXED W PSY     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29665       | BIPOL I CUR MIX-PART REM    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29666       | BIPOL I CUR MIXED REMISS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2967        | BIPOLOR I CURRENT NOS       | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29680       | BIPOLAR DISORDER NOS        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29681       | ATYPICAL MANIC DISORDER     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29682       | ATYPICAL DEPRESSIVE DIS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29689       | BIPOLAR DISORDER NEC        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                   |
|-------------|-----------------------------|-----------|---|
| 29690       | EPISODIC MOOD DISORD NOS    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 29699       | EPISODIC MOOD DISORD NEC    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2970        | PARANOID STATE, SIMPLE      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2971        | DELUSIONAL DISORDER         | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2972        | PARAPHRENIA                 | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2973        | SHARED PSYCHOTIC DISORD     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2978        | PARANOID STATES NEC         | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2979        | PARANOID STATE NOS          | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| 2980        | REACT DEPRESS PSYCHOSIS     | 56        | Reactive and Unspecified Psychosis                |
| 2981        | EXCITATIV TYPE PSYCHOSIS    | 56        | Reactive and Unspecified Psychosis                |
| 2982        | REACTIVE CONFUSION          | 56        | Reactive and Unspecified Psychosis                |
| 2983        | ACUTE PARANOID REACTION     | 56        | Reactive and Unspecified Psychosis                |
| 2984        | PSYCHOGEN PARANOID PSYCH    | 56        | Reactive and Unspecified Psychosis                |
| 2988        | REACT PSYCHOSIS NEC/NOS     | 56        | Reactive and Unspecified Psychosis                |
| 2989        | PSYCHOSIS NOS               | 56        | Reactive and Unspecified Psychosis                |
| 30000       | ANXIETY STATE NOS           | 60        | Other Psychiatric Disorders                       |
| 30009       | ANXIETY STATE NEC           | 60        | Other Psychiatric Disorders                       |
| 3004        | DYSTHYMIC DISORDER          | 58        | Depression  |
| 3005        | NEURASTHENIA                | 60        | Other Psychiatric Disorders                       |
| 30089       | SOMATIFORM DISORDERS NEC    | 60        | Other Psychiatric Disorders                       |
| 3009        | NONPSYCHOTIC DISORD NOS     | 60        | Other Psychiatric Disorders                       |
| 3020        | EGO-DYSTONIC SEX ORIENT     | 60        | Other Psychiatric Disorders                       |
| 3021        | ZOOPHILIA                   | 60        | Other Psychiatric Disorders                       |
| 3022        | PEDOPHILIA                  | 60        | Other Psychiatric Disorders                       |
| 3023        | TRANVESTMENT FETISHISM      | 60        | Other Psychiatric Disorders                       |
| 3024        | EXHIBITIONISM               | 60        | Other Psychiatric Disorders                       |
| 30250       | TRANS-SEXUALISM NOS         | 60        | Other Psychiatric Disorders                       |
| 30251       | TRANS-SEXUALISM, ASEXUAL    | 60        | Other Psychiatric Disorders                       |
| 30252       | TRANS-SEXUAL, HOMOSEXUAL    | 60        | Other Psychiatric Disorders                       |
| 30253       | TRANS-SEX, HETEROSEXUAL     | 60        | Other Psychiatric Disorders                       |
| 3026        | GENDR IDENTITY DIS-CHILD    | 60        | Other Psychiatric Disorders                       |
| 30270       | PSYCHOSEXUAL DYSFUNC NOS    | 60        | Other Psychiatric Disorders                       |
| 30271       | HYPOACTIVE SEX DESIRE       | 60        | Other Psychiatric Disorders                       |
| 30272       | INHIBITED SEX EXCITEMENT    | 60        | Other Psychiatric Disorders                       |
| 30273       | FEMALE ORGASMIC DISORDER    | 60        | Other Psychiatric Disorders                       |
| 30274       | MALE ORGASMIC DISORDER      | 60        | Other Psychiatric Disorders                       |
| 30275       | PREMATURE EJACULATION       | 60        | Other Psychiatric Disorders                       |
| 30276       | DYSPAREUNIA,PSYCHOGENIC     | 60        | Other Psychiatric Disorders                       |
| 30279       | PSYCHOSEXUAL DYSFUNC NEC    | 60        | Other Psychiatric Disorders                       |
| 30281       | FETISHISM                   | 60        | Other Psychiatric Disorders                       |
| 30282       | VOYEURISM                   | 60        | Other Psychiatric Disorders                       |
| 30283       | SEXUAL MASOCHISM            | 60        | Other Psychiatric Disorders                       |
| 30284       | SEXUAL SADISM               | 60        | Other Psychiatric Disorders                       |
| 30285       | GEND IDEN DIS,ADOL/ADULT    | 60        | Other Psychiatric Disorders                       |
| 30289       | PSYCHOSEXUAL DIS NEC        | 60        | Other Psychiatric Disorders                       |
| 3029        | PSYCHOSEXUAL DIS NOS        | 60        | Other Psychiatric Disorders                       |
| 30300       | AC ALCOHOL INTOX-UNSPEC     | 52        | Drug/Alcohol Dependence                           |
| 30301       | AC ALCOHOL INTOX-CONTIN     | 52        | Drug/Alcohol Dependence                           |
| 30302       | AC ALCOHOL INTOX-EPISOD     | 52        | Drug/Alcohol Dependence                           |
| 30303       | AC ALCOHOL INTOX-REMISS     | 52        | Drug/Alcohol Dependence                           |
| 30390       | ALCOH DEP NEC/NOS-UNSPEC    | 52        | Drug/Alcohol Dependence                           |
| 30391       | ALCOH DEP NEC/NOS-CONTIN    | 52        | Drug/Alcohol Dependence                           |
| 30392       | ALCOH DEP NEC/NOS-EPISOD    | 52        | Drug/Alcohol Dependence                           |
| 30393       | ALCOH DEP NEC/NOS-REMISS    | 52        | Drug/Alcohol Dependence                           |
| 30400       | OPIOID DEPENDENCE-UNSPEC    | 52        | Drug/Alcohol Dependence                           |
| 30401       | OPIOID DEPENDENCE-CONTIN    | 52        | Drug/Alcohol Dependence                           |
| 30402       | OPIOID DEPENDENCE-EPISOD    | 52        | Drug/Alcohol Dependence                           |
| 30403       | OPIOID DEPENDENCE-REMISS    | 52        | Drug/Alcohol Dependence                           |
| 30410       | SED,HYP,ANXIOLYT DEP-NOS    | 52        | Drug/Alcohol Dependence                           |
| 30411       | SED,HYP,ANXIOLYT DEP-CON    | 52        | Drug/Alcohol Dependence                           |
| 30412       | SED,HYP,ANXIOLYT DEP-EPI    | 52        | Drug/Alcohol Dependence                           |
| 30413       | SED,HYP,ANXIOLYT DEP-REM    | 52        | Drug/Alcohol Dependence                           |
| 30420       | COCAINE DEPEND-UNSPEC       | 52        | Drug/Alcohol Dependence                           |
| 30421       | COCAINE DEPEND-CONTIN       | 52        | Drug/Alcohol Dependence                           |
| 30422       | COCAINE DEPEND-EPISODIC     | 52        | Drug/Alcohol Dependence                           |
| 30423       | COCAINE DEPEND-REMISS       | 52        | Drug/Alcohol Dependence                           |
| 30430       | CANNABIS DEPEND-UNSPEC      | 52        | Drug/Alcohol Dependence                           |
| 30431       | CANNABIS DEPEND-CONTIN      | 52        | Drug/Alcohol Dependence                           |
| 30432       | CANNABIS DEPEND-EPISODIC    | 52        | Drug/Alcohol Dependence                           |
| 30433       | CANNABIS DEPEND-REMISS      | 52        | Drug/Alcohol Dependence                           |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>             |
|-------------|-----------------------------|-----------|-----------------------------|
| 30440       | AMPHETAMIN DEPEND-UNSPEC    | 52        | Drug/Alcohol Dependence     |
| 30441       | AMPHETAMIN DEPEND-CONTIN    | 52        | Drug/Alcohol Dependence     |
| 30442       | AMPHETAMIN DEPEND-EPISOD    | 52        | Drug/Alcohol Dependence     |
| 30443       | AMPHETAMIN DEPEND-REMISS    | 52        | Drug/Alcohol Dependence     |
| 30450       | HALLUCINOGEN DEP-UNSPEC     | 52        | Drug/Alcohol Dependence     |
| 30451       | HALLUCINOGEN DEP-CONTIN     | 52        | Drug/Alcohol Dependence     |
| 30452       | HALLUCINOGEN DEP-EPISOD     | 52        | Drug/Alcohol Dependence     |
| 30453       | HALLUCINOGEN DEP-REMISS     | 52        | Drug/Alcohol Dependence     |
| 30460       | DRUG DEPEND NEC-UNSPEC      | 52        | Drug/Alcohol Dependence     |
| 30461       | DRUG DEPEND NEC-CONTIN      | 52        | Drug/Alcohol Dependence     |
| 30462       | DRUG DEPEND NEC-EPISODIC    | 52        | Drug/Alcohol Dependence     |
| 30463       | DRUG DEPEND NEC-IN REM      | 52        | Drug/Alcohol Dependence     |
| 30470       | OPIOID/OTHER DEP-UNSPEC     | 52        | Drug/Alcohol Dependence     |
| 30471       | OPIOID/OTHER DEP-CONTIN     | 52        | Drug/Alcohol Dependence     |
| 30472       | OPIOID/OTHER DEP-EPISOD     | 52        | Drug/Alcohol Dependence     |
| 30473       | OPIOID/OTHER DEP-REMISS     | 52        | Drug/Alcohol Dependence     |
| 30480       | COMB DRUG DEP NEC-UNSPEC    | 52        | Drug/Alcohol Dependence     |
| 30481       | COMB DRUG DEP NEC-CONTIN    | 52        | Drug/Alcohol Dependence     |
| 30482       | COMB DRUG DEP NEC-EPISOD    | 52        | Drug/Alcohol Dependence     |
| 30483       | COMB DRUG DEP NEC-REMISS    | 52        | Drug/Alcohol Dependence     |
| 30490       | DRUG DEPEND NOS-UNSPEC      | 52        | Drug/Alcohol Dependence     |
| 30491       | DRUG DEPEND NOS-CONTIN      | 52        | Drug/Alcohol Dependence     |
| 30492       | DRUG DEPEND NOS-EPISODIC    | 52        | Drug/Alcohol Dependence     |
| 30493       | DRUG DEPEND NOS-REMISS      | 52        | Drug/Alcohol Dependence     |
| 3060        | PSYCHOGEN MUSCULSKEL DIS    | 60        | Other Psychiatric Disorders |
| 3061        | PSYCHOGENIC RESPIR DIS      | 60        | Other Psychiatric Disorders |
| 3062        | PSYCHOGEN CARDIOVASC DIS    | 60        | Other Psychiatric Disorders |
| 3063        | PSYCHOGENIC SKIN DISEASE    | 60        | Other Psychiatric Disorders |
| 3064        | PSYCHOGENIC GI DISEASE      | 60        | Other Psychiatric Disorders |
| 30650       | PSYCHOGENIC GU DIS NOS      | 60        | Other Psychiatric Disorders |
| 30651       | PSYCHOGENIC VAGINISMUS      | 60        | Other Psychiatric Disorders |
| 30652       | PSYCHOGENIC DYSMENORRHEA    | 60        | Other Psychiatric Disorders |
| 30653       | PSYCHOGENIC DYSURIA         | 60        | Other Psychiatric Disorders |
| 30659       | PSYCHOGENIC GU DIS NEC      | 60        | Other Psychiatric Disorders |
| 3066        | PSYCHOGEN ENDOCRINE DIS     | 60        | Other Psychiatric Disorders |
| 3067        | PSYCHOGENIC SENSORY DIS     | 60        | Other Psychiatric Disorders |
| 3068        | PSYCHOGENIC DISORDER NEC    | 60        | Other Psychiatric Disorders |
| 3069        | PSYCHOGENIC DISORDER NOS    | 60        | Other Psychiatric Disorders |
| 3070        | STUTTERING                  | 60        | Other Psychiatric Disorders |
| 30720       | TIC DISORDER NOS            | 60        | Other Psychiatric Disorders |
| 30721       | TRANSIENT TIC DISORDER      | 60        | Other Psychiatric Disorders |
| 30722       | CHR MOTOR/VOCAL TIC DIS     | 60        | Other Psychiatric Disorders |
| 30723       | TOURETTE'S DISORDER         | 60        | Other Psychiatric Disorders |
| 3073        | STEREOTYPIC MOVEMENT DIS    | 60        | Other Psychiatric Disorders |
| 30740       | NONORGANIC SLEEP DIS NOS    | 60        | Other Psychiatric Disorders |
| 30741       | TRANSIENT INSOMNIA          | 60        | Other Psychiatric Disorders |
| 30742       | PERSISTENT INSOMNIA         | 60        | Other Psychiatric Disorders |
| 30743       | TRANSIENT HYPERSONMIA       | 60        | Other Psychiatric Disorders |
| 30744       | PERSISTENT HYPERSONMIA      | 60        | Other Psychiatric Disorders |
| 30745       | NONORGANIC CIRCADIAN RHY    | 60        | Other Psychiatric Disorders |
| 30746       | SLEEP AROUSAL DISORDER      | 60        | Other Psychiatric Disorders |
| 30747       | SLEEP STAGE DYSFUNC NEC     | 60        | Other Psychiatric Disorders |
| 30748       | REPETIT SLEEP INTRUSION     | 60        | Other Psychiatric Disorders |
| 30749       | NONORGANIC SLEEP DIS NEC    | 60        | Other Psychiatric Disorders |
| 30750       | EATING DISORDER NOS         | 60        | Other Psychiatric Disorders |
| 30752       | PICA                        | 60        | Other Psychiatric Disorders |
| 30753       | RUMINATION DISORDER         | 60        | Other Psychiatric Disorders |
| 30754       | PSYCHOGENIC VOMITING        | 60        | Other Psychiatric Disorders |
| 30759       | EATING DISORDER NEC         | 60        | Other Psychiatric Disorders |
| 3076        | ENURESIS                    | 60        | Other Psychiatric Disorders |
| 3077        | ENCOPRESIS                  | 60        | Other Psychiatric Disorders |
| 30780       | PSYCHOGENIC PAIN NOS        | 60        | Other Psychiatric Disorders |
| 30789       | PSYCHOGENIC PAIN NEC        | 60        | Other Psychiatric Disorders |
| 3079        | SPECIAL SYMPTOM NEC/NOS     | 60        | Other Psychiatric Disorders |
| 3080        | STRESS REACT, EMOTIONAL     | 60        | Other Psychiatric Disorders |
| 3081        | STRESS REACTION, FUGUE      | 60        | Other Psychiatric Disorders |
| 3082        | STRESS REACT, PSYCHOMOT     | 60        | Other Psychiatric Disorders |
| 3083        | ACUTE STRESS REACT NEC      | 60        | Other Psychiatric Disorders |
| 3084        | STRESS REACT, MIXED DIS     | 60        | Other Psychiatric Disorders |
| 3089        | ACUTE STRESS REACT NOS      | 60        | Other Psychiatric Disorders |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                  |
|-------------|-----------------------------|-----------|----------------------------------|
| 3090        | ADJUSTMNT DIS W DEPRESSN    | 60        | Other Psychiatric Disorders      |
| 3091        | PROLONG DEPRESSIVE REACT    | 58        | Depression                       |
| 30921       | SEPARATION ANXIETY          | 60        | Other Psychiatric Disorders      |
| 30922       | EMANCIPATION DISORDER       | 60        | Other Psychiatric Disorders      |
| 30923       | ACADEMIC/WORK INHIBITION    | 60        | Other Psychiatric Disorders      |
| 30924       | ADJUSTMENT DIS W ANXIETY    | 60        | Other Psychiatric Disorders      |
| 30928       | ADJUST DIS W ANXIETY/DEP    | 60        | Other Psychiatric Disorders      |
| 30929       | ADJ REACT-EMOTION NEC       | 60        | Other Psychiatric Disorders      |
| 3093        | ADJUST DISOR/DIS CONDUCT    | 60        | Other Psychiatric Disorders      |
| 3094        | ADJ DIS-EMOTION/CONDUCT     | 60        | Other Psychiatric Disorders      |
| 30982       | ADJUST REACT-PHYS SYMPT     | 60        | Other Psychiatric Disorders      |
| 30983       | ADJUST REACT-WITHDRAWAL     | 60        | Other Psychiatric Disorders      |
| 30989       | ADJUSTMENT REACTION NEC     | 60        | Other Psychiatric Disorders      |
| 3099        | ADJUSTMENT REACTION NOS     | 60        | Other Psychiatric Disorders      |
| 311         | DEPRESSIVE DISORDER NEC     | 58        | Depression                       |
| 31200       | UNSOCIAL AGGRESS-UNSPEC     | 60        | Other Psychiatric Disorders      |
| 31201       | UNSOCIAL AGGRESSION-MILD    | 60        | Other Psychiatric Disorders      |
| 31202       | UNSOCIAL AGGRESSION-MOD     | 60        | Other Psychiatric Disorders      |
| 31203       | UNSOCIAL AGGRESS-SEVERE     | 60        | Other Psychiatric Disorders      |
| 31210       | UNSOCIAL UNAGGRESS-UNSP     | 60        | Other Psychiatric Disorders      |
| 31211       | UNSOCIAL UNAGGRESS-MILD     | 60        | Other Psychiatric Disorders      |
| 31212       | UNSOCIAL UNAGGRESS-MOD      | 60        | Other Psychiatric Disorders      |
| 31213       | UNSOCIAL UNAGGR-SEVERE      | 60        | Other Psychiatric Disorders      |
| 31220       | SOCIAL CONDUCT DIS-UNSP     | 60        | Other Psychiatric Disorders      |
| 31221       | SOCIAL CONDUCT DIS-MILD     | 60        | Other Psychiatric Disorders      |
| 31222       | SOCIAL CONDUCT DIS-MOD      | 60        | Other Psychiatric Disorders      |
| 31223       | SOCIAL CONDUCT DIS-SEV      | 60        | Other Psychiatric Disorders      |
| 31230       | IMPULSE CONTROL DIS NOS     | 60        | Other Psychiatric Disorders      |
| 31231       | PATHOLOGICAL GAMBLING       | 60        | Other Psychiatric Disorders      |
| 31232       | KLEPTOMANIA                 | 60        | Other Psychiatric Disorders      |
| 31233       | PYROMANIA                   | 60        | Other Psychiatric Disorders      |
| 31234       | INTERMITT EXPLOSIVE DIS     | 60        | Other Psychiatric Disorders      |
| 31235       | ISOLATED EXPLOSIVE DIS      | 60        | Other Psychiatric Disorders      |
| 31239       | IMPULSE CONTROL DIS NEC     | 60        | Other Psychiatric Disorders      |
| 3124        | MIX DIS CONDUCT/EMOTION     | 60        | Other Psychiatric Disorders      |
| 31281       | CNDCT DSRDR CHLDHD ONST     | 60        | Other Psychiatric Disorders      |
| 31282       | CNDCT DSRDR ADLSCNT ONST    | 60        | Other Psychiatric Disorders      |
| 31289       | OTHER CONDUCT DISORDER      | 60        | Other Psychiatric Disorders      |
| 3129        | CONDUCT DISTURBANCE NOS     | 60        | Other Psychiatric Disorders      |
| 316         | PSYCHIC FACTOR W OTH DIS    | 60        | Other Psychiatric Disorders      |
| 3200        | HEMOPHILUS MENINGITIS       | 3         | Central Nervous System Infection |
| 3201        | PNEUMOCOCCAL MENINGITIS     | 3         | Central Nervous System Infection |
| 3202        | STREPTOCOCCAL MENINGITIS    | 3         | Central Nervous System Infection |
| 3203        | STAPHYLOCOCC MENINGITIS     | 3         | Central Nervous System Infection |
| 3207        | MENING IN OTH BACT DIS      | 3         | Central Nervous System Infection |
| 32081       | ANAEROBIC MENINGITIS        | 3         | Central Nervous System Infection |
| 32082       | MNINGTS GRAM-NEG BCT NEC    | 3         | Central Nervous System Infection |
| 32089       | MENINGITIS OTH SPCF BACT    | 3         | Central Nervous System Infection |
| 3209        | BACTERIAL MENINGITIS NOS    | 3         | Central Nervous System Infection |
| 3210        | CRYPTOCOCCAL MENINGITIS     | 5         | Opportunistic Infections         |
| 3211        | MENING IN OTH FUNGAL DIS    | 3         | Central Nervous System Infection |
| 3212        | MENING IN OTH VIRAL DIS     | 3         | Central Nervous System Infection |
| 3213        | TRYPANOSOMIASIS MENINGIT    | 3         | Central Nervous System Infection |
| 3214        | MENINGIT D/T SARCOIDOSIS    | 3         | Central Nervous System Infection |
| 3218        | MENING IN OTH NONBAC DIS    | 3         | Central Nervous System Infection |
| 3220        | NONPYOGENIC MENINGITIS      | 3         | Central Nervous System Infection |
| 3221        | EOSINOPHILIC MENINGITIS     | 3         | Central Nervous System Infection |
| 3222        | CHRONIC MENINGITIS          | 3         | Central Nervous System Infection |
| 3229        | MENINGITIS NOS              | 3         | Central Nervous System Infection |
| 3230        | ENCEPHALIT IN VIRAL DIS     | 3         | Central Nervous System Infection |
| 32301       | ENCEPH/ENCEPHMYE OTH DIS    | 3         | Central Nervous System Infection |
| 32302       | MYELITIS-OTH VIRAL DIS      | 3         | Central Nervous System Infection |
| 3231        | RICKETTSIAL ENCEPHALITIS    | 3         | Central Nervous System Infection |
| 3232        | PROTOZOAL ENCEPHALITIS      | 3         | Central Nervous System Infection |
| 3234        | OTH ENCEPHALIT D/T INFEC    | 3         | Central Nervous System Infection |
| 32341       | ENCEPH/MYELITIS-OTH INF     | 3         | Central Nervous System Infection |
| 32342       | MYELITIS D/T OTH INFECT     | 3         | Central Nervous System Infection |
| 3235        | POSTIMMUNIZAT ENCEPHALIT    | 3         | Central Nervous System Infection |
| 32351       | ENCEPH/MYEL FOLWG IMMUNE    | 3         | Central Nervous System Infection |
| 32352       | MYELITIS FOLWG IMMUNE       | 3         | Central Nervous System Infection |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                              |
|-------------|-----------------------------|-----------|--|
| 3236        | POSTINFECT ENCEPHALITIS     | 3         | Central Nervous System Infection             |
| 32361       | INF AC DIS ENCEPHALOMYEL    | 3         | Central Nervous System Infection             |
| 32362       | POSTINF ENCEPHALITIS NEC    | 3         | Central Nervous System Infection             |
| 32363       | POSTINFECTIOUS MYELITIS     | 3         | Central Nervous System Infection             |
| 3238        | ENCEPHALITIS NEC            | 3         | Central Nervous System Infection             |
| 32381       | ENCEPH & ENCEPHALO NEC      | 3         | Central Nervous System Infection             |
| 32382       | MYELITIS CAUSE NEC          | 3         | Central Nervous System Infection             |
| 3239        | ENCEPHALITIS NOS            | 3         | Central Nervous System Infection             |
| 3240        | INTRACRANIAL ABSCESS        | 3         | Central Nervous System Infection             |
| 3241        | INTRASPINAL ABSCESS         | 3         | Central Nervous System Infection             |
| 3249        | CNS ABSCESS NOS             | 3         | Central Nervous System Infection             |
| 325         | PHLEBITIS INTRCRAN SINUS    | 3         | Central Nervous System Infection             |
| 326         | LATE EFF CNS ABSCESS        | 3         | Central Nervous System Infection             |
| 33371       | ATHETOID CEREBRAL PALSY     | 101       | Cerebral Palsy and Other Paralytic Syndromes |
| 3340        | FRIEDREICH'S ATAXIA         | 69        | Spinal Cord Disorders/Injuries               |
| 3341        | HERED SPASTIC PARAPLEGIA    | 69        | Spinal Cord Disorders/Injuries               |
| 3342        | PRIMARY CEREBELLAR DEGEN    | 69        | Spinal Cord Disorders/Injuries               |
| 3343        | CEREBELLAR ATAXIA NEC       | 69        | Spinal Cord Disorders/Injuries               |
| 3344        | CEREBEL ATAX IN OTH DIS     | 69        | Spinal Cord Disorders/Injuries               |
| 3348        | SPINOCEREBELLAR DIS NEC     | 69        | Spinal Cord Disorders/Injuries               |
| 3349        | SPINOCEREBELLAR DIS NOS     | 69        | Spinal Cord Disorders/Injuries               |
| 3350        | WERDNIG-HOFFMANN DISEASE    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33510       | SPINAL MUSCL ATROPHY NOS    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33511       | KUGELBERG-WELANDER DIS      | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33519       | SPINAL MUSCL ATROPHY NEC    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33520       | AMYOTROPHIC SCLEROSIS       | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33521       | PROG MUSCULAR ATROPHY       | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33522       | PROGRESSIVE BULBAR PALSY    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33523       | PSEUDOBULBAR PALSY          | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33524       | PRIM LATERAL SCLEROSIS      | 67        | Quadriplegia, Other Extensive Paralysis      |
| 33529       | MOTOR NEURON DISEASE NEC    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 3358        | ANT HORN CELL DIS NEC       | 67        | Quadriplegia, Other Extensive Paralysis      |
| 3359        | ANT HORN CELL DIS NOS       | 67        | Quadriplegia, Other Extensive Paralysis      |
| 3360        | SYRINGOMYELIA               | 69        | Spinal Cord Disorders/Injuries               |
| 3361        | VASCULAR MYELOPATHIES       | 69        | Spinal Cord Disorders/Injuries               |
| 3362        | COMB DEG CORD IN OTH DIS    | 69        | Spinal Cord Disorders/Injuries               |
| 3363        | MYELOPATHY IN OTH DIS       | 69        | Spinal Cord Disorders/Injuries               |
| 3368        | MYELOPATHY NEC              | 69        | Spinal Cord Disorders/Injuries               |
| 3369        | SPINAL CORD DISEASE NOS     | 69        | Spinal Cord Disorders/Injuries               |
| 34120       | ACUTE MYELITIS NOS          | 3         | Central Nervous System Infection             |
| 34121       | ACUTE MYELITIS OTH COND     | 3         | Central Nervous System Infection             |
| 34122       | IDIOPATHC TRANS MYELITIS    | 3         | Central Nervous System Infection             |
| 34200       | FLCCD HMIPLGA UNSPF SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34201       | FLCCD HMIPLGA DOMNT SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34202       | FLCCD HMIPLG NONDMNT SDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34210       | SPSTC HMIPLGA UNSPF SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34211       | SPSTC HMIPLGA DOMNT SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34212       | SPSTC HMIPLG NONDMNT SDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34280       | OT SP HMIPLGA UNSPF SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34281       | OT SP HMIPLGA DOMNT SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34282       | OT SP HMIPLG NONDMNT SDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34290       | UNSP HEMIPLGA UNSPF SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34291       | UNSP HEMIPLGA DOMNT SIDE    | 100       | Hemiplegia/Hemiparesis                       |
| 34292       | UNSP HMIPLGA NONDMNT SDE    | 100       | Hemiplegia/Hemiparesis                       |
| 3430        | CONGENITAL DIPLEGIA         | 68        | Paraplegia                                   |
| 3431        | CONGENITAL HEMIPLEGIA       | 100       | Hemiplegia/Hemiparesis                       |
| 3432        | CONGENITAL QUADRIPLÉGIA     | 67        | Quadriplegia, Other Extensive Paralysis      |
| 3433        | CONGENITAL MONOPLÉGIA       | 101       | Cerebral Palsy and Other Paralytic Syndromes |
| 3434        | INFANTILE HEMIPLEGIA        | 100       | Hemiplegia/Hemiparesis                       |
| 3438        | CEREBRAL PALSY NEC          | 101       | Cerebral Palsy and Other Paralytic Syndromes |
| 3439        | CEREBRAL PALSY NOS          | 101       | Cerebral Palsy and Other Paralytic Syndromes |
| 34400       | QUADRIPLÉGIA, UNSPECIFD     | 67        | Quadriplegia, Other Extensive Paralysis      |
| 34401       | QUADRPLG C1-C4, COMPLETE    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 34402       | QUADRPLG C1-C4, INCOMPLT    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 34403       | QUADRPLG C5-C7, COMPLETE    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 34404       | QUADRPLG C5-C7, INCOMPLT    | 67        | Quadriplegia, Other Extensive Paralysis      |
| 34409       | OTHER QUADRIPLÉGIA          | 67        | Quadriplegia, Other Extensive Paralysis      |
| 3441        | PARAPLEGIA NOS              | 68        | Paraplegia                                   |
| 3442        | DIPLEGIA OF UPPER LIMBS     | 101       | Cerebral Palsy and Other Paralytic Syndromes |
| 34430       | MONPLGA LWR LMB UNSP SDE    | 101       | Cerebral Palsy and Other Paralytic Syndromes |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 34431       | MONPLGA LWR LMB DMNT SDE    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34432       | MNPLG LWR LMB NONDMNT SD    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34440       | MONPLGA UPR LMB UNSP SDE    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34441       | MONPLGA UPR LMB DMNT SDE    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34442       | MNPLG UPR LMB NONDMNT SD    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 3445        | MONOPLÉGIA NOS              | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34460       | CAUDA EQUINA SYND NOS       | 69        | Spinal Cord Disorders/Injuries                                  |
| 34461       | NEUROGENIC BLADDER          | 69        | Spinal Cord Disorders/Injuries                                  |
| 34481       | LOCKED-IN STATE             | 67        | Quadriplegia, Other Extensive Paralysis                         |
| 34489       | OTH SPCF PARALYTIC SYND     | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 3449        | PARALYSIS NOS               | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 34500       | GEN NONCV EP W/O INTR EP    | 74        | Seizure Disorders and Convulsions                               |
| 34501       | GEN NONCONV EP W INTR EP    | 74        | Seizure Disorders and Convulsions                               |
| 34510       | GEN CNV EPIL W/O INTR EP    | 74        | Seizure Disorders and Convulsions                               |
| 34511       | GEN CNV EPIL W INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 3452        | PETIT MAL STATUS            | 74        | Seizure Disorders and Convulsions                               |
| 3453        | GRAND MAL STATUS            | 74        | Seizure Disorders and Convulsions                               |
| 34540       | PSYMOTR EPIL W/O INT EPI    | 74        | Seizure Disorders and Convulsions                               |
| 34541       | PSYMOTR EPIL W INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 34550       | PART EPIL W/O INTR EPIL     | 74        | Seizure Disorders and Convulsions                               |
| 34551       | PART EPIL W INTR EPIL       | 74        | Seizure Disorders and Convulsions                               |
| 34560       | INF SPASM W/O INTR EPIL     | 74        | Seizure Disorders and Convulsions                               |
| 34561       | INF SPASM W INTRACT EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 34570       | EPIL PAR CONT W/O INT EP    | 74        | Seizure Disorders and Convulsions                               |
| 34571       | EPIL PAR CONT W INTR EPI    | 74        | Seizure Disorders and Convulsions                               |
| 34580       | EPILEP NEC W/O INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 34581       | EPILEPSY NEC W INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 34590       | EPILEP NOS W/O INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 34591       | EPILEPSY NOS W INTR EPIL    | 74        | Seizure Disorders and Convulsions                               |
| 3536        | PHANTOM LIMB (SYNDROME)     | 177       | Amputation Status, Lower Limb/Amputation Complications          |
| 42741       | VENTRICULAR FIBRILLATION    | 79        | Cardio-Respiratory Failure and Shock                            |
| 42742       | VENTRICULAR FLUTTER         | 79        | Cardio-Respiratory Failure and Shock                            |
| 4275        | CARDIAC ARREST              | 79        | Cardio-Respiratory Failure and Shock                            |
| 43820       | LATE EF-HEMPLGA SIDE NOS    | 100       | Hemiplegia/Hemiparesis  |
| 43821       | LATE EF-HEMPLGA DOM SIDE    | 100       | Hemiplegia/Hemiparesis  |
| 43822       | LATE EF-HEMPLGA NON-DOM     | 100       | Hemiplegia/Hemiparesis  |
| 43830       | LATE EF-MPLGA UP LMB NOS    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43831       | LATE EF-MPLGA UP LMB DOM    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43832       | LT EF-MPLGA UPLMB NONDOM    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43840       | LTE EF-MPLGA LOW LMB NOS    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43841       | LTE EF-MPLGA LOW LMB DOM    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43842       | LT EF-MPLGA LOWLMB NONDM    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43850       | LT EF OTH PARAL SIDE NOS    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43851       | LT EF OTH PARAL DOM SIDE    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43852       | LT EF OTH PARALS NON-DOM    | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 43853       | LT EF OTH PARALS-BILAT      | 101       | Cerebral Palsy and Other Paralytic Syndromes                    |
| 4460        | POLYARTERITIS NODOSA        | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4461        | MUCOCUTAN LYMPH NODE SYN    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 44620       | HYPERSENSIT ANGIITIS NOS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 44621       | GOODPASTURE'S SYNDROME      | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 44629       | HYPERSENSIT ANGIITIS NEC    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4463        | LETHAL MIDLINE GRANULOMA    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4464        | WEGENER'S GRANULOMATOSIS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4465        | GIANT CELL ARTERITIS        | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4466        | THROMBOT MICROANGIOPATHY    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4467        | TAKAYASU'S DISEASE          | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 4560        | ESOPHAG VARICES W BLEED     | 25        | End-Stage Liver Disease   |
| 4561        | ESOPH VARICES W/O BLEED     | 25        | End-Stage Liver Disease   |
| 45620       | BLEED ESOPH VAR OTH DIS     | 25        | End-Stage Liver Disease   |
| 45621       | ESOPH VARICE OTH DIS NOS    | 25        | End-Stage Liver Disease   |
| 4800        | ADENOVIRAL PNEUMONIA        | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 4801        | RESP SYNCYT VIRAL PNEUM     | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 4802        | PARINFLUENZA VIRAL PNEUM    | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 4803        | PNEUMONIA DUE TO SARS       | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 4808        | VIRAL PNEUMONIA NEC         | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 4809        | VIRAL PNEUMONIA NOS         | 113       | Viral and Unspecified Pneumonia, Pleurisy                       |
| 481         | PNEUMOCOCCAL PNEUMONIA      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess                 |
| 4820        | K. PNEUMONIAE PNEUMONIA     | 111       | Aspiration and Specified Bacterial Pneumonias                   |
| 4821        | PSEUDOMONAL PNEUMONIA       | 111       | Aspiration and Specified Bacterial Pneumonias                   |
| 4822        | H.INFLUENZAE PNEUMONIA      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess                 |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                   |
|-------------|-----------------------------|-----------|---|
| 48230       | STREPTOCOCCAL PNEUMN NOS    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 48231       | PNEUMONIA STRPTOCOCCUS A    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 48232       | PNEUMONIA STRPTOCOCCUS B    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 48239       | PNEUMONIA OTH STREP         | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 48240       | STAPHYLOCOCCAL PNEU NOS     | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48241       | STAPH AUREUS PNEUMONIA      | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48249       | STAPH PNEUMONIA NEC         | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48281       | PNEUMONIA ANAEROBES         | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48282       | PNEUMONIA E COLI            | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48283       | PNEUMO OTH GRM-NEG BACT     | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48284       | LEGIONNAIRES' DISEASE       | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 48289       | PNEUMONIA OTH SPCF BACT     | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 4829        | BACTERIAL PNEUMONIA NOS     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4830        | PNEU MYCPLSM PNEUMONIAE     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4831        | PNEUMONIA D/T CHLAMYDIA     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4838        | PNEUMON OTH SPEC ORGNISM    | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4841        | PNEUM W CYTOMEG INCL DIS    | 5         | Opportunistic Infections                          |
| 4843        | PNEUMONIA IN WHOOP COUGH    | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4845        | PNEUMONIA IN ANTHRAX        | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4846        | PNEUM IN ASPERGILLOSIS      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 4847        | PNEUM IN OTH SYS MYCOSES    | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 4848        | PNEUM IN INFECT DIS NEC     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 485         | BRONCHOPNEUMONIA ORG NOS    | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 486         | PNEUMONIA, ORGANISM NOS     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4870        | INFLUENZA WITH PNEUMONIA    | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 4910        | SIMPLE CHR BRONCHITIS       | 108       | Chronic Obstructive Pulmonary Disease             |
| 4911        | MUCOPURUL CHR BRONCHITIS    | 108       | Chronic Obstructive Pulmonary Disease             |
| 49120       | OBST CHR BRONC W/O EXAC     | 108       | Chronic Obstructive Pulmonary Disease             |
| 49121       | OBS CHR BRONC W(AC) EXAC    | 108       | Chronic Obstructive Pulmonary Disease             |
| 49122       | OBS CHR BRONC W AC BRONC    | 108       | Chronic Obstructive Pulmonary Disease             |
| 4918        | CHRONIC BRONCHITIS NEC      | 108       | Chronic Obstructive Pulmonary Disease             |
| 4919        | CHRONIC BRONCHITIS NOS      | 108       | Chronic Obstructive Pulmonary Disease             |
| 4920        | EMPHYSEMATOUS BLEB          | 108       | Chronic Obstructive Pulmonary Disease             |
| 4928        | EMPHYSEMA NEC               | 108       | Chronic Obstructive Pulmonary Disease             |
| 49320       | CHRONIC OBST ASTHMA NOS     | 108       | Chronic Obstructive Pulmonary Disease             |
| 49321       | CH OB ASTHMA W STAT ASTH    | 108       | Chronic Obstructive Pulmonary Disease             |
| 49322       | CH OBST ASTH W (AC) EXAC    | 108       | Chronic Obstructive Pulmonary Disease             |
| 4940        | BRONCHIECTAS W/O AC EXAC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4941        | BRONCHIECTASIS W AC EXAC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4950        | FARMERS' LUNG               | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4951        | BAGASSOSIS                  | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4952        | BIRD-FANCIERS' LUNG         | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4953        | SUBEROSIS                   | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4954        | MALT WORKERS' LUNG          | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4955        | MUSHROOM WORKERS' LUNG      | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4956        | MAPL BARK-STRIPPRS' LUNG    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4957        | "VENTILATION" PNEUMONIT     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4958        | ALLERG ALVEOL/PNEUM NEC     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 4959        | ALLERG ALVEOL/PNEUM NOS     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 496         | CHR AIRWAY OBSTRUCT NEC     | 108       | Chronic Obstructive Pulmonary Disease             |
| 500         | COAL WORKERS' PNEUMOCON     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 501         | ASBESTOSIS                  | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 502         | SILICA PNEUMOCON NEC        | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 503         | INORG DUST PNEUMOCON NEC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 504         | DUST PNEUMONOPATHY NEC      | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 505         | PNEUMOCOONIOSIS NOS         | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5060        | FUM/VAPOR BRONC/PNEUMON     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5061        | FUM/VAPOR AC PULM EDEMA     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5062        | FUM/VAPOR UP RESP INFLAM    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5063        | FUM/VAP AC RESP COND NEC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5064        | FUM/VAPOR CHR RESP COND     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5069        | FUM/VAPOR RESP COND NOS     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5070        | FOOD/VOMIT PNEUMONITIS      | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 5071        | OIL/ESSENCE PNEUMONITIS     | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 5078        | SOLID/LIQ PNEUMONIT NEC     | 111       | Aspiration and Specified Bacterial Pneumonias     |
| 5080        | AC PUL MANIF D/T RADIAT     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5081        | CHR PUL MANIF D/T RADIAT    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5088        | RESP COND: EXT AGENT NEC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5089        | RESP COND: EXT AGENT NOS    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5100        | EMPYEMA WITH FISTULA        | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                   |
|-------------|-----------------------------|-----------|---|
| 5109        | EMPYEMA W/O FISTULA         | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 5110        | PLEURISY W/O EFFUS OR TB    | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 5130        | ABSCESS OF LUNG             | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 5131        | ABSCESS OF MEDIASTINUM      | 112       | Pneumococcal Pneumonia, Emphysema, Lung Abscess   |
| 514         | PULM CONGEST/HYPOSTASIS     | 113       | Viral and Unspecified Pneumonia, Pleurisy         |
| 515         | POSTINFLAM PULM FIBROSIS    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5160        | PUL ALVEOLAR PROTEINOSIS    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5161        | IDIO PULM HEMOSIDEROSIS     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5162        | PULM ALVEOLAR MICROLITH     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5163        | IDIO FIBROS ALVEOLITIS      | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5168        | ALVEOL PNEUMONOPATHY NEC    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5169        | ALVEOL PNEUMONOPATHY NOS    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5171        | RHEUMATIC PNEUMONIA         | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5172        | SYST SCLEROSIS LUNG DIS     | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5173        | ACUTE CHEST SYNDROME        | 44        | Severe Hematological Disorders                    |
| 5178        | LUNG INVOLV IN OTH DIS      | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5181        | INTERSTITIAL EMPHYSEMA      | 108       | Chronic Obstructive Pulmonary Disease             |
| 5182        | COMPENSATORY EMPHYSEMA      | 108       | Chronic Obstructive Pulmonary Disease             |
| 5183        | PULMONARY EOSINOPHILIA      | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 5184        | ACUTE LUNG EDEMA NOS        | 79        | Cardio-Respiratory Failure and Shock              |
| 5185        | POST TRAUM PULM INSUFFIC    | 79        | Cardio-Respiratory Failure and Shock              |
| 5186        | ALRGC BRNCPUL ASPRGLOSIS    | 109       | Fibrosis of Lung and Other Chronic Lung Disorders |
| 51881       | ACUTE RESPIRATRY FAILURE    | 79        | Cardio-Respiratory Failure and Shock              |
| 51882       | OTHER PULMONARY INSUFF      | 79        | Cardio-Respiratory Failure and Shock              |
| 51883       | CHRONIC RESPIRATORY FAIL    | 79        | Cardio-Respiratory Failure and Shock              |
| 51884       | ACUTE & CHRONC RESP FAIL    | 79        | Cardio-Respiratory Failure and Shock              |
| 51900       | TRACHEOSTOMY COMP NOS       | 77        | Respirator Dependence/Tracheostomy Status         |
| 51901       | TRACHEOSTOMY INFECTION      | 77        | Respirator Dependence/Tracheostomy Status         |
| 51902       | TRACHEOSTOMY - MECH COMP    | 77        | Respirator Dependence/Tracheostomy Status         |
| 51909       | TRACHEOSTOMY COMP NEC       | 77        | Respirator Dependence/Tracheostomy Status         |
| 5712        | ALCOHOL CIRRHOSIS LIVER     | 26        | Cirrhosis of Liver                                |
| 5713        | ALCOHOL LIVER DAMAGE NOS    | 26        | Cirrhosis of Liver                                |
| 5715        | CIRRHOSIS OF LIVER NOS      | 26        | Cirrhosis of Liver                                |
| 5716        | BILIARY CIRRHOSIS           | 26        | Cirrhosis of Liver                                |
| 5722        | HEPATIC COMA                | 25        | End-Stage Liver Disease                           |
| 5723        | PORTAL HYPERTENSION         | 25        | End-Stage Liver Disease                           |
| 5724        | HEPATORENAL SYNDROME        | 25        | End-Stage Liver Disease                           |
| 5728        | OTH SEQUELA, CHR LIV DIS    | 25        | End-Stage Liver Disease                           |
| 5731        | HEPATITIS IN VIRAL DIS      | 6         | Other Infectious Diseases                         |
| 5770        | ACUTE PANCREATITIS          | 32        | Pancreatic Disease                                |
| 5771        | CHRONIC PANCREATITIS        | 32        | Pancreatic Disease                                |
| 5772        | PANCREAT CYST/PSEUDOCYST    | 32        | Pancreatic Disease                                |
| 5778        | PANCREATIC DISEASE NEC      | 32        | Pancreatic Disease                                |
| 5779        | PANCREATIC DISEASE NOS      | 32        | Pancreatic Disease                                |
| 5790        | CELIAC DISEASE              | 32        | Pancreatic Disease                                |
| 5791        | TROPICAL SPRUE              | 32        | Pancreatic Disease                                |
| 5792        | BLIND LOOP SYNDROME         | 32        | Pancreatic Disease                                |
| 5793        | INTEST POSTOP NONABSORB     | 32        | Pancreatic Disease                                |
| 5794        | PANCREATIC STEATORRHEA      | 32        | Pancreatic Disease                                |
| 5798        | INTEST MALABSORPTION NEC    | 32        | Pancreatic Disease                                |
| 5799        | INTEST MALABSORPTION NOS    | 32        | Pancreatic Disease                                |
| 7070        | DECUBITUS ULCER             | 148       | Decubitus Ulcer of Skin                           |
| 70700       | DECUBITUS ULCER SITE NOS    | 148       | Decubitus Ulcer of Skin                           |
| 70701       | DECUBITUS ULCER,ELBOW       | 148       | Decubitus Ulcer of Skin                           |
| 70702       | DECUBITUS ULCER,UP BACK     | 148       | Decubitus Ulcer of Skin                           |
| 70703       | DECUBITUS ULCER,LOW BACK    | 148       | Decubitus Ulcer of Skin                           |
| 70704       | DECUBITUS ULCER,HIP         | 148       | Decubitus Ulcer of Skin                           |
| 70705       | DECUBITUS ULCER,BUTTOCK     | 148       | Decubitus Ulcer of Skin                           |
| 70706       | DECUBITUS ULCER,ANKLE       | 148       | Decubitus Ulcer of Skin                           |
| 70707       | DECUBITUS ULCER,HEEL        | 148       | Decubitus Ulcer of Skin                           |
| 70709       | DECUBITUS ULCER,SITE NEC    | 148       | Decubitus Ulcer of Skin                           |
| 70710       | ULCER OF LOWER LIMB NOS     | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70711       | ULCER OF THIGH              | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70712       | ULCER OF CALF               | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70713       | ULCER OF ANKLE              | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70714       | ULCER OF HEEL & MIDFOOT     | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70715       | ULCER OTHER PART OF FOOT    | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 70719       | ULCER OTH PART LOW LIMB     | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 7078        | CHRONIC SKIN ULCER NEC      | 149       | Chronic Ulcer of Skin, Except Decubitus           |
| 7079        | CHRONIC SKIN ULCER NOS      | 149       | Chronic Ulcer of Skin, Except Decubitus           |



**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>   |
|-------------|-----------------------------|-----------|---|
| 7100        | SYST LUPUS ERYTHEMATOSUS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7101        | SYSTEMIC SCLEROSIS          | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7102        | SICCA SYNDROME              | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7103        | DERMATOMYOSITIS             | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7104        | POLYMYOSITIS                | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7105        | EOSINOPHILIA MYALGIA SND    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7108        | DIFF CONNECT TIS DIS NEC    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7109        | DIFF CONNECT TIS DIS NOS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7140        | RHEUMATOID ARTHRITIS        | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7141        | FELTY'S SYNDROME            | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7142        | SYST RHEUM ARTHRITIS NEC    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71430       | JUV RHEUM ARTHRITIS NOS     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71431       | POLYART JUV RHEUM ARTHR     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71432       | PAUCIART JUV RHEUM ARTHR    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71433       | MONOART JUV RHEUM ARTHR     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7144        | CHR POSTRHEUM ARTHRITIS     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71481       | RHEUMATOID LUNG             | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 71489       | INFLAMM POLYARTHROP NEC     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7149        | INFLAMM POLYARTHROP NOS     | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7200        | ANKYLOSING SPONDYLITIS      | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7201        | SPINAL ENTHESOPATHY         | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7202        | SACROILIITIS NEC            | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 72081       | SPONDYLOPATHY IN OTH DIS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 72089       | INFLAM SPONDYLOPATHY NEC    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 7209        | INFLAM SPONDYLOPATHY NOS    | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 725         | POLYMYALGIA RHEUMATICA      | 38        | Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 73314       | PATH FX NECK OF FEMUR       | 158       | Hip Fracture/Dislocation  |
| 73315       | PATH FX OTH SPCF PRT FMR    | 158       | Hip Fracture/Dislocation  |
| 7400        | ANENCEPHALUS                | 69        | Spinal Cord Disorders/Injuries                                  |
| 7401        | CRANIORACHISCHISIS          | 69        | Spinal Cord Disorders/Injuries                                  |
| 7402        | INIENCEPHALY                | 69        | Spinal Cord Disorders/Injuries                                  |
| 74100       | SPIN BIF W HYDROCEPH NOS    | 69        | Spinal Cord Disorders/Injuries                                  |
| 74101       | SPIN BIF W HYDRCEPH-CERV    | 69        | Spinal Cord Disorders/Injuries                                  |
| 74102       | SPIN BIF W HYDRCEPH-DORS    | 69        | Spinal Cord Disorders/Injuries                                  |
| 74103       | SPIN BIF W HYDRCEPH-LUMB    | 69        | Spinal Cord Disorders/Injuries                                  |
| 74190       | SPINA BIFIDA                | 69        | Spinal Cord Disorders/Injuries                                  |
| 74191       | SPINA BIFIDA-CERV           | 69        | Spinal Cord Disorders/Injuries                                  |
| 74192       | SPINA BIFIDA-DORSAL         | 69        | Spinal Cord Disorders/Injuries                                  |
| 74193       | SPINA BIFIDA-LUMBAR         | 69        | Spinal Cord Disorders/Injuries                                  |
| 7420        | ENCEPHALOCELE               | 69        | Spinal Cord Disorders/Injuries                                  |
| 7421        | MICROCEPHALUS               | 69        | Spinal Cord Disorders/Injuries                                  |
| 7422        | REDUCTION DEFORM, BRAIN     | 69        | Spinal Cord Disorders/Injuries                                  |
| 7423        | CONGENITAL HYDROCEPHALUS    | 69        | Spinal Cord Disorders/Injuries                                  |
| 7424        | BRAIN ANOMALY NEC           | 69        | Spinal Cord Disorders/Injuries                                  |
| 74251       | DIASTEMATOMYELIA            | 69        | Spinal Cord Disorders/Injuries                                  |
| 74253       | HYDROMYELIA                 | 69        | Spinal Cord Disorders/Injuries                                  |
| 74259       | SPINAL CORD ANOMALY NEC     | 69        | Spinal Cord Disorders/Injuries                                  |
| 7428        | NERVOUS SYSTEM ANOM NEC     | 69        | Spinal Cord Disorders/Injuries                                  |
| 7429        | NERVOUS SYSTEM ANOM NOS     | 69        | Spinal Cord Disorders/Injuries                                  |
| 7595        | TUBEROUS SCLEROSIS          | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 7596        | HAMARTOSES NEC              | 10        | Breast, Prostate, Colorectal and Other Cancers and Tumors       |
| 77181       | NB SEPTICEMIA [SEPSIS]      | 2         | Septicemia/Shock  |
| 78031       | FEBRILE CONVULSIONS NOS     | 74        | Seizure Disorders and Convulsions                               |
| 78032       | COMPLX FEBRILE CONVULSNS    | 74        | Seizure Disorders and Convulsions                               |
| 78039       | CONVULSIONS NEC             | 74        | Seizure Disorders and Convulsions                               |
| 78550       | SHOCK NOS                   | 79        | Cardio-Respiratory Failure and Shock                            |
| 78551       | CARDIOGENIC SHOCK           | 79        | Cardio-Respiratory Failure and Shock                            |
| 78552       | SEPTIC SHOCK                | 2         | Septicemia/Shock  |
| 78559       | SHOCK W/O TRAUMA NEC        | 2         | Septicemia/Shock  |
| 7980        | SUDDEN INFANT DEATH SYND    | 79        | Cardio-Respiratory Failure and Shock                            |
| 7981        | INSTANTANEOUS DEATH         | 79        | Cardio-Respiratory Failure and Shock                            |
| 7982        | DEATH WITHIN 24 HR SYMPT    | 79        | Cardio-Respiratory Failure and Shock                            |
| 7989        | UNATTENDED DEATH            | 79        | Cardio-Respiratory Failure and Shock                            |
| 7990        | ASPHYXIA                    | 79        | Cardio-Respiratory Failure and Shock                            |
| 79901       | ASPHYXIA                    | 79        | Cardio-Respiratory Failure and Shock                            |
| 79902       | HYPOXEMIA                   | 79        | Cardio-Respiratory Failure and Shock                            |
| 7992        | NERVOUSNESS                 | 60        | Other Psychiatric Disorders                                     |
| 80600       | C1-C4 FX-CL/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries                                  |
| 80601       | C1-C4 FX-CL/COM CORD LES    | 67        | Quadriplegia, Other Extensive Paralysis                         |
| 80602       | C1-C4 FX-CL/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries                                  |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                         |
|-------------|-----------------------------|-----------|---|
| 80603       | C1-C4 FX-CL/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80604       | C1-C4 FX-CL/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80605       | C5-C7 FX-CL/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80606       | C5-C7 FX-CL/COM CORD LES    | 67        | Quadriplegia, Other Extensive Paralysis |
| 80607       | C5-C7 FX-CL/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80608       | C5-C7 FX-CL/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80609       | C5-C7 FX-CL/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80610       | C1-C4 FX-OP/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80611       | C1-C4 FX-OP/COM CORD LES    | 67        | Quadriplegia, Other Extensive Paralysis |
| 80612       | C1-C4 FX-OP/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80613       | C1-C4 FX-OP/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80614       | C1-C4 FX-OP/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80615       | C5-C7 FX-OP/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80616       | C5-C7 FX-OP/COM CORD LES    | 67        | Quadriplegia, Other Extensive Paralysis |
| 80617       | C5-C7 FX-OP/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80618       | C5-C7 FX-OP/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80619       | C5-C7 FX-OP/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80620       | T1-T6 FX-CL/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80621       | T1-T6 FX-CL/COM CORD LES    | 68        | Paraplegia                              |
| 80622       | T1-T6 FX-CL/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80623       | T1-T6 FX-CL/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80624       | T1-T6 FX-CL/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80625       | T7-T12 FX-CL/CRD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80626       | T7-T12 FX-CL/COM CRD LES    | 68        | Paraplegia                              |
| 80627       | T7-T12 FX-CL/ANT CRD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80628       | T7-T12 FX-CL/CEN CRD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80629       | T7-T12 FX-CL/CRD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80630       | T1-T6 FX-OP/CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80631       | T1-T6 FX-OP/COM CORD LES    | 68        | Paraplegia                              |
| 80632       | T1-T6 FX-OP/ANT CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80633       | T1-T6 FX-OP/CEN CORD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80634       | T1-T6 FX-OP/CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80635       | T7-T12 FX-OP/CRD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80636       | T7-T12 FX-OP/COM CRD LES    | 68        | Paraplegia                              |
| 80637       | T7-T12 FX-OP/ANT CRD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80638       | T7-T12 FX-OP/CEN CRD SYN    | 69        | Spinal Cord Disorders/Injuries          |
| 80639       | T7-T12 FX-OP/CRD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 8064        | CL LUMBAR FX W CORD INJ     | 69        | Spinal Cord Disorders/Injuries          |
| 8065        | OPN LUMBAR FX W CORD INJ    | 69        | Spinal Cord Disorders/Injuries          |
| 80660       | FX SACRUM-CL/CRD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80661       | FX SACR-CL/CAUDA EQU LES    | 69        | Spinal Cord Disorders/Injuries          |
| 80662       | FX SACR-CL/CAUDA INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80669       | FX SACRUM-CL/CRD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80670       | FX SACRUM-OP/CRD INJ NOS    | 69        | Spinal Cord Disorders/Injuries          |
| 80671       | FX SACR-OP/CAUDA EQU LES    | 69        | Spinal Cord Disorders/Injuries          |
| 80672       | FX SACR-OP/CAUDA INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 80679       | FX SACRUM-OP/CRD INJ NEC    | 69        | Spinal Cord Disorders/Injuries          |
| 8068        | VERT FX NOS-CL W CRD INJ    | 69        | Spinal Cord Disorders/Injuries          |
| 8069        | VERT FX NOS-OP W CRD INJ    | 69        | Spinal Cord Disorders/Injuries          |
| 8080        | FRACTURE ACETABULUM-CLOS    | 158       | Hip Fracture/Dislocation                |
| 8081        | FRACTURE ACETABULUM-OPEN    | 158       | Hip Fracture/Dislocation                |
| 8082        | FRACTURE OF PUBIS-CLOSED    | 158       | Hip Fracture/Dislocation                |
| 8083        | FRACTURE OF PUBIS-OPEN      | 158       | Hip Fracture/Dislocation                |
| 80841       | FRACTURE OF ILIUM-CLOSED    | 158       | Hip Fracture/Dislocation                |
| 80842       | FRACTURE ISCHIUM-CLOSED     | 158       | Hip Fracture/Dislocation                |
| 80843       | PELV FX-CLOS/PELV DISRUP    | 158       | Hip Fracture/Dislocation                |
| 80849       | PELVIC FRACTURE NEC-CLOS    | 158       | Hip Fracture/Dislocation                |
| 80851       | FRACTURE OF ILIUM-OPEN      | 158       | Hip Fracture/Dislocation                |
| 80852       | FRACTURE OF ISCHIUM-OPEN    | 158       | Hip Fracture/Dislocation                |
| 80853       | PELV FX-OPEN/PELV DISRUP    | 158       | Hip Fracture/Dislocation                |
| 80859       | PELVIC FRACTURE NEC-OPEN    | 158       | Hip Fracture/Dislocation                |
| 8088        | PELVIC FRACTURE NOS-CLOS    | 158       | Hip Fracture/Dislocation                |
| 8089        | PELVIC FRACTURE NOS-OPEN    | 158       | Hip Fracture/Dislocation                |
| 82000       | FX FEMUR INTRCAPS NOS-CL    | 158       | Hip Fracture/Dislocation                |
| 82001       | FX UP FEMUR EPIPHY-CLOS     | 158       | Hip Fracture/Dislocation                |
| 82002       | FX FEMUR, MIDCERVIC-CLOS    | 158       | Hip Fracture/Dislocation                |
| 82003       | FX BASE FEMORAL NCK-CLOS    | 158       | Hip Fracture/Dislocation                |
| 82009       | FX FEMUR INTRCAPS NEC-CL    | 158       | Hip Fracture/Dislocation                |
| 82010       | FX FEMUR INTRCAP NOS-OPN    | 158       | Hip Fracture/Dislocation                |
| 82011       | FX UP FEMUR EPIPHY-OPEN     | 158       | Hip Fracture/Dislocation                |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| 82012       | FX FEMUR, MIDCERVIC-OPEN    | 158       | Hip Fracture/Dislocation                               |
| 82013       | FX BASE FEMORAL NCK-OPEN    | 158       | Hip Fracture/Dislocation                               |
| 82019       | FX FEMUR INTRCAP NEC-OPN    | 158       | Hip Fracture/Dislocation                               |
| 82020       | TROCHANTERIC FX NOS-CLOS    | 158       | Hip Fracture/Dislocation                               |
| 82021       | INTERTROCHANTERIC FX-CL     | 158       | Hip Fracture/Dislocation                               |
| 82022       | SUBTROCHANTERIC FX-CLOSE    | 158       | Hip Fracture/Dislocation                               |
| 82030       | TROCHANTERIC FX NOS-OPEN    | 158       | Hip Fracture/Dislocation                               |
| 82031       | INTERTROCHANTERIC FX-OPN    | 158       | Hip Fracture/Dislocation                               |
| 82032       | SUBTROCHANTERIC FX-OPEN     | 158       | Hip Fracture/Dislocation                               |
| 8208        | FX NECK OF FEMUR NOS-CL     | 158       | Hip Fracture/Dislocation                               |
| 8209        | FX NECK OF FEMUR NOS-OPN    | 158       | Hip Fracture/Dislocation                               |
| 82100       | FX FEMUR NOS-CLOSED         | 158       | Hip Fracture/Dislocation                               |
| 82101       | FX FEMUR SHAFT-CLOSED       | 158       | Hip Fracture/Dislocation                               |
| 82110       | FX FEMUR NOS-OPEN           | 158       | Hip Fracture/Dislocation                               |
| 82111       | FX FEMUR SHAFT-OPEN         | 158       | Hip Fracture/Dislocation                               |
| 82120       | FX LOW END FEMUR NOS-CL     | 158       | Hip Fracture/Dislocation                               |
| 82121       | FX FEMORAL CONDYLE-CLOSE    | 158       | Hip Fracture/Dislocation                               |
| 82122       | FX LOW FEMUR EPIPHY-CLOS    | 158       | Hip Fracture/Dislocation                               |
| 82123       | SUPRACONDYL FX FEMUR-CL     | 158       | Hip Fracture/Dislocation                               |
| 82129       | FX LOW END FEMUR NEC-CL     | 158       | Hip Fracture/Dislocation                               |
| 82130       | FX LOW END FEMUR NOS-OPN    | 158       | Hip Fracture/Dislocation                               |
| 82131       | FX FEMORAL CONDYLE-OPEN     | 158       | Hip Fracture/Dislocation                               |
| 82132       | FX LOW FEMUR EPIPHY-OPEN    | 158       | Hip Fracture/Dislocation                               |
| 82133       | SUPRACONDYL FX FEMUR-OPN    | 158       | Hip Fracture/Dislocation                               |
| 82139       | FX LOW END FEMUR NEC-OPN    | 158       | Hip Fracture/Dislocation                               |
| 83500       | DISLOCAT HIP NOS-CLOSED     | 158       | Hip Fracture/Dislocation                               |
| 83501       | POSTERIOR DISLOC HIP-CL     | 158       | Hip Fracture/Dislocation                               |
| 83502       | OBTURATOR DISLOC HIP-CL     | 158       | Hip Fracture/Dislocation                               |
| 83503       | ANT DISLOC HIP NEC-CLOS     | 158       | Hip Fracture/Dislocation                               |
| 83510       | DISLOCATION HIP NOS-OPEN    | 158       | Hip Fracture/Dislocation                               |
| 83511       | POSTERIOR DISLOC HIP-OPN    | 158       | Hip Fracture/Dislocation                               |
| 83512       | OBTURATOR DISLOC HIP-OPN    | 158       | Hip Fracture/Dislocation                               |
| 83513       | ANT DISLOC HIP NEC-OPEN     | 158       | Hip Fracture/Dislocation                               |
| 9059        | LATE EFF TRAUMAT AMPUTAT    | 177       | Amputation Status, Lower Limb/Amputation Complications |
| 9072        | LATE EFF SPINAL CORD INJ    | 69        | Spinal Cord Disorders/Injuries                         |
| 95200       | C1-C4 SPIN CORD INJ NOS     | 69        | Spinal Cord Disorders/Injuries                         |
| 95201       | COMPLETE LES CORD/C1-C4     | 67        | Quadriplegia, Other Extensive Paralysis                |
| 95202       | ANTERIOR CORD SYND/C1-C4    | 69        | Spinal Cord Disorders/Injuries                         |
| 95203       | CENTRAL CORD SYND/C1-C4     | 69        | Spinal Cord Disorders/Injuries                         |
| 95204       | C1-C4 SPIN CORD INJ NEC     | 69        | Spinal Cord Disorders/Injuries                         |
| 95205       | C5-C7 SPIN CORD INJ NOS     | 69        | Spinal Cord Disorders/Injuries                         |
| 95206       | COMPLETE LES CORD/C5-C7     | 67        | Quadriplegia, Other Extensive Paralysis                |
| 95207       | ANTERIOR CORD SYND/C5-C7    | 69        | Spinal Cord Disorders/Injuries                         |
| 95208       | CENTRAL CORD SYND/C5-C7     | 69        | Spinal Cord Disorders/Injuries                         |
| 95209       | C5-C7 SPIN CORD INJ NEC     | 69        | Spinal Cord Disorders/Injuries                         |
| 95210       | T1-T6 SPIN CORD INJ NOS     | 69        | Spinal Cord Disorders/Injuries                         |
| 95211       | COMPLETE LES CORD/T1-T6     | 68        | Paraplegia   |
| 95212       | ANTERIOR CORD SYND/T1-T6    | 69        | Spinal Cord Disorders/Injuries                         |
| 95213       | CENTRAL CORD SYND/T1-T6     | 69        | Spinal Cord Disorders/Injuries                         |
| 95214       | T1-T6 SPIN CORD INJ NEC     | 69        | Spinal Cord Disorders/Injuries                         |
| 95215       | T7-T12 SPIN CORD INJ NOS    | 69        | Spinal Cord Disorders/Injuries                         |
| 95216       | COMPLETE LES CORD/T7-T12    | 68        | Paraplegia   |
| 95217       | ANTERIOR CORD SYN/T7-T12    | 69        | Spinal Cord Disorders/Injuries                         |
| 95218       | CENTRAL CORD SYN/T7-T12     | 69        | Spinal Cord Disorders/Injuries                         |
| 95219       | T7-T12 SPIN CORD INJ NEC    | 69        | Spinal Cord Disorders/Injuries                         |
| 9522        | LUMBAR SPINAL CORD INJUR    | 69        | Spinal Cord Disorders/Injuries                         |
| 9523        | SACRAL SPINAL CORD INJUR    | 69        | Spinal Cord Disorders/Injuries                         |
| 9524        | CAUDA EQUINA INJURY         | 69        | Spinal Cord Disorders/Injuries                         |
| 9528        | SPIN CORD INJ-MULT SITE     | 69        | Spinal Cord Disorders/Injuries                         |
| 9529        | SPINAL CORD INJURY NOS      | 69        | Spinal Cord Disorders/Injuries                         |
| 99682       | COMPL LIVER TRANSPLANT      | 174       | Major Organ Transplant Status                          |
| 99683       | COMPL HEART TRANSPLANT      | 174       | Major Organ Transplant Status                          |
| 99684       | COMPL LUNG TRANSPLANT       | 174       | Major Organ Transplant Status                          |
| 99685       | COMPL MARROW TRANSPLANT     | 174       | Major Organ Transplant Status                          |
| 99686       | COMPL PANCREAS TRANSPLNT    | 174       | Major Organ Transplant Status                          |
| 99687       | COMP INTESTINE TRANSPLNT    | 174       | Major Organ Transplant Status                          |
| 99760       | AMPUTAT STUMP COMPL NOS     | 177       | Amputation Status, Lower Limb/Amputation Complications |
| 99761       | NEUROMA AMPUTATION STUMP    | 177       | Amputation Status, Lower Limb/Amputation Complications |
| 99762       | INFECTION AMPUTAT STUMP     | 177       | Amputation Status, Lower Limb/Amputation Complications |
| 99769       | AMPUTAT STUMP COMPL NEC     | 177       | Amputation Status, Lower Limb/Amputation Complications |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>                                   |
|-------------|-----------------------------|-----------|---|
| E9500       | POISON-ANALGESICS           | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9501       | POISON-BARBITURATES         | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9502       | POISON-SEDAT/HYPNOTIC       | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9503       | POISON-PSYCHOTROPIC AGT     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9504       | POISON-DRUG/MEDICIN NEC     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9505       | POISON-DRUG/MEDICIN NOS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9506       | POISON-AGRICULT AGENT       | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9507       | POISON-CORROSIV/CAUSTIC     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9508       | POISON-ARSENIC              | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9509       | POISON-SOLID/LIQUID NEC     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9510       | POISON-PIPED GAS            | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9511       | POISON-GAS IN CONTAINER     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9518       | POISON-UTILITY GAS NEC      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9520       | POISON-EXHAUST GAS          | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9521       | POISON-CO NEC               | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9528       | POISON-GAS/VAPOR NEC        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9529       | POISON-GAS/VAPOR NOS        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9530       | INJURY-HANGING              | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9531       | INJURY-SUFF W PLAS BAG      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9538       | INJURY-STRANG/SUFF NEC      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9539       | INJURY-STRANG/SUFF NOS      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E954        | INJURY-SUBMERSION           | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9550       | INJURY-HANDGUN              | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9551       | INJURY-SHOTGUN              | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9552       | INJURY-HUNTING RIFLE        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9553       | INJURY-MILITARY FIREARM     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9554       | INJURY-FIREARM NEC          | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9555       | INJURY-EXPLOSIVES           | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9556       | SELF INFLICT ACC-AIR GUN    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9557       | SELF INJ-PAINTBALL GUN      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9559       | INJURY-FIREARM/EXPL NOS     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E956        | INJURY-CUT INSTRUMENT       | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9570       | INJURY-JUMP FM RESIDENCE    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9571       | INJURY-JUMP FM STRUC NEC    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9572       | INJURY-JUMP FM NATUR SIT    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9579       | INJURY-JUMP NEC             | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9580       | INJURY-MOVING OBJECT        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9581       | INJURY-BURN, FIRE           | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9582       | INJURY-SCALD                | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9583       | INJURY-EXTREME COLD         | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9584       | INJURY-ELECTROCUTION        | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9585       | INJURY-MOTOR VEH CRASH      | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9586       | INJURY-AIRCRAFT CRASH       | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9587       | INJURY-CAUSTIC SUBSTANCE    | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9588       | INJURY-NEC                  | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E9589       | INJURY-NOS                  | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| E959        | LATE EFF OF SELF-INJURY     | 55        | Major Depressive, Bipolar, and Paranoid Disorders |
| V08         | ASYMP HIV INFECTN STATUS    | 1         | HIV/AIDS  |
| V090        | INF MCRG RSTN PNCLLINS      | 6         | Other Infectious Diseases                         |
| V091        | INF MCRG RSTN B-LACTAM      | 6         | Other Infectious Diseases                         |
| V092        | INF MCRG RSTN MACROLIDES    | 6         | Other Infectious Diseases                         |
| V093        | INF MCRG RSTN TTRCYCLN      | 6         | Other Infectious Diseases                         |
| V094        | INF MCRG RSTN AMNGLCSDS     | 6         | Other Infectious Diseases                         |
| V0950       | INF MCR RST QN FLR NT ML    | 6         | Other Infectious Diseases                         |
| V0951       | INF MCRG RSTN QN FLRQ ML    | 6         | Other Infectious Diseases                         |
| V096        | INF MCRG RSTN SULFNIDES     | 6         | Other Infectious Diseases                         |
| V0970       | INF MCR RST OTH AG NT ML    | 6         | Other Infectious Diseases                         |
| V0971       | INF MCRG RSTN OTH AG MLT    | 6         | Other Infectious Diseases                         |
| V0980       | INF MCR RST OT DRG NT ML    | 6         | Other Infectious Diseases                         |
| V0981       | INF MCRG RSTN OTH DRG ML    | 6         | Other Infectious Diseases                         |
| V0990       | INFC MCRG DRGRST NT MULT    | 6         | Other Infectious Diseases                         |
| V0991       | INFC MCRG DRGRST MULT       | 6         | Other Infectious Diseases                         |
| V421        | HEART TRANSPLANT STATUS     | 174       | Major Organ Transplant Status                     |
| V426        | LUNG TRANSPLANT STATUS      | 174       | Major Organ Transplant Status                     |
| V427        | LIVER TRANSPLANT STATUS     | 174       | Major Organ Transplant Status                     |
| V4281       | TRNSPL STATUS-BNE MARROW    | 174       | Major Organ Transplant Status                     |
| V4282       | TRNSPL STS-PERIP STM CELL   | 174       | Major Organ Transplant Status                     |
| V4283       | TRNSPL STATUS-PANCREAS      | 174       | Major Organ Transplant Status                     |
| V4284       | TRNSPL STATUS-INTESTINES    | 174       | Major Organ Transplant Status                     |
| V4321       | HEART ASSIST DEV REPLACE    | 174       | Major Organ Transplant Status                     |

**The list of ICD-9 codes used for the past year comorbidity adjustment**

| <b>code</b> | <b>ICD_9_CM_short_label</b> | <b>cc</b> | <b>CC_label</b>  |
|-------------|-----------------------------|-----------|--|
| V4322       | ARTIFICIAL HEART REPLACE    | 174       | Major Organ Transplant Status                          |
| V440        | TRACHEOSTOMY STATUS         | 77        | Respirator Dependence/Tracheostomy Status              |
| V461        | DEPENDENCE ON RESPIRATOR    | 77        | Respirator Dependence/Tracheostomy Status              |
| V4611       | RESPIRATOR DEPEND STATUS    | 77        | Respirator Dependence/Tracheostomy Status              |
| V4612       | RESP DEPEND-POWR FAILURE    | 77        | Respirator Dependence/Tracheostomy Status              |
| V4613       | WEANING FROM RESPIRATOR     | 77        | Respirator Dependence/Tracheostomy Status              |
| V4614       | MECH COMP RESPIRATOR        | 77        | Respirator Dependence/Tracheostomy Status              |
| V4960       | STATUS AMPUT UP LMB NOS     | 178       | Amputation Status, Upper Limb                          |
| V4961       | STATUS AMPUT THUMB          | 178       | Amputation Status, Upper Limb                          |
| V4962       | STATUS AMPUT OTH FINGERS    | 178       | Amputation Status, Upper Limb                          |
| V4963       | STATUS AMPUT HAND           | 178       | Amputation Status, Upper Limb                          |
| V4964       | STATUS AMPUT WRIST          | 178       | Amputation Status, Upper Limb                          |
| V4965       | STATUS AMPUT BELOW ELBOW    | 178       | Amputation Status, Upper Limb                          |
| V4966       | STATUS AMPUT ABOVE ELBOW    | 178       | Amputation Status, Upper Limb                          |
| V4967       | STATUS AMPUT SHOULDER       | 178       | Amputation Status, Upper Limb                          |
| V4970       | STATUS AMPUT LWR LMB NOS    | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4971       | STATUS AMPUT GREAT TOE      | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4972       | STATUS AMPUT OTHR TOE(S)    | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4973       | STATUS AMPUT FOOT           | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4974       | STATUS AMPUT ANKLE          | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4975       | STATUS AMPUT BELOW KNEE     | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4976       | STATUS AMPUT ABOVE KNEE     | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V4977       | STATUS AMPUT HIP            | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V520        | FITTING ARTIFICIAL ARM      | 178       | Amputation Status, Upper Limb                          |
| V521        | FITTING ARTIFICIAL LEG      | 177       | Amputation Status, Lower Limb/Amputation Complications |
| V550        | ATTEN TO TRACHEOSTOMY       | 77        | Respirator Dependence/Tracheostomy Status              |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 1           | B20            | B20 Human immunodeficiency virus [HIV] disease   |
| 1           | B9735          | B9735 Human immunodeficiency virus, type 2 [HIV 2] as the cause of diseases classified elsewhere |
| 1           | Z21            | Z21 Asymptomatic human immunodeficiency virus [HIV] infection status                             |
| 2           | A021           | A021 Salmonella sepsis   |
| 2           | A207           | A207 Septicemic plague   |
| 2           | A227           | A227 Anthrax sepsis  |
| 2           | A392           | A392 Acute meningococemia  |
| 2           | A393           | A393 Chronic meningococemia  |
| 2           | A394           | A394 Meningococemia, unspecified   |
| 2           | A400           | A400 Sepsis due to streptococcus, group A  |
| 2           | A401           | A401 Sepsis due to streptococcus, group B  |
| 2           | A403           | A403 Sepsis due to Streptococcus pneumoniae  |
| 2           | A408           | A408 Other streptococcal sepsis  |
| 2           | A409           | A409 Streptococcal sepsis, unspecified   |
| 2           | A4101          | A4101 Sepsis due to Methicillin susceptible Staphylococcus aureus                                |
| 2           | A411           | A411 Sepsis due to other specified staphylococcus  |
| 2           | A412           | A412 Sepsis due to unspecified staphylococcus  |
| 2           | A413           | A413 Sepsis due to Hemophilus influenzae   |
| 2           | A414           | A414 Sepsis due to anaerobes   |
| 2           | A4150          | A4150 Gram-negative sepsis, unspecified  |
| 2           | A4151          | A4151 Sepsis due to Escherichia coli [E. coli]   |
| 2           | A4152          | A4152 Sepsis due to Pseudomonas  |
| 2           | A4153          | A4153 Sepsis due to Serratia   |
| 2           | A4159          | A4159 Other Gram-negative sepsis   |
| 2           | A4181          | A4181 Sepsis due to Enterococcus   |
| 2           | A4189          | A4189 Other specified sepsis   |
| 2           | A419           | A419 Sepsis, unspecified organism  |
| 2           | A427           | A427 Actinomycotic sepsis  |
| 2           | A483           | A483 Toxic shock syndrome  |
| 2           | B007           | B007 Disseminated herpesviral disease  |
| 2           | P360           | P360 Sepsis of newborn due to streptococcus, group B   |
| 2           | P3610          | P3610 Sepsis of newborn due to unspecified streptococci  |
| 2           | P3619          | P3619 Sepsis of newborn due to other streptococci  |
| 2           | P362           | P362 Sepsis of newborn due to Staphylococcus aureus  |
| 2           | P3630          | P3630 Sepsis of newborn due to unspecified staphylococci   |
| 2           | P3639          | P3639 Sepsis of newborn due to other staphylococci   |
| 2           | P364           | P364 Sepsis of newborn due to Escherichia coli   |
| 2           | P365           | P365 Sepsis of newborn due to anaerobes  |
| 2           | P368           | P368 Other bacterial sepsis of newborn   |
| 2           | P369           | P369 Bacterial sepsis of newborn, unspecified  |
| 2           | R571           | R571 Hypovolemic shock   |
| 2           | R578           | R578 Other shock   |
| 2           | R6521          | R6521 Severe sepsis with septic shock  |
| 3           | A0221          | A0221 Salmonella meningitis  |
| 3           | A066           | A066 Amebic brain abscess  |
| 3           | A170           | A170 Tuberculous meningitis  |
| 3           | A171           | A171 Meningeal tuberculoma   |
| 3           | A1781          | A1781 Tuberculoma of brain and spinal cord   |
| 3           | A1782          | A1782 Tuberculous meningoencephalitis  |
| 3           | A1783          | A1783 Tuberculous neuritis   |
| 3           | A1789          | A1789 Other tuberculosis of nervous system   |
| 3           | A179           | A179 Tuberculosis of nervous system, unspecified   |
| 3           | A2781          | A2781 Aseptic meningitis in leptospirosis  |
| 3           | A35            | A35 Other tetanus  |
| 3           | A390           | A390 Meningococcal meningitis  |
| 3           | A3981          | A3981 Meningococcal encephalitis   |
| 3           | A5040          | A5040 Late congenital neurosyphilis, unspecified   |
| 3           | A5041          | A5041 Late congenital syphilitic meningitis  |
| 3           | A5042          | A5042 Late congenital syphilitic encephalitis  |
| 3           | A5043          | A5043 Late congenital syphilitic polyneuropathy  |
| 3           | A5045          | A5045 Juvenile general paresis   |
| 3           | A5049          | A5049 Other late congenital neurosyphilis  |
| 3           | A5141          | A5141 Secondary syphilitic meningitis  |
| 3           | A5210          | A5210 Symptomatic neurosyphilis, unspecified   |
| 3           | A5211          | A5211 Tabes dorsalis   |
| 3           | A5212          | A5212 Other cerebrospinal syphilis   |
| 3           | A5213          | A5213 Late syphilitic meningitis   |
| 3           | A5214          | A5214 Late syphilitic encephalitis   |
| 3           | A5215          | A5215 Late syphilitic neuropathy   |
| 3           | A5216          | A5216 Charcot's arthropathy (tabetic)  |
| 3           | A5217          | A5217 General paresis  |
| 3           | A5219          | A5219 Other symptomatic neurosyphilis  |
| 3           | A522           | A522 Asymptomatic neurosyphilis  |
| 3           | A523           | A523 Neurosyphilis, unspecified  |
| 3           | A5481          | A5481 Gonococcal meningitis  |
| 3           | A800           | A800 Acute paralytic poliomyelitis, vaccine-associated   |
| 3           | A801           | A801 Acute paralytic poliomyelitis, wild virus, imported   |
| 3           | A802           | A802 Acute paralytic poliomyelitis, wild virus, indigenous                                       |
| 3           | A8030          | A8030 Acute paralytic poliomyelitis, unspecified   |
| 3           | A8039          | A8039 Other acute paralytic poliomyelitis  |
| 3           | A804           | A804 Acute nonparalytic poliomyelitis  |
| 3           | A809           | A809 Acute poliomyelitis, unspecified  |
| 3           | A820           | A820 Sylvatic rabies   |
| 3           | A821           | A821 Urban rabies  |
| 3           | A829           | A829 Rabies, unspecified   |
| 3           | A830           | A830 Japanese encephalitis   |
| 3           | A831           | A831 Western equine encephalitis   |
| 3           | A832           | A832 Eastern equine encephalitis   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10</b> | <b>ICD10CM_desc</b>  |
|-------------|----------------|--------------|--|
| 3           | A833           | A833         | St Louis encephalitis  |
| 3           | A834           | A834         | Australian encephalitis  |
| 3           | A835           | A835         | California encephalitis  |
| 3           | A836           | A836         | Rocio virus disease  |
| 3           | A838           | A838         | Other mosquito-borne viral encephalitis  |
| 3           | A839           | A839         | Mosquito-borne viral encephalitis, unspecified   |
| 3           | A840           | A840         | Far Eastern tick-borne encephalitis [Russian spring-summer encephalitis]                   |
| 3           | A841           | A841         | Central European tick-borne encephalitis   |
| 3           | A848           | A848         | Other tick-borne viral encephalitis  |
| 3           | A849           | A849         | Tick-borne viral encephalitis, unspecified   |
| 3           | A850           | A850         | Enteroviral encephalitis   |
| 3           | A851           | A851         | Adenoviral encephalitis  |
| 3           | A852           | A852         | Arthropod-borne viral encephalitis, unspecified  |
| 3           | A858           | A858         | Other specified viral encephalitis   |
| 3           | A86            | A86          | Unspecified viral encephalitis   |
| 3           | A870           | A870         | Enteroviral meningitis   |
| 3           | A871           | A871         | Adenoviral meningitis  |
| 3           | A872           | A872         | Lymphocytic choriomeningitis   |
| 3           | A878           | A878         | Other viral meningitis   |
| 3           | A879           | A879         | Viral meningitis, unspecified  |
| 3           | A880           | A880         | Enteroviral exanthematous fever [Boston exanthem]  |
| 3           | A888           | A888         | Other specified viral infections of central nervous system                                 |
| 3           | A89            | A89          | Unspecified viral infection of central nervous system                                      |
| 3           | A922           | A922         | Venezuelan equine fever  |
| 3           | A9230          | A9230        | West Nile virus infection, unspecified   |
| 3           | A9231          | A9231        | West Nile virus infection with encephalitis  |
| 3           | A9232          | A9232        | West Nile virus infection with other neurologic manifestation                              |
| 3           | A9239          | A9239        | West Nile virus infection with other complications   |
| 3           | B003           | B003         | Herpesviral meningitis   |
| 3           | B004           | B004         | Herpesviral encephalitis   |
| 3           | B0082          | B0082        | Herpes simplex myelitis  |
| 3           | B0111          | B0111        | Varicella encephalitis and encephalomyelitis   |
| 3           | B0112          | B0112        | Varicella myelitis   |
| 3           | B021           | B021         | Zoster meningitis  |
| 3           | B0224          | B0224        | Postherpetic myelitis  |
| 3           | B050           | B050         | Measles complicated by encephalitis  |
| 3           | B0601          | B0601        | Rubella encephalitis   |
| 3           | B1001          | B1001        | Human herpesvirus 6 encephalitis   |
| 3           | B1009          | B1009        | Other human herpesvirus encephalitis   |
| 3           | B261           | B261         | Mumps meningitis   |
| 3           | B262           | B262         | Mumps encephalitis   |
| 3           | B375           | B375         | Candidal meningitis  |
| 3           | B384           | B384         | Coccidioidomycosis meningitis  |
| 3           | B900           | B900         | Sequelae of central nervous system tuberculosis  |
| 3           | B91            | B91          | Sequelae of poliomyelitis  |
| 3           | B941           | B941         | Sequelae of viral encephalitis   |
| 3           | G000           | G000         | Hemophilus meningitis  |
| 3           | G001           | G001         | Pneumococcal meningitis  |
| 3           | G002           | G002         | Streptococcal meningitis   |
| 3           | G003           | G003         | Staphylococcal meningitis  |
| 3           | G008           | G008         | Other bacterial meningitis   |
| 3           | G009           | G009         | Bacterial meningitis, unspecified  |
| 3           | G01            | G01          | Meningitis in bacterial diseases classified elsewhere                                      |
| 3           | G02            | G02          | Meningitis in other infectious and parasitic diseases classified elsewhere                 |
| 3           | G030           | G030         | Nonpyogenic meningitis   |
| 3           | G031           | G031         | Chronic meningitis   |
| 3           | G032           | G032         | Benign recurrent meningitis [Mollaret]   |
| 3           | G038           | G038         | Meningitis due to other specified causes   |
| 3           | G039           | G039         | Meningitis, unspecified  |
| 3           | G0400          | G0400        | Acute disseminated encephalitis and encephalomyelitis, unspecified                         |
| 3           | G0401          | G0401        | Postinfectious acute disseminated encephalitis and encephalomyelitis (postinfectious ADEM) |
| 3           | G0402          | G0402        | Postimmunization acute disseminated encephalitis, myelitis and encephalomyelitis           |
| 3           | G042           | G042         | Bacterial meningoencephalitis and meningomyelitis, not elsewhere classified                |
| 3           | G0430          | G0430        | Acute necrotizing hemorrhagic encephalopathy, unspecified                                  |
| 3           | G0431          | G0431        | Postinfectious acute necrotizing hemorrhagic encephalopathy                                |
| 3           | G0432          | G0432        | Postimmunization acute necrotizing hemorrhagic encephalopathy                              |
| 3           | G0439          | G0439        | Other acute necrotizing hemorrhagic encephalopathy   |
| 3           | G0481          | G0481        | Other encephalitis and encephalomyelitis   |
| 3           | G0489          | G0489        | Other myelitis   |
| 3           | G0490          | G0490        | Encephalitis and encephalomyelitis, unspecified  |
| 3           | G0491          | G0491        | Myelitis, unspecified  |
| 3           | G053           | G053         | Encephalitis and encephalomyelitis in diseases classified elsewhere                        |
| 3           | G054           | G054         | Myelitis in diseases classified elsewhere  |
| 3           | G060           | G060         | Intracranial abscess and granuloma   |
| 3           | G061           | G061         | Intraspinal abscess and granuloma  |
| 3           | G062           | G062         | Extradural and subdural abscess, unspecified   |
| 3           | G07            | G07          | Intracranial and intraspinal abscess and granuloma in diseases classified elsewhere        |
| 3           | G08            | G08          | Intracranial and intraspinal phlebitis and thrombophlebitis                                |
| 3           | G09            | G09          | Sequelae of inflammatory diseases of central nervous system                                |
| 3           | G14            | G14          | Postpolio syndrome   |
| 3           | G373           | G373         | Acute transverse myelitis in demyelinating disease of central nervous system               |
| 3           | G374           | G374         | Subacute necrotizing myelitis of central nervous system                                    |
| 4           | A150           | A150         | Tuberculosis of lung   |
| 4           | A154           | A154         | Tuberculosis of intrathoracic lymph nodes  |
| 4           | A155           | A155         | Tuberculosis of larynx, trachea and bronchus   |
| 4           | A156           | A156         | Tuberculous pleurisy   |
| 4           | A157           | A157         | Primary respiratory tuberculosis   |
| 4           | A158           | A158         | Other respiratory tuberculosis   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10</b> | <b>ICD10CM_desc</b>  |
|-------------|----------------|--------------|--|
| 4           | A159           | A159         | Respiratory tuberculosis unspecified                             |
| 4           | A1783          | A1783        | Tuberculous neuritis   |
| 4           | A179           | A179         | Tuberculosis of nervous system, unspecified                      |
| 4           | A1801          | A1801        | Tuberculosis of spine  |
| 4           | A1802          | A1802        | Tuberculous arthritis of other joints                            |
| 4           | A1803          | A1803        | Tuberculosis of other bones                                      |
| 4           | A1809          | A1809        | Other musculoskeletal tuberculosis                               |
| 4           | A1810          | A1810        | Tuberculosis of genitourinary system, unspecified                |
| 4           | A1811          | A1811        | Tuberculosis of kidney and ureter                                |
| 4           | A1812          | A1812        | Tuberculosis of bladder  |
| 4           | A1813          | A1813        | Tuberculosis of other urinary organs                             |
| 4           | A1814          | A1814        | Tuberculosis of prostate   |
| 4           | A1815          | A1815        | Tuberculosis of other male genital organs                        |
| 4           | A1816          | A1816        | Tuberculosis of cervix   |
| 4           | A1817          | A1817        | Tuberculous female pelvic inflammatory disease                   |
| 4           | A1818          | A1818        | Tuberculosis of other female genital organs                      |
| 4           | A182           | A182         | Tuberculous peripheral lymphadenopathy                           |
| 4           | A1831          | A1831        | Tuberculous peritonitis  |
| 4           | A1832          | A1832        | Tuberculous enteritis  |
| 4           | A1839          | A1839        | Retroperitoneal tuberculosis                                     |
| 4           | A184           | A184         | Tuberculosis of skin and subcutaneous tissue                     |
| 4           | A1850          | A1850        | Tuberculosis of eye, unspecified                                 |
| 4           | A1851          | A1851        | Tuberculous episcleritis   |
| 4           | A1852          | A1852        | Tuberculous keratitis  |
| 4           | A1853          | A1853        | Tuberculous chorioretinitis                                      |
| 4           | A1854          | A1854        | Tuberculous iridocyclitis  |
| 4           | A1859          | A1859        | Other tuberculosis of eye  |
| 4           | A186           | A186         | Tuberculosis of (inner) (middle) ear                             |
| 4           | A187           | A187         | Tuberculosis of adrenal glands                                   |
| 4           | A1881          | A1881        | Tuberculosis of thyroid gland                                    |
| 4           | A1882          | A1882        | Tuberculosis of other endocrine glands                           |
| 4           | A1883          | A1883        | Tuberculosis of digestive tract organs, not elsewhere classified |
| 4           | A1884          | A1884        | Tuberculosis of heart  |
| 4           | A1885          | A1885        | Tuberculosis of spleen   |
| 4           | A1889          | A1889        | Tuberculosis of other sites                                      |
| 4           | A190           | A190         | Acute miliary tuberculosis of a single specified site            |
| 4           | A191           | A191         | Acute miliary tuberculosis of multiple sites                     |
| 4           | A192           | A192         | Acute miliary tuberculosis, unspecified                          |
| 4           | A198           | A198         | Other miliary tuberculosis                                       |
| 4           | A199           | A199         | Miliary tuberculosis, unspecified                                |
| 5           | A072           | A072         | Cryptosporidiosis  |
| 5           | A310           | A310         | Pulmonary mycobacterial infection                                |
| 5           | A312           | A312         | Disseminated mycobacterium avium-intracellulare complex (DMAC)   |
| 5           | B250           | B250         | Cytomegaloviral pneumonitis                                      |
| 5           | B251           | B251         | Cytomegaloviral hepatitis  |
| 5           | B252           | B252         | Cytomegaloviral pancreatitis                                     |
| 5           | B258           | B258         | Other cytomegaloviral diseases                                   |
| 5           | B259           | B259         | Cytomegaloviral disease, unspecified                             |
| 5           | B371           | B371         | Pulmonary candidiasis  |
| 5           | B377           | B377         | Candidal sepsis  |
| 5           | B3781          | B3781        | Candidal esophagitis   |
| 5           | B440           | B440         | Invasive pulmonary aspergillosis                                 |
| 5           | B441           | B441         | Other pulmonary aspergillosis                                    |
| 5           | B442           | B442         | Tonsillar aspergillosis  |
| 5           | B447           | B447         | Disseminated aspergillosis                                       |
| 5           | B4489          | B4489        | Other forms of aspergillosis                                     |
| 5           | B449           | B449         | Aspergillosis, unspecified                                       |
| 5           | B450           | B450         | Pulmonary cryptococcosis   |
| 5           | B451           | B451         | Cerebral cryptococcosis  |
| 5           | B452           | B452         | Cutaneous cryptococcosis   |
| 5           | B453           | B453         | Osseous cryptococcosis   |
| 5           | B457           | B457         | Disseminated cryptococcosis                                      |
| 5           | B458           | B458         | Other forms of cryptococcosis                                    |
| 5           | B459           | B459         | Cryptococcosis, unspecified                                      |
| 5           | B460           | B460         | Pulmonary mucormycosis   |
| 5           | B461           | B461         | Rhinocerebral mucormycosis                                       |
| 5           | B462           | B462         | Gastrointestinal mucormycosis                                    |
| 5           | B463           | B463         | Cutaneous mucormycosis   |
| 5           | B464           | B464         | Disseminated mucormycosis  |
| 5           | B465           | B465         | Mucormycosis, unspecified  |
| 5           | B468           | B468         | Other zygomycoses  |
| 5           | B469           | B469         | Zygomycosis, unspecified   |
| 5           | B484           | B484         | Penicilliosis  |
| 5           | B582           | B582         | Toxoplasma meningoenkephalitis                                   |
| 5           | B5889          | B5889        | Toxoplasmosis with other organ involvement                       |
| 5           | B59            | B59          | Pneumocystosis   |
| 6           | A000           | A000         | Cholera due to Vibrio cholerae 01, biovar cholerae               |
| 6           | A001           | A001         | Cholera due to Vibrio cholerae 01, biovar eltor                  |
| 6           | A009           | A009         | Cholera, unspecified   |
| 6           | A0100          | A0100        | Typhoid fever, unspecified                                       |
| 6           | A0101          | A0101        | Typhoid meningitis   |
| 6           | A0102          | A0102        | Typhoid fever with heart involvement                             |
| 6           | A0103          | A0103        | Typhoid pneumonia  |
| 6           | A0104          | A0104        | Typhoid arthritis  |
| 6           | A0105          | A0105        | Typhoid osteomyelitis  |
| 6           | A0109          | A0109        | Typhoid fever with other complications                           |
| 6           | A011           | A011         | Paratyphoid fever A  |
| 6           | A012           | A012         | Paratyphoid fever B  |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10</b> | <b>ICD10CM_desc</b>   |
|-------------|----------------|--------------|---|
| 6           | A013           | A013         | Paratyphoid fever C   |
| 6           | A014           | A014         | Paratyphoid fever, unspecified  |
| 6           | A050           | A050         | Foodborne staphylococcal intoxication                                 |
| 6           | A051           | A051         | Botulism food poisoning   |
| 6           | A052           | A052         | Foodborne Clostridium perfringens [Clostridium welchii] intoxication  |
| 6           | A053           | A053         | Foodborne Vibrio parahaemolyticus intoxication                        |
| 6           | A054           | A054         | Foodborne Bacillus cereus intoxication                                |
| 6           | A055           | A055         | Foodborne Vibrio vulnificus intoxication                              |
| 6           | A058           | A058         | Other specified bacterial foodborne intoxications                     |
| 6           | A059           | A059         | Bacterial foodborne intoxication, unspecified                         |
| 6           | A060           | A060         | Acute amebic dysentery  |
| 6           | A061           | A061         | Chronic intestinal amebiasis  |
| 6           | A062           | A062         | Amebic nondysenteric colitis  |
| 6           | A063           | A063         | Ameboma of intestine  |
| 6           | A0681          | A0681        | Amebic cystitis   |
| 6           | A0682          | A0682        | Other amebic genitourinary infections                                 |
| 6           | A0689          | A0689        | Other amebic infections   |
| 6           | A069           | A069         | Amebiasis, unspecified  |
| 6           | A070           | A070         | Balantidiasis   |
| 6           | A071           | A071         | Giardiasis [lambliaosis]  |
| 6           | A073           | A073         | Isosporiasis  |
| 6           | A074           | A074         | Cyclosporiasis  |
| 6           | A078           | A078         | Other specified protozoal intestinal diseases                         |
| 6           | A079           | A079         | Protozoal intestinal disease, unspecified                             |
| 6           | A080           | A080         | Rotaviral enteritis   |
| 6           | A0811          | A0811        | Acute gastroenteropathy due to Norwalk agent                          |
| 6           | A0819          | A0819        | Acute gastroenteropathy due to other small round viruses              |
| 6           | A082           | A082         | Adenoviral enteritis  |
| 6           | A0831          | A0831        | Calicivirus enteritis   |
| 6           | A0832          | A0832        | Astrovirus enteritis  |
| 6           | A0839          | A0839        | Other viral enteritis   |
| 6           | A084           | A084         | Viral intestinal infection, unspecified                               |
| 6           | A088           | A088         | Other specified intestinal infections                                 |
| 6           | A09            | A09          | Infectious gastroenteritis and colitis, unspecified                   |
| 6           | A200           | A200         | Bubonic plague  |
| 6           | A203           | A203         | Plague meningitis   |
| 6           | A208           | A208         | Other forms of plague   |
| 6           | A209           | A209         | Plague, unspecified   |
| 6           | A210           | A210         | Ulceroglandular tularemia   |
| 6           | A211           | A211         | Oculoglandular tularemia  |
| 6           | A213           | A213         | Gastrointestinal tularemia  |
| 6           | A217           | A217         | Generalized tularemia   |
| 6           | A218           | A218         | Other forms of tularemia  |
| 6           | A219           | A219         | Tularemia, unspecified  |
| 6           | A222           | A222         | Gastrointestinal anthrax  |
| 6           | A228           | A228         | Other forms of anthrax  |
| 6           | A229           | A229         | Anthrax, unspecified  |
| 6           | A230           | A230         | Brucellosis due to Brucella melitensis                                |
| 6           | A231           | A231         | Brucellosis due to Brucella abortus                                   |
| 6           | A232           | A232         | Brucellosis due to Brucella suis                                      |
| 6           | A233           | A233         | Brucellosis due to Brucella canis                                     |
| 6           | A238           | A238         | Other brucellosis   |
| 6           | A239           | A239         | Brucellosis, unspecified  |
| 6           | A240           | A240         | Glanders  |
| 6           | A241           | A241         | Acute and fulminating melioidosis                                     |
| 6           | A242           | A242         | Subacute and chronic melioidosis                                      |
| 6           | A243           | A243         | Other melioidosis   |
| 6           | A249           | A249         | Melioidosis, unspecified  |
| 6           | A250           | A250         | Spirillosis   |
| 6           | A251           | A251         | Streptobacillosis   |
| 6           | A259           | A259         | Rat-bite fever, unspecified   |
| 6           | A260           | A260         | Cutaneous erysipeloid   |
| 6           | A267           | A267         | Erysipelothrix sepsis   |
| 6           | A268           | A268         | Other forms of erysipeloid  |
| 6           | A269           | A269         | Erysipeloid, unspecified  |
| 6           | A270           | A270         | Leptospirosis icterohemorrhagica                                      |
| 6           | A2789          | A2789        | Other forms of leptospirosis  |
| 6           | A279           | A279         | Leptospirosis, unspecified  |
| 6           | A280           | A280         | Pasteurellosis  |
| 6           | A281           | A281         | Cat-scratch disease   |
| 6           | A282           | A282         | Extraintestinal yersiniosis   |
| 6           | A288           | A288         | Other specified zoonotic bacterial diseases, not elsewhere classified |
| 6           | A289           | A289         | Zoonotic bacterial disease, unspecified                               |
| 6           | A300           | A300         | Indeterminate leprosy   |
| 6           | A301           | A301         | Tuberculoid leprosy   |
| 6           | A302           | A302         | Borderline tuberculoid leprosy  |
| 6           | A303           | A303         | Borderline leprosy  |
| 6           | A304           | A304         | Borderline lepromatous leprosy  |
| 6           | A305           | A305         | Lepromatous leprosy   |
| 6           | A308           | A308         | Other forms of leprosy  |
| 6           | A309           | A309         | Leprosy, unspecified  |
| 6           | A318           | A318         | Other mycobacterial infections  |
| 6           | A319           | A319         | Mycobacterial infection, unspecified                                  |
| 6           | A320           | A320         | Cutaneous listeriosis   |
| 6           | A3211          | A3211        | Listerial meningitis  |
| 6           | A3212          | A3212        | Listerial meningoenzephalitis   |
| 6           | A327           | A327         | Listerial sepsis  |
| 6           | A3281          | A3281        | Oculoglandular listeriosis  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>   |
|-------------|----------------|---|
| 6           | A3282          | A3282 Listerial endocarditis  |
| 6           | A3289          | A3289 Other forms of listeriosis  |
| 6           | A329           | A329 Listeriosis, unspecified   |
| 6           | A360           | A360 Pharyngeal diphtheria  |
| 6           | A361           | A361 Nasopharyngeal diphtheria  |
| 6           | A362           | A362 Laryngeal diphtheria   |
| 6           | A3682          | A3682 Diphtheritic radiculomyelitis   |
| 6           | A3683          | A3683 Diphtheritic polyneuritis   |
| 6           | A3684          | A3684 Diphtheritic tubulo-interstitial nephropathy                              |
| 6           | A3686          | A3686 Diphtheritic conjunctivitis   |
| 6           | A3689          | A3689 Other diphtheritic complications  |
| 6           | A369           | A369 Diphtheria, unspecified  |
| 6           | A3700          | A3700 Whooping cough due to Bordetella pertussis without pneumonia              |
| 6           | A3701          | A3701 Whooping cough due to Bordetella pertussis with pneumonia                 |
| 6           | A3710          | A3710 Whooping cough due to Bordetella parapertussis without pneumonia          |
| 6           | A3711          | A3711 Whooping cough due to Bordetella parapertussis with pneumonia             |
| 6           | A3780          | A3780 Whooping cough due to other Bordetella species without pneumonia          |
| 6           | A3781          | A3781 Whooping cough due to other Bordetella species with pneumonia             |
| 6           | A3790          | A3790 Whooping cough, unspecified species without pneumonia                     |
| 6           | A3791          | A3791 Whooping cough, unspecified species with pneumonia                        |
| 6           | A380           | A380 Scarlet fever with otitis media  |
| 6           | A381           | A381 Scarlet fever with myocarditis   |
| 6           | A388           | A388 Scarlet fever with other complications                                     |
| 6           | A389           | A389 Scarlet fever, uncomplicated   |
| 6           | A3989          | A3989 Other meningococcal infections  |
| 6           | A399           | A399 Meningococcal infection, unspecified                                       |
| 6           | A421           | A421 Abdominal actinomycosis  |
| 6           | A422           | A422 Cervicofacial actinomycosis  |
| 6           | A4281          | A4281 Actinomycotic meningitis  |
| 6           | A4282          | A4282 Actinomycotic encephalitis  |
| 6           | A4289          | A4289 Other forms of actinomycosis  |
| 6           | A429           | A429 Actinomycosis, unspecified   |
| 6           | A438           | A438 Other forms of nocardiosis   |
| 6           | A439           | A439 Nocardiosis, unspecified   |
| 6           | A440           | A440 Systemic bartonellosis   |
| 6           | A441           | A441 Cutaneous and mucocutaneous bartonellosis                                  |
| 6           | A448           | A448 Other forms of bartonellosis   |
| 6           | A449           | A449 Bartonellosis, unspecified   |
| 6           | A482           | A482 Nonpneumonic Legionnaires' disease [Pontiac fever]                         |
| 6           | A484           | A484 Brazilian purpuric fever   |
| 6           | A4851          | A4851 Infant botulism   |
| 6           | A4852          | A4852 Wound botulism  |
| 6           | A488           | A488 Other specified bacterial diseases   |
| 6           | A4901          | A4901 Methicillin susceptible Staphylococcus aureus infection, unspecified site |
| 6           | A491           | A491 Streptococcal infection, unspecified site                                  |
| 6           | A492           | A492 Hemophilus influenzae infection, unspecified site                          |
| 6           | A493           | A493 Mycoplasma infection, unspecified site                                     |
| 6           | A498           | A498 Other bacterial infections of unspecified site                             |
| 6           | A499           | A499 Bacterial infection, unspecified   |
| 6           | A5030          | A5030 Late congenital syphilitic oculopathy, unspecified                        |
| 6           | A5031          | A5031 Late congenital syphilitic interstitial keratitis                         |
| 6           | A5032          | A5032 Late congenital syphilitic chorioretinitis                                |
| 6           | A5039          | A5039 Other late congenital syphilitic oculopathy                               |
| 6           | A5044          | A5044 Late congenital syphilitic optic nerve atrophy                            |
| 6           | A5051          | A5051 Clutton's joints  |
| 6           | A5052          | A5052 Hutchinson's teeth  |
| 6           | A5053          | A5053 Hutchinson's triad  |
| 6           | A5054          | A5054 Late congenital cardiovascular syphilis                                   |
| 6           | A5055          | A5055 Late congenital syphilitic arthropathy                                    |
| 6           | A5056          | A5056 Late congenital syphilitic osteochondropathy                              |
| 6           | A5057          | A5057 Syphilitic saddle nose  |
| 6           | A5059          | A5059 Other late congenital syphilis, symptomatic                               |
| 6           | A506           | A506 Late congenital syphilis, latent   |
| 6           | A507           | A507 Late congenital syphilis, unspecified                                      |
| 6           | A509           | A509 Congenital syphilis, unspecified   |
| 6           | A510           | A510 Primary genital syphilis   |
| 6           | A511           | A511 Primary anal syphilis  |
| 6           | A512           | A512 Primary syphilis of other sites  |
| 6           | A5131          | A5131 Condyloma latum   |
| 6           | A5132          | A5132 Syphilitic alopecia   |
| 6           | A5139          | A5139 Other secondary syphilis of skin  |
| 6           | A5142          | A5142 Secondary syphilitic female pelvic disease                                |
| 6           | A5143          | A5143 Secondary syphilitic oculopathy   |
| 6           | A5144          | A5144 Secondary syphilitic nephritis  |
| 6           | A5146          | A5146 Secondary syphilitic osteopathy   |
| 6           | A5149          | A5149 Other secondary syphilitic conditions                                     |
| 6           | A515           | A515 Early syphilis, latent   |
| 6           | A519           | A519 Early syphilis, unspecified  |
| 6           | A5271          | A5271 Late syphilitic oculopathy  |
| 6           | A5272          | A5272 Syphilis of lung and bronchus   |
| 6           | A5273          | A5273 Symptomatic late syphilis of other respiratory organs                     |
| 6           | A5274          | A5274 Syphilis of liver and other viscera                                       |
| 6           | A5275          | A5275 Syphilis of kidney and ureter   |
| 6           | A5276          | A5276 Other genitourinary symptomatic late syphilis                             |
| 6           | A5277          | A5277 Syphilis of bone and joint  |
| 6           | A5278          | A5278 Syphilis of other musculoskeletal tissue                                  |
| 6           | A5279          | A5279 Other symptomatic late syphilis   |
| 6           | A528           | A528 Late syphilis, latent  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10</b> | <b>ICD10CM_desc</b>   |
|-------------|----------------|--------------|---|
| 6           | A529           | A529         | Late syphilis, unspecified  |
| 6           | A530           | A530         | Latent syphilis, unspecified as early or late   |
| 6           | A539           | A539         | Syphilis, unspecified   |
| 6           | A5400          | A5400        | Gonococcal infection of lower genitourinary tract, unspecified                                  |
| 6           | A5401          | A5401        | Gonococcal cystitis and urethritis, unspecified   |
| 6           | A5402          | A5402        | Gonococcal vulvovaginitis, unspecified  |
| 6           | A5403          | A5403        | Gonococcal cervicitis, unspecified  |
| 6           | A5409          | A5409        | Other gonococcal infection of lower genitourinary tract   |
| 6           | A541           | A541         | Gonococcal infection of lower genitourinary tract with periurethral and accessory gland abscess |
| 6           | A5421          | A5421        | Gonococcal infection of kidney and ureter   |
| 6           | A5422          | A5422        | Gonococcal prostatitis  |
| 6           | A5423          | A5423        | Gonococcal infection of other male genital organs   |
| 6           | A5424          | A5424        | Gonococcal female pelvic inflammatory disease   |
| 6           | A5429          | A5429        | Other gonococcal genitourinary infections   |
| 6           | A5430          | A5430        | Gonococcal infection of eye, unspecified  |
| 6           | A5431          | A5431        | Gonococcal conjunctivitis   |
| 6           | A5433          | A5433        | Gonococcal keratitis  |
| 6           | A5439          | A5439        | Other gonococcal eye infection  |
| 6           | A545           | A545         | Gonococcal pharyngitis  |
| 6           | A546           | A546         | Gonococcal infection of anus and rectum   |
| 6           | A5482          | A5482        | Gonococcal brain abscess  |
| 6           | A5483          | A5483        | Gonococcal heart infection  |
| 6           | A5484          | A5484        | Gonococcal pneumonia  |
| 6           | A5486          | A5486        | Gonococcal sepsis   |
| 6           | A5489          | A5489        | Other gonococcal infections   |
| 6           | A549           | A549         | Gonococcal infection, unspecified   |
| 6           | A55            | A55          | Chlamydial lymphogranuloma (venereum)   |
| 6           | A5600          | A5600        | Chlamydial infection of lower genitourinary tract, unspecified                                  |
| 6           | A5601          | A5601        | Chlamydial cystitis and urethritis  |
| 6           | A5602          | A5602        | Chlamydial vulvovaginitis   |
| 6           | A5609          | A5609        | Other chlamydial infection of lower genitourinary tract   |
| 6           | A5611          | A5611        | Chlamydial female pelvic inflammatory disease   |
| 6           | A5619          | A5619        | Other chlamydial genitourinary infection  |
| 6           | A562           | A562         | Chlamydial infection of genitourinary tract, unspecified  |
| 6           | A563           | A563         | Chlamydial infection of anus and rectum   |
| 6           | A564           | A564         | Chlamydial infection of pharynx   |
| 6           | A568           | A568         | Sexually transmitted chlamydial infection of other sites  |
| 6           | A57            | A57          | Chancroid   |
| 6           | A58            | A58          | Granuloma inguinale   |
| 6           | A6000          | A6000        | Herpesviral infection of urogenital system, unspecified   |
| 6           | A6001          | A6001        | Herpesviral infection of penis  |
| 6           | A6002          | A6002        | Herpesviral infection of other male genital organs  |
| 6           | A6003          | A6003        | Herpesviral cervicitis  |
| 6           | A6004          | A6004        | Herpesviral vulvovaginitis  |
| 6           | A6009          | A6009        | Herpesviral infection of other urogenital tract   |
| 6           | A601           | A601         | Herpesviral infection of perianal skin and rectum   |
| 6           | A609           | A609         | Anogenital herpesviral infection, unspecified   |
| 6           | A630           | A630         | Anogenital (venereal) warts   |
| 6           | A638           | A638         | Other specified predominantly sexually transmitted diseases                                     |
| 6           | A64            | A64          | Unspecified sexually transmitted disease  |
| 6           | A65            | A65          | Nonvenereal syphilis  |
| 6           | A660           | A660         | Initial lesions of yaws   |
| 6           | A661           | A661         | Multiple papillomata and wet crab yaws  |
| 6           | A662           | A662         | Other early skin lesions of yaws  |
| 6           | A663           | A663         | Hyperkeratosis of yaws  |
| 6           | A664           | A664         | Gummata and ulcers of yaws  |
| 6           | A665           | A665         | Gangosa   |
| 6           | A667           | A667         | Other manifestations of yaws  |
| 6           | A668           | A668         | Latent yaws   |
| 6           | A669           | A669         | Yaws, unspecified   |
| 6           | A670           | A670         | Primary lesions of pinta  |
| 6           | A671           | A671         | Intermediate lesions of pinta   |
| 6           | A672           | A672         | Late lesions of pinta   |
| 6           | A673           | A673         | Mixed lesions of pinta  |
| 6           | A679           | A679         | Pinta, unspecified  |
| 6           | A680           | A680         | Louse-borne relapsing fever   |
| 6           | A681           | A681         | Tick-borne relapsing fever  |
| 6           | A689           | A689         | Relapsing fever, unspecified  |
| 6           | A690           | A690         | Necrotizing ulcerative stomatitis   |
| 6           | A691           | A691         | Other Vincent's infections  |
| 6           | A6920          | A6920        | Lyme disease, unspecified   |
| 6           | A6921          | A6921        | Meningitis due to Lyme disease  |
| 6           | A6922          | A6922        | Other neurologic disorders in Lyme disease  |
| 6           | A6923          | A6923        | Arthritis due to Lyme disease   |
| 6           | A6929          | A6929        | Other conditions associated with Lyme disease   |
| 6           | A698           | A698         | Other specified spirochetal infections  |
| 6           | A699           | A699         | Spirochetal infection, unspecified  |
| 6           | A70            | A70          | Chlamydia psittaci infections   |
| 6           | A710           | A710         | Initial stage of trachoma   |
| 6           | A711           | A711         | Active stage of trachoma  |
| 6           | A719           | A719         | Trachoma, unspecified   |
| 6           | A740           | A740         | Chlamydial conjunctivitis   |
| 6           | A7481          | A7481        | Chlamydial peritonitis  |
| 6           | A7489          | A7489        | Other chlamydial diseases   |
| 6           | A749           | A749         | Chlamydial infection, unspecified   |
| 6           | A750           | A750         | Epidemic louse-borne typhus fever due to Rickettsia prowazekii                                  |
| 6           | A751           | A751         | Recrudescent typhus [Brill's disease]   |
| 6           | A752           | A752         | Typhus fever due to Rickettsia typhi  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10 | ICD10CM_desc   |
|------|---------|-------|--|
| 6    | A753    | A753  | Typhus fever due to Rickettsia tsutsugamushi                 |
| 6    | A759    | A759  | Typhus fever, unspecified                                    |
| 6    | A770    | A770  | Spotted fever due to Rickettsia rickettsii                   |
| 6    | A771    | A771  | Spotted fever due to Rickettsia conorii                      |
| 6    | A772    | A772  | Spotted fever due to Rickettsia siberica                     |
| 6    | A773    | A773  | Spotted fever due to Rickettsia australis                    |
| 6    | A7740   | A7740 | Ehrlichiosis, unspecified                                    |
| 6    | A7741   | A7741 | Ehrlichiosis chafeensis [E. chafeensis]                      |
| 6    | A7749   | A7749 | Other ehrlichiosis   |
| 6    | A778    | A778  | Other spotted fevers   |
| 6    | A779    | A779  | Spotted fever, unspecified                                   |
| 6    | A78     | A78   | Q fever  |
| 6    | A790    | A790  | Trench fever   |
| 6    | A791    | A791  | Rickettsialpox due to Rickettsia akari                       |
| 6    | A7981   | A7981 | Rickettsiosis due to Ehrlichia sennetsu                      |
| 6    | A7989   | A7989 | Other specified rickettsioses                                |
| 6    | A799    | A799  | Rickettsiosis, unspecified                                   |
| 6    | A881    | A881  | Epidemic vertigo   |
| 6    | A90     | A90   | Dengue fever [classical dengue]                              |
| 6    | A91     | A91   | Dengue hemorrhagic fever                                     |
| 6    | A920    | A920  | Chikungunya virus disease                                    |
| 6    | A921    | A921  | O'nyong-nyong fever  |
| 6    | A924    | A924  | Rift Valley fever  |
| 6    | A928    | A928  | Other specified mosquito-borne viral fevers                  |
| 6    | A929    | A929  | Mosquito-borne viral fever, unspecified                      |
| 6    | A930    | A930  | Oropouche virus disease                                      |
| 6    | A931    | A931  | Sandfly fever  |
| 6    | A932    | A932  | Colorado tick fever  |
| 6    | A938    | A938  | Other specified arthropod-borne viral fevers                 |
| 6    | A94     | A94   | Unspecified arthropod-borne viral fever                      |
| 6    | A950    | A950  | Sylvatic yellow fever  |
| 6    | A951    | A951  | Urban yellow fever   |
| 6    | A959    | A959  | Yellow fever, unspecified                                    |
| 6    | A960    | A960  | Junin hemorrhagic fever                                      |
| 6    | A961    | A961  | Machupo hemorrhagic fever                                    |
| 6    | A962    | A962  | Lassa fever  |
| 6    | A968    | A968  | Other arenaviral hemorrhagic fevers                          |
| 6    | A969    | A969  | Arenaviral hemorrhagic fever, unspecified                    |
| 6    | A980    | A980  | Crimean-Congo hemorrhagic fever                              |
| 6    | A981    | A981  | Omsk hemorrhagic fever                                       |
| 6    | A982    | A982  | Kyasanur Forest disease                                      |
| 6    | A983    | A983  | Marburg virus disease  |
| 6    | A984    | A984  | Ebola virus disease  |
| 6    | A988    | A988  | Other specified viral hemorrhagic fevers                     |
| 6    | A99     | A99   | Unspecified viral hemorrhagic fever                          |
| 6    | B000    | B000  | Eczema herpeticum  |
| 6    | B001    | B001  | Herpesviral vesicular dermatitis                             |
| 6    | B002    | B002  | Herpesviral gingivostomatitis and pharyngotonsillitis        |
| 6    | B0050   | B0050 | Herpesviral ocular disease, unspecified                      |
| 6    | B0052   | B0052 | Herpesviral keratitis  |
| 6    | B0053   | B0053 | Herpesviral conjunctivitis                                   |
| 6    | B0059   | B0059 | Other herpesviral disease of eye                             |
| 6    | B0081   | B0081 | Herpesviral hepatitis  |
| 6    | B0089   | B0089 | Other herpesviral infection                                  |
| 6    | B009    | B009  | Herpesviral infection, unspecified                           |
| 6    | B010    | B010  | Varicella meningitis   |
| 6    | B0181   | B0181 | Varicella keratitis  |
| 6    | B0189   | B0189 | Other varicella complications                                |
| 6    | B019    | B019  | Varicella without complication                               |
| 6    | B0230   | B0230 | Zoster ocular disease, unspecified                           |
| 6    | B0231   | B0231 | Zoster conjunctivitis  |
| 6    | B0233   | B0233 | Zoster keratitis   |
| 6    | B0234   | B0234 | Zoster scleritis   |
| 6    | B0239   | B0239 | Other herpes zoster eye disease                              |
| 6    | B027    | B027  | Disseminated zoster  |
| 6    | B028    | B028  | Zoster with other complications                              |
| 6    | B029    | B029  | Zoster without complications                                 |
| 6    | B03     | B03   | Smallpox   |
| 6    | B051    | B051  | Measles complicated by meningitis                            |
| 6    | B053    | B053  | Measles complicated by otitis media                          |
| 6    | B054    | B054  | Measles with intestinal complications                        |
| 6    | B0581   | B0581 | Measles keratitis and keratoconjunctivitis                   |
| 6    | B0589   | B0589 | Other measles complications                                  |
| 6    | B059    | B059  | Measles without complication                                 |
| 6    | B0600   | B0600 | Rubella with neurological complication, unspecified          |
| 6    | B0602   | B0602 | Rubella meningitis   |
| 6    | B0609   | B0609 | Other neurological complications of rubella                  |
| 6    | B0681   | B0681 | Rubella pneumonia  |
| 6    | B0689   | B0689 | Other rubella complications                                  |
| 6    | B069    | B069  | Rubella without complication                                 |
| 6    | B078    | B078  | Other viral warts  |
| 6    | B079    | B079  | Viral wart, unspecified                                      |
| 6    | B0802   | B0802 | Orf virus disease  |
| 6    | B0803   | B0803 | Pseudocowpox [milker's node]                                 |
| 6    | B0804   | B0804 | Paravaccinia, unspecified                                    |
| 6    | B081    | B081  | Molluscum contagiosum  |
| 6    | B0820   | B0820 | Exanthema subitum [sixth disease], unspecified               |
| 6    | B0821   | B0821 | Exanthema subitum [sixth disease] due to human herpesvirus 6 |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10 | ICD10CM_desc   |
|------|---------|-------|--|
| 6    | B0822   | B0822 | Exanthema subitum [sixth disease] due to human herpesvirus 7                       |
| 6    | B083    | B083  | Erythema infectiosum [fifth disease]   |
| 6    | B084    | B084  | Enteroviral vesicular stomatitis with exanthem                                     |
| 6    | B085    | B085  | Enteroviral vesicular pharyngitis  |
| 6    | B088    | B088  | Other specified viral infections characterized by skin and mucous membrane lesions |
| 6    | B09     | B09   | Unspecified viral infection characterized by skin and mucous membrane lesions      |
| 6    | B1081   | B1081 | Human herpesvirus 6 infection  |
| 6    | B1082   | B1082 | Human herpesvirus 7 infection  |
| 6    | B1089   | B1089 | Other human herpesvirus infection  |
| 6    | B159    | B159  | Hepatitis A without hepatic coma   |
| 6    | B179    | B179  | Acute viral hepatitis, unspecified   |
| 6    | B199    | B199  | Unspecified viral hepatitis without hepatic coma                                   |
| 6    | B251    | B251  | Cytomegaloviral hepatitis  |
| 6    | B260    | B260  | Mumps orchitis   |
| 6    | B2681   | B2681 | Mumps hepatitis  |
| 6    | B2682   | B2682 | Mumps myocarditis  |
| 6    | B2683   | B2683 | Mumps nephritis  |
| 6    | B2684   | B2684 | Mumps polyneuropathy   |
| 6    | B2685   | B2685 | Mumps arthritis  |
| 6    | B2689   | B2689 | Other mumps complications  |
| 6    | B269    | B269  | Mumps without complication   |
| 6    | B2700   | B2700 | Gammaherpesviral mononucleosis without complication                                |
| 6    | B2701   | B2701 | Gammaherpesviral mononucleosis with polyneuropathy                                 |
| 6    | B2702   | B2702 | Gammaherpesviral mononucleosis with meningitis                                     |
| 6    | B2709   | B2709 | Gammaherpesviral mononucleosis with other complications                            |
| 6    | B2710   | B2710 | Cytomegaloviral mononucleosis without complications                                |
| 6    | B2711   | B2711 | Cytomegaloviral mononucleosis with polyneuropathy                                  |
| 6    | B2712   | B2712 | Cytomegaloviral mononucleosis with meningitis                                      |
| 6    | B2719   | B2719 | Cytomegaloviral mononucleosis with other complication                              |
| 6    | B2780   | B2780 | Other infectious mononucleosis without complication                                |
| 6    | B2781   | B2781 | Other infectious mononucleosis with polyneuropathy                                 |
| 6    | B2782   | B2782 | Other infectious mononucleosis with meningitis                                     |
| 6    | B2789   | B2789 | Other infectious mononucleosis with other complication                             |
| 6    | B2790   | B2790 | Infectious mononucleosis, unspecified without complication                         |
| 6    | B2791   | B2791 | Infectious mononucleosis, unspecified with polyneuropathy                          |
| 6    | B2792   | B2792 | Infectious mononucleosis, unspecified with meningitis                              |
| 6    | B2799   | B2799 | Infectious mononucleosis, unspecified with other complication                      |
| 6    | B300    | B300  | Keratoconjunctivitis due to adenovirus   |
| 6    | B301    | B301  | Conjunctivitis due to adenovirus   |
| 6    | B302    | B302  | Viral pharyngoconjunctivitis   |
| 6    | B303    | B303  | Acute epidemic hemorrhagic conjunctivitis (enteroviral)                            |
| 6    | B308    | B308  | Other viral conjunctivitis   |
| 6    | B309    | B309  | Viral conjunctivitis, unspecified  |
| 6    | B330    | B330  | Epidemic myalgia   |
| 6    | B331    | B331  | Ross River disease   |
| 6    | B3324   | B3324 | Viral cardiomyopathy   |
| 6    | B333    | B333  | Retrovirus infections, not elsewhere classified                                    |
| 6    | B338    | B338  | Other specified viral diseases   |
| 6    | B340    | B340  | Adenovirus infection, unspecified  |
| 6    | B341    | B341  | Enterovirus infection, unspecified   |
| 6    | B342    | B342  | Coronavirus infection, unspecified   |
| 6    | B343    | B343  | Parvovirus infection, unspecified  |
| 6    | B344    | B344  | Papovavirus infection, unspecified   |
| 6    | B348    | B348  | Other viral infections of unspecified site   |
| 6    | B350    | B350  | Tinea barbae and tinea capitis   |
| 6    | B351    | B351  | Tinea unguium  |
| 6    | B352    | B352  | Tinea manuum   |
| 6    | B353    | B353  | Tinea pedis  |
| 6    | B354    | B354  | Tinea corporis   |
| 6    | B355    | B355  | Tinea imbricata  |
| 6    | B356    | B356  | Tinea cruris   |
| 6    | B358    | B358  | Other dermatophytoses  |
| 6    | B359    | B359  | Dermatophytosis, unspecified   |
| 6    | B360    | B360  | Pityriasis versicolor  |
| 6    | B361    | B361  | Tinea nigra  |
| 6    | B362    | B362  | White piedra   |
| 6    | B363    | B363  | Black piedra   |
| 6    | B368    | B368  | Other specified superficial mycoses  |
| 6    | B369    | B369  | Superficial mycosis, unspecified   |
| 6    | B370    | B370  | Candidal stomatitis  |
| 6    | B372    | B372  | Candidiasis of skin and nail   |
| 6    | B3741   | B3741 | Candidal cystitis and urethritis   |
| 6    | B3742   | B3742 | Candidal balanitis   |
| 6    | B3749   | B3749 | Other urogenital candidiasis   |
| 6    | B3782   | B3782 | Candidal enteritis   |
| 6    | B3783   | B3783 | Candidal cheilitis   |
| 6    | B3784   | B3784 | Candidal otitis externa  |
| 6    | B3789   | B3789 | Other sites of candidiasis   |
| 6    | B379    | B379  | Candidiasis, unspecified   |
| 6    | B383    | B383  | Cutaneous coccidioidomycosis   |
| 6    | B387    | B387  | Disseminated coccidioidomycosis  |
| 6    | B3881   | B3881 | Prostatic coccidioidomycosis   |
| 6    | B3889   | B3889 | Other forms of coccidioidomycosis  |
| 6    | B389    | B389  | Coccidioidomycosis, unspecified  |
| 6    | B393    | B393  | Disseminated histoplasmosis capsulati  |
| 6    | B394    | B394  | Histoplasmosis capsulati, unspecified  |
| 6    | B395    | B395  | Histoplasmosis duboisii  |
| 6    | B399    | B399  | Histoplasmosis, unspecified  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>   |
|-------------|----------------|---|
| 6           | B400           | B400 Acute pulmonary blastomycosis  |
| 6           | B401           | B401 Chronic pulmonary blastomycosis  |
| 6           | B402           | B402 Pulmonary blastomycosis, unspecified                                     |
| 6           | B403           | B403 Cutaneous blastomycosis  |
| 6           | B407           | B407 Disseminated blastomycosis   |
| 6           | B4081          | B4081 Blastomycotic meningoencephalitis                                       |
| 6           | B4089          | B4089 Other forms of blastomycosis  |
| 6           | B409           | B409 Blastomycosis, unspecified   |
| 6           | B410           | B410 Pulmonary paracoccidioidomycosis   |
| 6           | B417           | B417 Disseminated paracoccidioidomycosis                                      |
| 6           | B418           | B418 Other forms of paracoccidioidomycosis                                    |
| 6           | B419           | B419 Paracoccidioidomycosis, unspecified                                      |
| 6           | B420           | B420 Pulmonary sporotrichosis   |
| 6           | B421           | B421 Lymphocutaneous sporotrichosis   |
| 6           | B427           | B427 Disseminated sporotrichosis  |
| 6           | B4281          | B4281 Cerebral sporotrichosis   |
| 6           | B4282          | B4282 Sporotrichosis arthritis  |
| 6           | B4289          | B4289 Other forms of sporotrichosis   |
| 6           | B429           | B429 Sporotrichosis, unspecified  |
| 6           | B430           | B430 Cutaneous chromomycosis  |
| 6           | B431           | B431 Pheomycotic brain abscess  |
| 6           | B432           | B432 Subcutaneous pheomycotic abscess and cyst                                |
| 6           | B438           | B438 Other forms of chromomycosis   |
| 6           | B439           | B439 Chromomycosis, unspecified   |
| 6           | B470           | B470 Eumycetoma   |
| 6           | B471           | B471 Actinomycetoma   |
| 6           | B479           | B479 Mycetoma, unspecified  |
| 6           | B480           | B480 Lobomycosis  |
| 6           | B481           | B481 Rhinosporidiosis   |
| 6           | B482           | B482 Allescheriasis   |
| 6           | B483           | B483 Geotrichosis   |
| 6           | B488           | B488 Other specified mycoses  |
| 6           | B49            | B49 Unspecified mycosis   |
| 6           | B500           | B500 Plasmodium falciparum malaria with cerebral complications                |
| 6           | B508           | B508 Other severe and complicated Plasmodium falciparum malaria               |
| 6           | B509           | B509 Plasmodium falciparum malaria, unspecified                               |
| 6           | B510           | B510 Plasmodium vivax malaria with rupture of spleen                          |
| 6           | B518           | B518 Plasmodium vivax malaria with other complications                        |
| 6           | B519           | B519 Plasmodium vivax malaria without complication                            |
| 6           | B520           | B520 Plasmodium malariae malaria with nephropathy                             |
| 6           | B528           | B528 Plasmodium malariae malaria with other complications                     |
| 6           | B529           | B529 Plasmodium malariae malaria without complication                         |
| 6           | B530           | B530 Plasmodium ovale malaria   |
| 6           | B531           | B531 Malaria due to simian plasmodia  |
| 6           | B538           | B538 Other malaria, not elsewhere classified                                  |
| 6           | B54            | B54 Unspecified malaria   |
| 6           | B550           | B550 Visceral leishmaniasis   |
| 6           | B551           | B551 Cutaneous leishmaniasis  |
| 6           | B552           | B552 Mucocutaneous leishmaniasis  |
| 6           | B559           | B559 Leishmaniasis, unspecified   |
| 6           | B560           | B560 Gambiense trypanosomiasis  |
| 6           | B561           | B561 Rhodesiense trypanosomiasis  |
| 6           | B569           | B569 African trypanosomiasis, unspecified                                     |
| 6           | B570           | B570 Acute Chagas' disease with heart involvement                             |
| 6           | B571           | B571 Acute Chagas' disease without heart involvement                          |
| 6           | B572           | B572 Chagas' disease (chronic) with heart involvement                         |
| 6           | B5730          | B5730 Chagas' disease with digestive system involvement, unspecified          |
| 6           | B5731          | B5731 Megaesophagus in Chagas' disease  |
| 6           | B5732          | B5732 Megacolon in Chagas' disease  |
| 6           | B5739          | B5739 Other digestive system involvement in Chagas' disease                   |
| 6           | B5740          | B5740 Chagas' disease with nervous system involvement, unspecified            |
| 6           | B5741          | B5741 Meningitis in Chagas' disease   |
| 6           | B5742          | B5742 Meningoencephalitis in Chagas' disease                                  |
| 6           | B5749          | B5749 Other nervous system involvement in Chagas' disease                     |
| 6           | B575           | B575 Chagas' disease (chronic) with other organ involvement                   |
| 6           | B5800          | B5800 Toxoplasma oculopathy, unspecified                                      |
| 6           | B5809          | B5809 Other toxoplasma oculopathy   |
| 6           | B5882          | B5882 Toxoplasma myositis   |
| 6           | B5883          | B5883 Toxoplasma tubulo-interstitial nephropathy                              |
| 6           | B589           | B589 Toxoplasmosis, unspecified   |
| 6           | B600           | B600 Babesiosis   |
| 6           | B608           | B608 Other specified protozoal diseases                                       |
| 6           | B64            | B64 Unspecified protozoal disease   |
| 6           | B650           | B650 Schistosomiasis due to Schistosoma haematobium [urinary schistosomiasis] |
| 6           | B651           | B651 Schistosomiasis due to Schistosoma mansoni [intestinal schistosomiasis]  |
| 6           | B652           | B652 Schistosomiasis due to Schistosoma japonicum                             |
| 6           | B653           | B653 Cercarial dermatitis   |
| 6           | B658           | B658 Other schistosomiasis  |
| 6           | B659           | B659 Schistosomiasis, unspecified   |
| 6           | B660           | B660 Opisthorchiasis  |
| 6           | B661           | B661 Clonorchiasis  |
| 6           | B662           | B662 Dicrocoeliasis   |
| 6           | B663           | B663 Fascioliasis   |
| 6           | B665           | B665 Fasciolopsiasis  |
| 6           | B668           | B668 Other specified fluke infections   |
| 6           | B669           | B669 Fluke infection, unspecified   |
| 6           | B672           | B672 Echinococcus granulosus infection of bone                                |
| 6           | B6731          | B6731 Echinococcus granulosus infection, thyroid gland                        |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>                                   |
|-------------|----------------|---|
| 6           | B6732          | B6732 Echinococcus granulosus infection, multiple sites     |
| 6           | B6739          | B6739 Echinococcus granulosus infection, other sites        |
| 6           | B674           | B674 Echinococcus granulosus infection, unspecified         |
| 6           | B6761          | B6761 Echinococcus multilocularis infection, multiple sites |
| 6           | B6769          | B6769 Echinococcus multilocularis infection, other sites    |
| 6           | B677           | B677 Echinococcus multilocularis infection, unspecified     |
| 6           | B6790          | B6790 Echinococcosis, unspecified                           |
| 6           | B6799          | B6799 Other echinococcosis                                  |
| 6           | B680           | B680 Taenia solium taeniasis                                |
| 6           | B681           | B681 Taenia saginata taeniasis                              |
| 6           | B689           | B689 Taeniasis, unspecified                                 |
| 6           | B690           | B690 Cysticercosis of central nervous system                |
| 6           | B691           | B691 Cysticercosis of eye                                   |
| 6           | B6981          | B6981 Myositis in cysticercosis                             |
| 6           | B6989          | B6989 Cysticercosis of other sites                          |
| 6           | B699           | B699 Cysticercosis, unspecified                             |
| 6           | B700           | B700 Diphyllbothriasis                                      |
| 6           | B701           | B701 Sparganosis  |
| 6           | B710           | B710 Hymenolepiasis   |
| 6           | B711           | B711 Dipylidiasis   |
| 6           | B718           | B718 Other specified cestode infections                     |
| 6           | B719           | B719 Cestode infection, unspecified                         |
| 6           | B72            | B72 Dracunculiasis  |
| 6           | B7300          | B7300 Onchocerciasis with eye involvement, unspecified      |
| 6           | B7301          | B7301 Onchocerciasis with endophthalmitis                   |
| 6           | B7302          | B7302 Onchocerciasis with glaucoma                          |
| 6           | B7309          | B7309 Onchocerciasis with other eye involvement             |
| 6           | B731           | B731 Onchocerciasis without eye disease                     |
| 6           | B740           | B740 Filariasis due to Wuchereria bancrofti                 |
| 6           | B741           | B741 Filariasis due to Brugia malayi                        |
| 6           | B742           | B742 Filariasis due to Brugia timori                        |
| 6           | B743           | B743 Loiasis  |
| 6           | B744           | B744 Mansonelliasis   |
| 6           | B748           | B748 Other filariases                                       |
| 6           | B749           | B749 Filariasis, unspecified                                |
| 6           | B75            | B75 Trichinellosis  |
| 6           | B760           | B760 Ancylostomiasis  |
| 6           | B761           | B761 Necatoriasis   |
| 6           | B768           | B768 Other hookworm diseases                                |
| 6           | B769           | B769 Hookworm disease, unspecified                          |
| 6           | B770           | B770 Ascariasis with intestinal complications               |
| 6           | B7781          | B7781 Ascariasis pneumonia                                  |
| 6           | B7789          | B7789 Ascariasis with other complications                   |
| 6           | B779           | B779 Ascariasis, unspecified                                |
| 6           | B780           | B780 Intestinal strongyloidiasis                            |
| 6           | B787           | B787 Disseminated strongyloidiasis                          |
| 6           | B789           | B789 Strongyloidiasis, unspecified                          |
| 6           | B79            | B79 Trichuriasis  |
| 6           | B80            | B80 Enterobiasis  |
| 6           | B810           | B810 Anisakiasis  |
| 6           | B811           | B811 Intestinal capillariasis                               |
| 6           | B812           | B812 Trichostrongyliasis                                    |
| 6           | B813           | B813 Intestinal angiostrongyliasis                          |
| 6           | B814           | B814 Mixed intestinal helminthiasis                         |
| 6           | B818           | B818 Other specified intestinal helminthiasis               |
| 6           | B820           | B820 Intestinal helminthiasis, unspecified                  |
| 6           | B829           | B829 Intestinal parasitism, unspecified                     |
| 6           | B830           | B830 Visceral larva migrans                                 |
| 6           | B831           | B831 Gnathostomiasis  |
| 6           | B832           | B832 Angiostrongyliasis due to Parastrongylus cantonensis   |
| 6           | B833           | B833 Syngamiasis  |
| 6           | B834           | B834 Internal hirudiniasis                                  |
| 6           | B838           | B838 Other specified helminthiasis                          |
| 6           | B839           | B839 Helminthiasis, unspecified                             |
| 6           | B850           | B850 Pediculosis due to Pediculus humanus capitis           |
| 6           | B851           | B851 Pediculosis due to Pediculus humanus corporis          |
| 6           | B852           | B852 Pediculosis, unspecified                               |
| 6           | B853           | B853 Phthiriasis  |
| 6           | B854           | B854 Mixed pediculosis and phthiriasis                      |
| 6           | B86            | B86 Scabies   |
| 6           | B870           | B870 Cutaneous myiasis                                      |
| 6           | B871           | B871 Wound myiasis  |
| 6           | B872           | B872 Ocular myiasis   |
| 6           | B873           | B873 Nasopharyngeal myiasis                                 |
| 6           | B874           | B874 Aural myiasis  |
| 6           | B8781          | B8781 Genitourinary myiasis                                 |
| 6           | B8782          | B8782 Intestinal myiasis                                    |
| 6           | B8789          | B8789 Myiasis of other sites                                |
| 6           | B879           | B879 Myiasis, unspecified                                   |
| 6           | B880           | B880 Other acariasis  |
| 6           | B881           | B881 Tungiasis [sandflea infestation]                       |
| 6           | B882           | B882 Other arthropod infestations                           |
| 6           | B883           | B883 External hirudiniasis                                  |
| 6           | B888           | B888 Other specified infestations                           |
| 6           | B889           | B889 Infestation, unspecified                               |
| 6           | B89            | B89 Unspecified parasitic disease                           |
| 6           | B901           | B901 Sequelae of genitourinary tuberculosis                 |
| 6           | B902           | B902 Sequelae of tuberculosis of bones and joints           |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 6    | B908    | B908 Sequelae of tuberculosis of other organs   |
| 6    | B909    | B909 Sequelae of respiratory and unspecified tuberculosis   |
| 6    | B92     | B92 Sequelae of leprosy   |
| 6    | B940    | B940 Sequelae of trachoma   |
| 6    | B942    | B942 Sequelae of viral hepatitis  |
| 6    | B948    | B948 Sequelae of other specified infectious and parasitic diseases  |
| 6    | B949    | B949 Sequelae of unspecified infectious and parasitic disease   |
| 6    | B950    | B950 Streptococcus, group A, as the cause of diseases classified elsewhere                                  |
| 6    | B951    | B951 Streptococcus, group B, as the cause of diseases classified elsewhere                                  |
| 6    | B952    | B952 Enterococcus as the cause of diseases classified elsewhere   |
| 6    | B953    | B953 Streptococcus pneumoniae as the cause of diseases classified elsewhere                                 |
| 6    | B954    | B954 Other streptococcus as the cause of diseases classified elsewhere                                      |
| 6    | B955    | B955 Unspecified streptococcus as the cause of diseases classified elsewhere                                |
| 6    | B9561   | B9561 Methicillin susceptible Staphylococcus aureus infection as the cause of diseases classified elsewhere |
| 6    | B957    | B957 Other staphylococcus as the cause of diseases classified elsewhere                                     |
| 6    | B958    | B958 Unspecified staphylococcus as the cause of diseases classified elsewhere                               |
| 6    | B960    | B960 Mycoplasma pneumoniae [M. pneumoniae] as the cause of diseases classified elsewhere                    |
| 6    | B961    | B961 Klebsiella pneumoniae [K. pneumoniae] as the cause of diseases classified elsewhere                    |
| 6    | B963    | B963 Hemophilus influenzae [H. influenzae] as the cause of diseases classified elsewhere                    |
| 6    | B964    | B964 Proteus (mirabilis) (morganii) as the cause of diseases classified elsewhere                           |
| 6    | B965    | B965 Pseudomonas (aeruginosa) (mallei) (pseudomallei) as the cause of diseases classified elsewhere         |
| 6    | B966    | B966 Bacteroides fragilis [B. fragilis] as the cause of diseases classified elsewhere                       |
| 6    | B967    | B967 Clostridium perfringens [C. perfringens] as the cause of diseases classified elsewhere                 |
| 6    | B9681   | B9681 Helicobacter pylori [H. pylori] as the cause of diseases classified elsewhere                         |
| 6    | B9682   | B9682 Vibrio vulnificus as the cause of diseases classified elsewhere                                       |
| 6    | B9689   | B9689 Other specified bacterial agents as the cause of diseases classified elsewhere                        |
| 6    | B970    | B970 Adenovirus as the cause of diseases classified elsewhere   |
| 6    | B9710   | B9710 Unspecified enterovirus as the cause of diseases classified elsewhere                                 |
| 6    | B9711   | B9711 Coxsackievirus as the cause of diseases classified elsewhere  |
| 6    | B9712   | B9712 Echovirus as the cause of diseases classified elsewhere   |
| 6    | B9719   | B9719 Other enterovirus as the cause of diseases classified elsewhere                                       |
| 6    | B9729   | B9729 Other coronavirus as the cause of diseases classified elsewhere                                       |
| 6    | B9730   | B9730 Unspecified retrovirus as the cause of diseases classified elsewhere                                  |
| 6    | B9731   | B9731 Lentivirus as the cause of diseases classified elsewhere  |
| 6    | B9732   | B9732 Oncovirus as the cause of diseases classified elsewhere   |
| 6    | B9733   | B9733 Human T-cell lymphotropic virus, type I [HTLV-I] as the cause of diseases classified elsewhere        |
| 6    | B9734   | B9734 Human T-cell lymphotropic virus, type II [HTLV-II] as the cause of diseases classified elsewhere      |
| 6    | B9739   | B9739 Other retrovirus as the cause of diseases classified elsewhere  |
| 6    | B974    | B974 Respiratory syncytial virus as the cause of diseases classified elsewhere                              |
| 6    | B975    | B975 Reovirus as the cause of diseases classified elsewhere   |
| 6    | B976    | B976 Parvovirus as the cause of diseases classified elsewhere   |
| 6    | B977    | B977 Papillomavirus as the cause of diseases classified elsewhere   |
| 6    | B9781   | B9781 Human metapneumovirus as the cause of diseases classified elsewhere                                   |
| 6    | B9789   | B9789 Other viral agents as the cause of diseases classified elsewhere                                      |
| 6    | B998    | B998 Other infectious disease   |
| 6    | B999    | B999 Unspecified infectious disease   |
| 6    | H32     | H32 Chorioretinal disorders in diseases classified elsewhere  |
| 6    | J020    | J020 Streptococcal pharyngitis  |
| 6    | J0300   | J0300 Acute streptococcal tonsillitis, unspecified  |
| 6    | J0301   | J0301 Acute recurrent streptococcal tonsillitis   |
| 6    | J200    | J200 Acute bronchitis due to Mycoplasma pneumoniae  |
| 6    | J201    | J201 Acute bronchitis due to Hemophilus influenzae  |
| 6    | J202    | J202 Acute bronchitis due to streptococcus  |
| 6    | J203    | J203 Acute bronchitis due to coxsackievirus   |
| 6    | J204    | J204 Acute bronchitis due to parainfluenza virus  |
| 6    | J205    | J205 Acute bronchitis due to respiratory syncytial virus  |
| 6    | J206    | J206 Acute bronchitis due to rhinovirus   |
| 6    | J207    | J207 Acute bronchitis due to echovirus  |
| 6    | K77     | K77 Liver disorders in diseases classified elsewhere  |
| 6    | L444    | L444 Infantile papular acrodermatitis [Gianotti-Crosti]   |
| 6    | L946    | L946 Ainhum   |
| 6    | M0000   | M0000 Staphylococcal arthritis, unspecified joint   |
| 6    | M00011  | M00011 Staphylococcal arthritis, right shoulder   |
| 6    | M00012  | M00012 Staphylococcal arthritis, left shoulder  |
| 6    | M00019  | M00019 Staphylococcal arthritis, unspecified shoulder   |
| 6    | M00021  | M00021 Staphylococcal arthritis, right elbow  |
| 6    | M00022  | M00022 Staphylococcal arthritis, left elbow   |
| 6    | M00029  | M00029 Staphylococcal arthritis, unspecified elbow  |
| 6    | M00031  | M00031 Staphylococcal arthritis, right wrist  |
| 6    | M00032  | M00032 Staphylococcal arthritis, left wrist   |
| 6    | M00039  | M00039 Staphylococcal arthritis, unspecified wrist  |
| 6    | M00041  | M00041 Staphylococcal arthritis, right hand   |
| 6    | M00042  | M00042 Staphylococcal arthritis, left hand  |
| 6    | M00049  | M00049 Staphylococcal arthritis, unspecified hand   |
| 6    | M00051  | M00051 Staphylococcal arthritis, right hip  |
| 6    | M00052  | M00052 Staphylococcal arthritis, left hip   |
| 6    | M00059  | M00059 Staphylococcal arthritis, unspecified hip  |
| 6    | M00061  | M00061 Staphylococcal arthritis, right knee   |
| 6    | M00062  | M00062 Staphylococcal arthritis, left knee  |
| 6    | M00069  | M00069 Staphylococcal arthritis, unspecified knee   |
| 6    | M00071  | M00071 Staphylococcal arthritis, right ankle and foot   |
| 6    | M00072  | M00072 Staphylococcal arthritis, left ankle and foot  |
| 6    | M00079  | M00079 Staphylococcal arthritis, unspecified ankle and foot   |
| 6    | M0008   | M0008 Staphylococcal arthritis, vertebrae   |
| 6    | M0009   | M0009 Staphylococcal polyarthritis  |
| 6    | M0010   | M0010 Pneumococcal arthritis, unspecified joint   |
| 6    | M00111  | M00111 Pneumococcal arthritis, right shoulder   |
| 6    | M00112  | M00112 Pneumococcal arthritis, left shoulder  |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 6    | M00119  | M00119 Pneumococcal arthritis, unspecified shoulder                |
| 6    | M00121  | M00121 Pneumococcal arthritis, right elbow                         |
| 6    | M00122  | M00122 Pneumococcal arthritis, left elbow                          |
| 6    | M00129  | M00129 Pneumococcal arthritis, unspecified elbow                   |
| 6    | M00131  | M00131 Pneumococcal arthritis, right wrist                         |
| 6    | M00132  | M00132 Pneumococcal arthritis, left wrist                          |
| 6    | M00139  | M00139 Pneumococcal arthritis, unspecified wrist                   |
| 6    | M00141  | M00141 Pneumococcal arthritis, right hand                          |
| 6    | M00142  | M00142 Pneumococcal arthritis, left hand                           |
| 6    | M00149  | M00149 Pneumococcal arthritis, unspecified hand                    |
| 6    | M00151  | M00151 Pneumococcal arthritis, right hip                           |
| 6    | M00152  | M00152 Pneumococcal arthritis, left hip                            |
| 6    | M00159  | M00159 Pneumococcal arthritis, unspecified hip                     |
| 6    | M00161  | M00161 Pneumococcal arthritis, right knee                          |
| 6    | M00162  | M00162 Pneumococcal arthritis, left knee                           |
| 6    | M00169  | M00169 Pneumococcal arthritis, unspecified knee                    |
| 6    | M00171  | M00171 Pneumococcal arthritis, right ankle and foot                |
| 6    | M00172  | M00172 Pneumococcal arthritis, left ankle and foot                 |
| 6    | M00179  | M00179 Pneumococcal arthritis, unspecified ankle and foot          |
| 6    | M0018   | M0018 Pneumococcal arthritis, vertebrae                            |
| 6    | M0019   | M0019 Pneumococcal polyarthritis                                   |
| 6    | M0020   | M0020 Other streptococcal arthritis, unspecified joint             |
| 6    | M00211  | M00211 Other streptococcal arthritis, right shoulder               |
| 6    | M00212  | M00212 Other streptococcal arthritis, left shoulder                |
| 6    | M00219  | M00219 Other streptococcal arthritis, unspecified shoulder         |
| 6    | M00221  | M00221 Other streptococcal arthritis, right elbow                  |
| 6    | M00222  | M00222 Other streptococcal arthritis, left elbow                   |
| 6    | M00229  | M00229 Other streptococcal arthritis, unspecified elbow            |
| 6    | M00231  | M00231 Other streptococcal arthritis, right wrist                  |
| 6    | M00232  | M00232 Other streptococcal arthritis, left wrist                   |
| 6    | M00239  | M00239 Other streptococcal arthritis, unspecified wrist            |
| 6    | M00241  | M00241 Other streptococcal arthritis, right hand                   |
| 6    | M00242  | M00242 Other streptococcal arthritis, left hand                    |
| 6    | M00249  | M00249 Other streptococcal arthritis, unspecified hand             |
| 6    | M00251  | M00251 Other streptococcal arthritis, right hip                    |
| 6    | M00252  | M00252 Other streptococcal arthritis, left hip                     |
| 6    | M00259  | M00259 Other streptococcal arthritis, unspecified hip              |
| 6    | M00261  | M00261 Other streptococcal arthritis, right knee                   |
| 6    | M00262  | M00262 Other streptococcal arthritis, left knee                    |
| 6    | M00269  | M00269 Other streptococcal arthritis, unspecified knee             |
| 6    | M00271  | M00271 Other streptococcal arthritis, right ankle and foot         |
| 6    | M00272  | M00272 Other streptococcal arthritis, left ankle and foot          |
| 6    | M00279  | M00279 Other streptococcal arthritis, unspecified ankle and foot   |
| 6    | M0028   | M0028 Other streptococcal arthritis, vertebrae                     |
| 6    | M0029   | M0029 Other streptococcal polyarthritis                            |
| 6    | M0080   | M0080 Arthritis due to other bacteria, unspecified joint           |
| 6    | M00811  | M00811 Arthritis due to other bacteria, right shoulder             |
| 6    | M00812  | M00812 Arthritis due to other bacteria, left shoulder              |
| 6    | M00819  | M00819 Arthritis due to other bacteria, unspecified shoulder       |
| 6    | M00821  | M00821 Arthritis due to other bacteria, right elbow                |
| 6    | M00822  | M00822 Arthritis due to other bacteria, left elbow                 |
| 6    | M00829  | M00829 Arthritis due to other bacteria, unspecified elbow          |
| 6    | M00831  | M00831 Arthritis due to other bacteria, right wrist                |
| 6    | M00832  | M00832 Arthritis due to other bacteria, left wrist                 |
| 6    | M00839  | M00839 Arthritis due to other bacteria, unspecified wrist          |
| 6    | M00841  | M00841 Arthritis due to other bacteria, right hand                 |
| 6    | M00842  | M00842 Arthritis due to other bacteria, left hand                  |
| 6    | M00849  | M00849 Arthritis due to other bacteria, unspecified hand           |
| 6    | M00851  | M00851 Arthritis due to other bacteria, right hip                  |
| 6    | M00852  | M00852 Arthritis due to other bacteria, left hip                   |
| 6    | M00859  | M00859 Arthritis due to other bacteria, unspecified hip            |
| 6    | M00861  | M00861 Arthritis due to other bacteria, right knee                 |
| 6    | M00862  | M00862 Arthritis due to other bacteria, left knee                  |
| 6    | M00869  | M00869 Arthritis due to other bacteria, unspecified knee           |
| 6    | M00871  | M00871 Arthritis due to other bacteria, right ankle and foot       |
| 6    | M00872  | M00872 Arthritis due to other bacteria, left ankle and foot        |
| 6    | M00879  | M00879 Arthritis due to other bacteria, unspecified ankle and foot |
| 6    | M0088   | M0088 Arthritis due to other bacteria, vertebrae                   |
| 6    | M0089   | M0089 Polyarthritis due to other bacteria                          |
| 6    | M60009  | M60009 Infective myositis, unspecified site                        |
| 6    | N341    | N341 Nonspecific urethritis  |
| 6    | R1111   | R1111 Vomiting without nausea                                      |
| 6    | Z1610   | Z1610 Resistance to unspecified beta lactam antibiotics            |
| 6    | Z1611   | Z1611 Resistance to penicillins                                    |
| 6    | Z1612   | Z1612 Extended spectrum beta lactamase (ESBL) resistance           |
| 6    | Z1619   | Z1619 Resistance to other specified beta lactam antibiotics        |
| 6    | Z1620   | Z1620 Resistance to unspecified antibiotic                         |
| 6    | Z1621   | Z1621 Resistance to vancomycin                                     |
| 6    | Z1622   | Z1622 Resistance to vancomycin related antibiotics                 |
| 6    | Z1623   | Z1623 Resistance to quinolones and fluoroquinolones                |
| 6    | Z1624   | Z1624 Resistance to multiple antibiotics                           |
| 6    | Z1629   | Z1629 Resistance to other single specified antibiotic              |
| 6    | Z1630   | Z1630 Resistance to unspecified antimicrobial drugs                |
| 6    | Z1631   | Z1631 Resistance to antiparasitic drug(s)                          |
| 6    | Z1632   | Z1632 Resistance to antifungal drug(s)                             |
| 6    | Z1633   | Z1633 Resistance to antiviral drug(s)                              |
| 6    | Z16341  | Z16341 Resistance to single antimycobacterial drug                 |
| 6    | Z16342  | Z16342 Resistance to multiple antimycobacterial drugs              |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 6    | Z1635   | Z1635 Resistance to multiple antimicrobial drugs   |
| 6    | Z1639   | Z1639 Resistance to other specified antimicrobial drug                                   |
| 7    | C770    | C770 Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck  |
| 7    | C771    | C771 Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes           |
| 7    | C772    | C772 Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes         |
| 7    | C773    | C773 Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes   |
| 7    | C774    | C774 Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes |
| 7    | C775    | C775 Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes             |
| 7    | C778    | C778 Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions     |
| 7    | C779    | C779 Secondary and unspecified malignant neoplasm of lymph node, unspecified             |
| 7    | C7800   | C7800 Secondary malignant neoplasm of unspecified lung                                   |
| 7    | C7801   | C7801 Secondary malignant neoplasm of right lung   |
| 7    | C7802   | C7802 Secondary malignant neoplasm of left lung  |
| 7    | C781    | C781 Secondary malignant neoplasm of mediastinum   |
| 7    | C782    | C782 Secondary malignant neoplasm of pleura  |
| 7    | C7830   | C7830 Secondary malignant neoplasm of unspecified respiratory organ                      |
| 7    | C7839   | C7839 Secondary malignant neoplasm of other respiratory organs                           |
| 7    | C784    | C784 Secondary malignant neoplasm of small intestine                                     |
| 7    | C785    | C785 Secondary malignant neoplasm of large intestine and rectum                          |
| 7    | C786    | C786 Secondary malignant neoplasm of retroperitoneum and peritoneum                      |
| 7    | C787    | C787 Secondary malignant neoplasm of liver and intrahepatic bile duct                    |
| 7    | C7880   | C7880 Secondary malignant neoplasm of unspecified digestive organ                        |
| 7    | C7889   | C7889 Secondary malignant neoplasm of other digestive organs                             |
| 7    | C7900   | C7900 Secondary malignant neoplasm of unspecified kidney and renal pelvis                |
| 7    | C7901   | C7901 Secondary malignant neoplasm of right kidney and renal pelvis                      |
| 7    | C7902   | C7902 Secondary malignant neoplasm of left kidney and renal pelvis                       |
| 7    | C7910   | C7910 Secondary malignant neoplasm of unspecified urinary organs                         |
| 7    | C7911   | C7911 Secondary malignant neoplasm of bladder  |
| 7    | C7919   | C7919 Secondary malignant neoplasm of other urinary organs                               |
| 7    | C792    | C792 Secondary malignant neoplasm of skin  |
| 7    | C7931   | C7931 Secondary malignant neoplasm of brain  |
| 7    | C7932   | C7932 Secondary malignant neoplasm of cerebral meninges                                  |
| 7    | C7940   | C7940 Secondary malignant neoplasm of unspecified part of nervous system                 |
| 7    | C7949   | C7949 Secondary malignant neoplasm of other parts of nervous system                      |
| 7    | C7951   | C7951 Secondary malignant neoplasm of bone   |
| 7    | C7952   | C7952 Secondary malignant neoplasm of bone marrow  |
| 7    | C7960   | C7960 Secondary malignant neoplasm of unspecified ovary                                  |
| 7    | C7961   | C7961 Secondary malignant neoplasm of right ovary  |
| 7    | C7962   | C7962 Secondary malignant neoplasm of left ovary   |
| 7    | C7970   | C7970 Secondary malignant neoplasm of unspecified adrenal gland                          |
| 7    | C7971   | C7971 Secondary malignant neoplasm of right adrenal gland                                |
| 7    | C7972   | C7972 Secondary malignant neoplasm of left adrenal gland                                 |
| 7    | C7981   | C7981 Secondary malignant neoplasm of breast   |
| 7    | C7982   | C7982 Secondary malignant neoplasm of genital organs                                     |
| 7    | C7989   | C7989 Secondary malignant neoplasm of other specified sites                              |
| 7    | C799    | C799 Secondary malignant neoplasm of unspecified site                                    |
| 7    | C800    | C800 Disseminated malignant neoplasm, unspecified  |
| 7    | C9100   | C9100 Acute lymphoblastic leukemia not having achieved remission                         |
| 7    | C9101   | C9101 Acute lymphoblastic leukemia, in remission   |
| 7    | C9200   | C9200 Acute myeloblastic leukemia, not having achieved remission                         |
| 7    | C9201   | C9201 Acute myeloblastic leukemia, in remission  |
| 7    | C9240   | C9240 Acute promyelocytic leukemia, not having achieved remission                        |
| 7    | C9241   | C9241 Acute promyelocytic leukemia, in remission   |
| 7    | C9250   | C9250 Acute myelomonocytic leukemia, not having achieved remission                       |
| 7    | C9251   | C9251 Acute myelomonocytic leukemia, in remission  |
| 7    | C9260   | C9260 Acute myeloid leukemia with 11q23-abnormality not having achieved remission        |
| 7    | C9261   | C9261 Acute myeloid leukemia with 11q23-abnormality in remission                         |
| 7    | C92A0   | C92A0 Acute myeloid leukemia with multilineage dysplasia, not having achieved remission  |
| 7    | C92A1   | C92A1 Acute myeloid leukemia with multilineage dysplasia, in remission                   |
| 7    | C9300   | C9300 Acute monoblastic/monocytic leukemia, not having achieved remission                |
| 7    | C9301   | C9301 Acute monoblastic/monocytic leukemia, in remission                                 |
| 7    | C9400   | C9400 Acute erythroid leukemia, not having achieved remission                            |
| 7    | C9401   | C9401 Acute erythroid leukemia, in remission   |
| 7    | C9500   | C9500 Acute leukemia of unspecified cell type not having achieved remission              |
| 7    | C9501   | C9501 Acute leukemia of unspecified cell type, in remission                              |
| 8    | C153    | C153 Malignant neoplasm of upper third of esophagus                                      |
| 8    | C154    | C154 Malignant neoplasm of middle third of esophagus                                     |
| 8    | C155    | C155 Malignant neoplasm of lower third of esophagus                                      |
| 8    | C158    | C158 Malignant neoplasm of overlapping sites of esophagus                                |
| 8    | C159    | C159 Malignant neoplasm of esophagus, unspecified  |
| 8    | C160    | C160 Malignant neoplasm of cardia  |
| 8    | C161    | C161 Malignant neoplasm of fundus of stomach   |
| 8    | C162    | C162 Malignant neoplasm of body of stomach   |
| 8    | C163    | C163 Malignant neoplasm of pyloric antrum  |
| 8    | C164    | C164 Malignant neoplasm of pylorus   |
| 8    | C165    | C165 Malignant neoplasm of lesser curvature of stomach, unspecified                      |
| 8    | C166    | C166 Malignant neoplasm of greater curvature of stomach, unspecified                     |
| 8    | C168    | C168 Malignant neoplasm of overlapping sites of stomach                                  |
| 8    | C169    | C169 Malignant neoplasm of stomach, unspecified  |
| 8    | C170    | C170 Malignant neoplasm of duodenum  |
| 8    | C171    | C171 Malignant neoplasm of jejunum   |
| 8    | C172    | C172 Malignant neoplasm of ileum   |
| 8    | C173    | C173 Meckel's diverticulum, malignant  |
| 8    | C178    | C178 Malignant neoplasm of overlapping sites of small intestine                          |
| 8    | C179    | C179 Malignant neoplasm of small intestine, unspecified                                  |
| 8    | C220    | C220 Liver cell carcinoma  |
| 8    | C221    | C221 Intrahepatic bile duct carcinoma  |
| 8    | C222    | C222 Hepatoblastoma  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10 | ICD10CM_desc   |
|------|---------|-------|--|
| 8    | C223    | C223  | Angiosarcoma of liver  |
| 8    | C224    | C224  | Other sarcomas of liver  |
| 8    | C227    | C227  | Other specified carcinomas of liver  |
| 8    | C228    | C228  | Malignant neoplasm of liver, primary, unspecified as to type                       |
| 8    | C229    | C229  | Malignant neoplasm of liver, not specified as primary or secondary                 |
| 8    | C23     | C23   | Malignant neoplasm of gallbladder  |
| 8    | C240    | C240  | Malignant neoplasm of extrahepatic bile duct                                       |
| 8    | C241    | C241  | Malignant neoplasm of ampulla of Vater   |
| 8    | C248    | C248  | Malignant neoplasm of overlapping sites of biliary tract                           |
| 8    | C249    | C249  | Malignant neoplasm of biliary tract, unspecified                                   |
| 8    | C250    | C250  | Malignant neoplasm of head of pancreas   |
| 8    | C251    | C251  | Malignant neoplasm of body of pancreas   |
| 8    | C252    | C252  | Malignant neoplasm of tail of pancreas   |
| 8    | C253    | C253  | Malignant neoplasm of pancreatic duct  |
| 8    | C254    | C254  | Malignant neoplasm of endocrine pancreas   |
| 8    | C257    | C257  | Malignant neoplasm of other parts of pancreas                                      |
| 8    | C258    | C258  | Malignant neoplasm of overlapping sites of pancreas                                |
| 8    | C259    | C259  | Malignant neoplasm of pancreas, unspecified  |
| 8    | C33     | C33   | Malignant neoplasm of trachea  |
| 8    | C3400   | C3400 | Malignant neoplasm of unspecified main bronchus                                    |
| 8    | C3401   | C3401 | Malignant neoplasm of right main bronchus  |
| 8    | C3402   | C3402 | Malignant neoplasm of left main bronchus   |
| 8    | C3410   | C3410 | Malignant neoplasm of upper lobe, unspecified bronchus or lung                     |
| 8    | C3411   | C3411 | Malignant neoplasm of upper lobe, right bronchus or lung                           |
| 8    | C3412   | C3412 | Malignant neoplasm of upper lobe, left bronchus or lung                            |
| 8    | C342    | C342  | Malignant neoplasm of middle lobe, bronchus or lung                                |
| 8    | C3430   | C3430 | Malignant neoplasm of lower lobe, unspecified bronchus or lung                     |
| 8    | C3431   | C3431 | Malignant neoplasm of lower lobe, right bronchus or lung                           |
| 8    | C3432   | C3432 | Malignant neoplasm of lower lobe, left bronchus or lung                            |
| 8    | C3480   | C3480 | Malignant neoplasm of overlapping sites of unspecified bronchus and lung           |
| 8    | C3481   | C3481 | Malignant neoplasm of overlapping sites of right bronchus and lung                 |
| 8    | C3482   | C3482 | Malignant neoplasm of overlapping sites of left bronchus and lung                  |
| 8    | C3490   | C3490 | Malignant neoplasm of unspecified part of unspecified bronchus or lung             |
| 8    | C3491   | C3491 | Malignant neoplasm of unspecified part of right bronchus or lung                   |
| 8    | C3492   | C3492 | Malignant neoplasm of unspecified part of left bronchus or lung                    |
| 8    | C384    | C384  | Malignant neoplasm of pleura   |
| 8    | C450    | C450  | Mesothelioma of pleura   |
| 8    | C451    | C451  | Mesothelioma of peritoneum   |
| 8    | C480    | C480  | Malignant neoplasm of retroperitoneum  |
| 8    | C481    | C481  | Malignant neoplasm of specified parts of peritoneum                                |
| 8    | C482    | C482  | Malignant neoplasm of peritoneum, unspecified                                      |
| 8    | C488    | C488  | Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum          |
| 8    | C9210   | C9210 | Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission          |
| 8    | C9211   | C9211 | Chronic myeloid leukemia, BCR/ABL-positive, in remission                           |
| 8    | C9220   | C9220 | Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission |
| 8    | C9221   | C9221 | Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission                  |
| 8    | C9230   | C9230 | Myeloid sarcoma, not having achieved remission                                     |
| 8    | C9231   | C9231 | Myeloid sarcoma, in remission  |
| 8    | C9290   | C9290 | Myeloid leukemia, unspecified, not having achieved remission                       |
| 8    | C9291   | C9291 | Myeloid leukemia, unspecified in remission   |
| 8    | C9220   | C9220 | Other myeloid leukemia not having achieved remission                               |
| 8    | C9221   | C9221 | Other myeloid leukemia, in remission   |
| 8    | C9310   | C9310 | Chronic myelomonocytic leukemia not having achieved remission                      |
| 8    | C9311   | C9311 | Chronic myelomonocytic leukemia, in remission                                      |
| 8    | C9330   | C9330 | Juvenile myelomonocytic leukemia, not having achieved remission                    |
| 8    | C9331   | C9331 | Juvenile myelomonocytic leukemia, in remission                                     |
| 8    | C9390   | C9390 | Monocytic leukemia, unspecified, not having achieved remission                     |
| 8    | C9391   | C9391 | Monocytic leukemia, unspecified in remission                                       |
| 8    | C9320   | C9320 | Other monocytic leukemia, not having achieved remission                            |
| 8    | C9321   | C9321 | Other monocytic leukemia, in remission   |
| 8    | C9420   | C9420 | Acute megakaryoblastic leukemia not having achieved remission                      |
| 8    | C9421   | C9421 | Acute megakaryoblastic leukemia, in remission                                      |
| 8    | C9430   | C9430 | Mast cell leukemia not having achieved remission                                   |
| 8    | C9431   | C9431 | Mast cell leukemia, in remission   |
| 8    | C9480   | C9480 | Other specified leukemias not having achieved remission                            |
| 8    | C9481   | C9481 | Other specified leukemias, in remission  |
| 9    | C01     | C01   | Malignant neoplasm of base of tongue   |
| 9    | C020    | C020  | Malignant neoplasm of dorsal surface of tongue                                     |
| 9    | C021    | C021  | Malignant neoplasm of border of tongue   |
| 9    | C022    | C022  | Malignant neoplasm of ventral surface of tongue                                    |
| 9    | C023    | C023  | Malignant neoplasm of anterior two-thirds of tongue, part unspecified              |
| 9    | C024    | C024  | Malignant neoplasm of lingual tonsil   |
| 9    | C028    | C028  | Malignant neoplasm of overlapping sites of tongue                                  |
| 9    | C029    | C029  | Malignant neoplasm of tongue, unspecified  |
| 9    | C030    | C030  | Malignant neoplasm of upper gum  |
| 9    | C031    | C031  | Malignant neoplasm of lower gum  |
| 9    | C039    | C039  | Malignant neoplasm of gum, unspecified   |
| 9    | C040    | C040  | Malignant neoplasm of anterior floor of mouth                                      |
| 9    | C041    | C041  | Malignant neoplasm of lateral floor of mouth                                       |
| 9    | C048    | C048  | Malignant neoplasm of overlapping sites of floor of mouth                          |
| 9    | C049    | C049  | Malignant neoplasm of floor of mouth, unspecified                                  |
| 9    | C050    | C050  | Malignant neoplasm of hard palate  |
| 9    | C051    | C051  | Malignant neoplasm of soft palate  |
| 9    | C052    | C052  | Malignant neoplasm of uvula  |
| 9    | C058    | C058  | Malignant neoplasm of overlapping sites of palate                                  |
| 9    | C059    | C059  | Malignant neoplasm of palate, unspecified  |
| 9    | C060    | C060  | Malignant neoplasm of cheek mucosa   |
| 9    | C061    | C061  | Malignant neoplasm of vestibule of mouth   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 9    | C062    | C062 Malignant neoplasm of retromolar area  |
| 9    | C0680   | C0680 Malignant neoplasm of overlapping sites of unspecified parts of mouth                       |
| 9    | C0689   | C0689 Malignant neoplasm of overlapping sites of other parts of mouth                             |
| 9    | C069    | C069 Malignant neoplasm of mouth, unspecified   |
| 9    | C07     | C07 Malignant neoplasm of parotid gland   |
| 9    | C080    | C080 Malignant neoplasm of submandibular gland  |
| 9    | C081    | C081 Malignant neoplasm of sublingual gland   |
| 9    | C089    | C089 Malignant neoplasm of major salivary gland, unspecified                                      |
| 9    | C090    | C090 Malignant neoplasm of tonsillar fossa  |
| 9    | C091    | C091 Malignant neoplasm of tonsillar pillar (anterior) (posterior)                                |
| 9    | C098    | C098 Malignant neoplasm of overlapping sites of tonsil  |
| 9    | C099    | C099 Malignant neoplasm of tonsil, unspecified  |
| 9    | C100    | C100 Malignant neoplasm of vallecula  |
| 9    | C101    | C101 Malignant neoplasm of anterior surface of epiglottis   |
| 9    | C102    | C102 Malignant neoplasm of lateral wall of oropharynx   |
| 9    | C103    | C103 Malignant neoplasm of posterior wall of oropharynx   |
| 9    | C104    | C104 Malignant neoplasm of branchial cleft  |
| 9    | C108    | C108 Malignant neoplasm of overlapping sites of oropharynx  |
| 9    | C109    | C109 Malignant neoplasm of oropharynx, unspecified  |
| 9    | C110    | C110 Malignant neoplasm of superior wall of nasopharynx   |
| 9    | C111    | C111 Malignant neoplasm of posterior wall of nasopharynx  |
| 9    | C112    | C112 Malignant neoplasm of lateral wall of nasopharynx  |
| 9    | C113    | C113 Malignant neoplasm of anterior wall of nasopharynx   |
| 9    | C118    | C118 Malignant neoplasm of overlapping sites of nasopharynx                                       |
| 9    | C119    | C119 Malignant neoplasm of nasopharynx, unspecified   |
| 9    | C12     | C12 Malignant neoplasm of pyriform sinus  |
| 9    | C130    | C130 Malignant neoplasm of postcricoid region   |
| 9    | C131    | C131 Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect                              |
| 9    | C132    | C132 Malignant neoplasm of posterior wall of hypopharynx  |
| 9    | C138    | C138 Malignant neoplasm of overlapping sites of hypopharynx                                       |
| 9    | C139    | C139 Malignant neoplasm of hypopharynx, unspecified   |
| 9    | C140    | C140 Malignant neoplasm of pharynx, unspecified   |
| 9    | C142    | C142 Malignant neoplasm of Waldeyer's ring  |
| 9    | C148    | C148 Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx                      |
| 9    | C300    | C300 Malignant neoplasm of nasal cavity   |
| 9    | C301    | C301 Malignant neoplasm of middle ear   |
| 9    | C310    | C310 Malignant neoplasm of maxillary sinus  |
| 9    | C311    | C311 Malignant neoplasm of ethmoidal sinus  |
| 9    | C312    | C312 Malignant neoplasm of frontal sinus  |
| 9    | C313    | C313 Malignant neoplasm of sphenoid sinus   |
| 9    | C318    | C318 Malignant neoplasm of overlapping sites of accessory sinuses                                 |
| 9    | C319    | C319 Malignant neoplasm of accessory sinus, unspecified   |
| 9    | C320    | C320 Malignant neoplasm of glottis  |
| 9    | C321    | C321 Malignant neoplasm of supraglottis   |
| 9    | C322    | C322 Malignant neoplasm of subglottis   |
| 9    | C323    | C323 Malignant neoplasm of laryngeal cartilage  |
| 9    | C328    | C328 Malignant neoplasm of overlapping sites of larynx  |
| 9    | C329    | C329 Malignant neoplasm of larynx, unspecified  |
| 9    | C37     | C37 Malignant neoplasm of thymus  |
| 9    | C380    | C380 Malignant neoplasm of heart  |
| 9    | C381    | C381 Malignant neoplasm of anterior mediastinum   |
| 9    | C382    | C382 Malignant neoplasm of posterior mediastinum  |
| 9    | C383    | C383 Malignant neoplasm of mediastinum, part unspecified  |
| 9    | C388    | C388 Malignant neoplasm of overlapping sites of heart, mediastinum and pleura                     |
| 9    | C390    | C390 Malignant neoplasm of upper respiratory tract, part unspecified                              |
| 9    | C399    | C399 Malignant neoplasm of lower respiratory tract, part unspecified                              |
| 9    | C4000   | C4000 Malignant neoplasm of scapula and long bones of unspecified upper limb                      |
| 9    | C4001   | C4001 Malignant neoplasm of scapula and long bones of right upper limb                            |
| 9    | C4002   | C4002 Malignant neoplasm of scapula and long bones of left upper limb                             |
| 9    | C4010   | C4010 Malignant neoplasm of short bones of unspecified upper limb                                 |
| 9    | C4011   | C4011 Malignant neoplasm of short bones of right upper limb                                       |
| 9    | C4012   | C4012 Malignant neoplasm of short bones of left upper limb  |
| 9    | C4020   | C4020 Malignant neoplasm of long bones of unspecified lower limb                                  |
| 9    | C4021   | C4021 Malignant neoplasm of long bones of right lower limb  |
| 9    | C4022   | C4022 Malignant neoplasm of long bones of left lower limb   |
| 9    | C4030   | C4030 Malignant neoplasm of short bones of unspecified lower limb                                 |
| 9    | C4031   | C4031 Malignant neoplasm of short bones of right lower limb                                       |
| 9    | C4032   | C4032 Malignant neoplasm of short bones of left lower limb  |
| 9    | C4080   | C4080 Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb |
| 9    | C4081   | C4081 Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb       |
| 9    | C4082   | C4082 Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb        |
| 9    | C4090   | C4090 Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb         |
| 9    | C4091   | C4091 Malignant neoplasm of unspecified bones and articular cartilage of right limb               |
| 9    | C4092   | C4092 Malignant neoplasm of unspecified bones and articular cartilage of left limb                |
| 9    | C410    | C410 Malignant neoplasm of bones of skull and face  |
| 9    | C411    | C411 Malignant neoplasm of mandible   |
| 9    | C412    | C412 Malignant neoplasm of vertebral column   |
| 9    | C413    | C413 Malignant neoplasm of ribs, sternum and clavicle   |
| 9    | C414    | C414 Malignant neoplasm of pelvic bones, sacrum and coccyx  |
| 9    | C419    | C419 Malignant neoplasm of bone and articular cartilage, unspecified                              |
| 9    | C452    | C452 Mesothelioma of pericardium  |
| 9    | C460    | C460 Kaposi's sarcoma of skin   |
| 9    | C461    | C461 Kaposi's sarcoma of soft tissue  |
| 9    | C462    | C462 Kaposi's sarcoma of palate   |
| 9    | C463    | C463 Kaposi's sarcoma of lymph nodes  |
| 9    | C464    | C464 Kaposi's sarcoma of gastrointestinal sites   |
| 9    | C4650   | C4650 Kaposi's sarcoma of unspecified lung  |
| 9    | C4651   | C4651 Kaposi's sarcoma of right lung  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 9           | C4652          | C4652 Kaposi's sarcoma of left lung  |
| 9           | C467           | C467 Kaposi's sarcoma of other sites   |
| 9           | C469           | C469 Kaposi's sarcoma, unspecified   |
| 9           | C470           | C470 Malignant neoplasm of peripheral nerves of head, face and neck                                  |
| 9           | C4710          | C4710 Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder          |
| 9           | C4711          | C4711 Malignant neoplasm of peripheral nerves of right upper limb, including shoulder                |
| 9           | C4712          | C4712 Malignant neoplasm of peripheral nerves of left upper limb, including shoulder                 |
| 9           | C4720          | C4720 Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip               |
| 9           | C4721          | C4721 Malignant neoplasm of peripheral nerves of right lower limb, including hip                     |
| 9           | C4722          | C4722 Malignant neoplasm of peripheral nerves of left lower limb, including hip                      |
| 9           | C473           | C473 Malignant neoplasm of peripheral nerves of thorax   |
| 9           | C474           | C474 Malignant neoplasm of peripheral nerves of abdomen  |
| 9           | C475           | C475 Malignant neoplasm of peripheral nerves of pelvis   |
| 9           | C476           | C476 Malignant neoplasm of peripheral nerves of trunk, unspecified                                   |
| 9           | C478           | C478 Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system       |
| 9           | C479           | C479 Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified               |
| 9           | C490           | C490 Malignant neoplasm of connective and soft tissue of head, face and neck                         |
| 9           | C4910          | C4910 Malignant neoplasm of connective and soft tissue of unspecified upper limb, including shoulder |
| 9           | C4911          | C4911 Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder       |
| 9           | C4912          | C4912 Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder        |
| 9           | C4920          | C4920 Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip      |
| 9           | C4921          | C4921 Malignant neoplasm of connective and soft tissue of right lower limb, including hip            |
| 9           | C4922          | C4922 Malignant neoplasm of connective and soft tissue of left lower limb, including hip             |
| 9           | C493           | C493 Malignant neoplasm of connective and soft tissue of thorax                                      |
| 9           | C494           | C494 Malignant neoplasm of connective and soft tissue of abdomen                                     |
| 9           | C495           | C495 Malignant neoplasm of connective and soft tissue of pelvis                                      |
| 9           | C496           | C496 Malignant neoplasm of connective and soft tissue of trunk, unspecified                          |
| 9           | C498           | C498 Malignant neoplasm of overlapping sites of connective and soft tissue                           |
| 9           | C499           | C499 Malignant neoplasm of connective and soft tissue, unspecified                                   |
| 9           | C561           | C561 Malignant neoplasm of right ovary   |
| 9           | C562           | C562 Malignant neoplasm of left ovary  |
| 9           | C569           | C569 Malignant neoplasm of unspecified ovary   |
| 9           | C5700          | C5700 Malignant neoplasm of unspecified fallopian tube   |
| 9           | C5701          | C5701 Malignant neoplasm of right fallopian tube   |
| 9           | C5702          | C5702 Malignant neoplasm of left fallopian tube  |
| 9           | C5710          | C5710 Malignant neoplasm of unspecified broad ligament   |
| 9           | C5711          | C5711 Malignant neoplasm of right broad ligament   |
| 9           | C5712          | C5712 Malignant neoplasm of left broad ligament  |
| 9           | C5720          | C5720 Malignant neoplasm of unspecified round ligament   |
| 9           | C5721          | C5721 Malignant neoplasm of right round ligament   |
| 9           | C5722          | C5722 Malignant neoplasm of left round ligament  |
| 9           | C573           | C573 Malignant neoplasm of parametrium   |
| 9           | C574           | C574 Malignant neoplasm of uterine adnexa, unspecified   |
| 9           | C58            | C58 Malignant neoplasm of placenta   |
| 9           | C700           | C700 Malignant neoplasm of cerebral meninges   |
| 9           | C701           | C701 Malignant neoplasm of spinal meninges   |
| 9           | C709           | C709 Malignant neoplasm of meninges, unspecified   |
| 9           | C710           | C710 Malignant neoplasm of cerebrum, except lobes and ventricles                                     |
| 9           | C711           | C711 Malignant neoplasm of frontal lobe  |
| 9           | C712           | C712 Malignant neoplasm of temporal lobe   |
| 9           | C713           | C713 Malignant neoplasm of parietal lobe   |
| 9           | C714           | C714 Malignant neoplasm of occipital lobe  |
| 9           | C715           | C715 Malignant neoplasm of cerebral ventricle  |
| 9           | C716           | C716 Malignant neoplasm of cerebellum  |
| 9           | C717           | C717 Malignant neoplasm of brain stem  |
| 9           | C718           | C718 Malignant neoplasm of overlapping sites of brain  |
| 9           | C719           | C719 Malignant neoplasm of brain, unspecified  |
| 9           | C720           | C720 Malignant neoplasm of spinal cord   |
| 9           | C721           | C721 Malignant neoplasm of cauda equina  |
| 9           | C7220          | C7220 Malignant neoplasm of unspecified olfactory nerve  |
| 9           | C7221          | C7221 Malignant neoplasm of right olfactory nerve  |
| 9           | C7222          | C7222 Malignant neoplasm of left olfactory nerve   |
| 9           | C7230          | C7230 Malignant neoplasm of unspecified optic nerve  |
| 9           | C7231          | C7231 Malignant neoplasm of right optic nerve  |
| 9           | C7232          | C7232 Malignant neoplasm of left optic nerve   |
| 9           | C7240          | C7240 Malignant neoplasm of unspecified acoustic nerve   |
| 9           | C7241          | C7241 Malignant neoplasm of right acoustic nerve   |
| 9           | C7242          | C7242 Malignant neoplasm of left acoustic nerve  |
| 9           | C7250          | C7250 Malignant neoplasm of unspecified cranial nerve  |
| 9           | C7259          | C7259 Malignant neoplasm of other cranial nerves   |
| 9           | C729           | C729 Malignant neoplasm of central nervous system, unspecified                                       |
| 9           | C7400          | C7400 Malignant neoplasm of cortex of unspecified adrenal gland                                      |
| 9           | C7401          | C7401 Malignant neoplasm of cortex of right adrenal gland  |
| 9           | C7402          | C7402 Malignant neoplasm of cortex of left adrenal gland   |
| 9           | C7410          | C7410 Malignant neoplasm of medulla of unspecified adrenal gland                                     |
| 9           | C7411          | C7411 Malignant neoplasm of medulla of right adrenal gland   |
| 9           | C7412          | C7412 Malignant neoplasm of medulla of left adrenal gland  |
| 9           | C7490          | C7490 Malignant neoplasm of unspecified part of unspecified adrenal gland                            |
| 9           | C7491          | C7491 Malignant neoplasm of unspecified part of right adrenal gland                                  |
| 9           | C7492          | C7492 Malignant neoplasm of unspecified part of left adrenal gland                                   |
| 9           | C751           | C751 Malignant neoplasm of pituitary gland   |
| 9           | C752           | C752 Malignant neoplasm of craniopharyngeal duct   |
| 9           | C753           | C753 Malignant neoplasm of pineal gland  |
| 9           | C8100          | C8100 Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site                              |
| 9           | C8101          | C8101 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck           |
| 9           | C8102          | C8102 Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes                     |
| 9           | C8103          | C8103 Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes                   |
| 9           | C8104          | C8104 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb          |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 9    | C8105   | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb |
| 9    | C8106   | Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes                       |
| 9    | C8107   | Nodular lymphocyte predominant Hodgkin lymphoma, spleen  |
| 9    | C8108   | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites                 |
| 9    | C8109   | Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites              |
| 9    | C8110   | Nodular sclerosis classical Hodgkin lymphoma, unspecified site                                 |
| 9    | C8111   | Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of head, face, and neck              |
| 9    | C8112   | Nodular sclerosis classical Hodgkin lymphoma, intrathoracic lymph nodes                        |
| 9    | C8113   | Nodular sclerosis classical Hodgkin lymphoma, intra-abdominal lymph nodes                      |
| 9    | C8114   | Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of axilla and upper limb             |
| 9    | C8115   | Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb    |
| 9    | C8116   | Nodular sclerosis classical Hodgkin lymphoma, intrapelvic lymph nodes                          |
| 9    | C8117   | Nodular sclerosis classical Hodgkin lymphoma, spleen   |
| 9    | C8118   | Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of multiple sites                    |
| 9    | C8119   | Nodular sclerosis classical Hodgkin lymphoma, extranodal and solid organ sites                 |
| 9    | C8120   | Mixed cellularity classical Hodgkin lymphoma, unspecified site                                 |
| 9    | C8121   | Mixed cellularity classical Hodgkin lymphoma, lymph nodes of head, face, and neck              |
| 9    | C8122   | Mixed cellularity classical Hodgkin lymphoma, intrathoracic lymph nodes                        |
| 9    | C8123   | Mixed cellularity classical Hodgkin lymphoma, intra-abdominal lymph nodes                      |
| 9    | C8124   | Mixed cellularity classical Hodgkin lymphoma, lymph nodes of axilla and upper limb             |
| 9    | C8125   | Mixed cellularity classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb    |
| 9    | C8126   | Mixed cellularity classical Hodgkin lymphoma, intrapelvic lymph nodes                          |
| 9    | C8127   | Mixed cellularity classical Hodgkin lymphoma, spleen   |
| 9    | C8128   | Mixed cellularity classical Hodgkin lymphoma, lymph nodes of multiple sites                    |
| 9    | C8129   | Mixed cellularity classical Hodgkin lymphoma, extranodal and solid organ sites                 |
| 9    | C8130   | Lymphocyte depleted classical Hodgkin lymphoma, unspecified site                               |
| 9    | C8131   | Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of head, face, and neck            |
| 9    | C8132   | Lymphocyte depleted classical Hodgkin lymphoma, intrathoracic lymph nodes                      |
| 9    | C8133   | Lymphocyte depleted classical Hodgkin lymphoma, intra-abdominal lymph nodes                    |
| 9    | C8134   | Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of axilla and upper limb           |
| 9    | C8135   | Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb  |
| 9    | C8136   | Lymphocyte depleted classical Hodgkin lymphoma, intrapelvic lymph nodes                        |
| 9    | C8137   | Lymphocyte depleted classical Hodgkin lymphoma, spleen   |
| 9    | C8138   | Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of multiple sites                  |
| 9    | C8139   | Lymphocyte depleted classical Hodgkin lymphoma, extranodal and solid organ sites               |
| 9    | C8140   | Lymphocyte-rich classical Hodgkin lymphoma, unspecified site                                   |
| 9    | C8141   | Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of head, face, and neck                |
| 9    | C8142   | Lymphocyte-rich classical Hodgkin lymphoma, intrathoracic lymph nodes                          |
| 9    | C8143   | Lymphocyte-rich classical Hodgkin lymphoma, intra-abdominal lymph nodes                        |
| 9    | C8144   | Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of axilla and upper limb               |
| 9    | C8145   | Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb      |
| 9    | C8146   | Lymphocyte-rich classical Hodgkin lymphoma, intrapelvic lymph nodes                            |
| 9    | C8147   | Lymphocyte-rich classical Hodgkin lymphoma, spleen   |
| 9    | C8148   | Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of multiple sites                      |
| 9    | C8149   | Lymphocyte-rich classical Hodgkin lymphoma, extranodal and solid organ sites                   |
| 9    | C8170   | Other classical Hodgkin lymphoma, unspecified site   |
| 9    | C8171   | Other classical Hodgkin lymphoma, lymph nodes of head, face, and neck                          |
| 9    | C8172   | Other classical Hodgkin lymphoma, intrathoracic lymph nodes                                    |
| 9    | C8173   | Other classical Hodgkin lymphoma, intra-abdominal lymph nodes                                  |
| 9    | C8174   | Other classical Hodgkin lymphoma, lymph nodes of axilla and upper limb                         |
| 9    | C8175   | Other classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb                |
| 9    | C8176   | Other classical Hodgkin lymphoma, intrapelvic lymph nodes                                      |
| 9    | C8177   | Other classical Hodgkin lymphoma, spleen   |
| 9    | C8178   | Other classical Hodgkin lymphoma, lymph nodes of multiple sites                                |
| 9    | C8179   | Other classical Hodgkin lymphoma, extranodal and solid organ sites                             |
| 9    | C8190   | Hodgkin lymphoma, unspecified, unspecified site  |
| 9    | C8191   | Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck                             |
| 9    | C8192   | Hodgkin lymphoma, unspecified, intrathoracic lymph nodes                                       |
| 9    | C8193   | Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes                                     |
| 9    | C8194   | Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb                            |
| 9    | C8195   | Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb                   |
| 9    | C8196   | Hodgkin lymphoma, unspecified, intrapelvic lymph nodes   |
| 9    | C8197   | Hodgkin lymphoma, unspecified, spleen  |
| 9    | C8198   | Hodgkin lymphoma, unspecified, lymph nodes of multiple sites                                   |
| 9    | C8199   | Hodgkin lymphoma, unspecified, extranodal and solid organ sites                                |
| 9    | C8200   | Follicular lymphoma grade I, unspecified site  |
| 9    | C8201   | Follicular lymphoma grade I, lymph nodes of head, face, and neck                               |
| 9    | C8202   | Follicular lymphoma grade I, intrathoracic lymph nodes   |
| 9    | C8203   | Follicular lymphoma grade I, intra-abdominal lymph nodes                                       |
| 9    | C8204   | Follicular lymphoma grade I, lymph nodes of axilla and upper limb                              |
| 9    | C8205   | Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb                     |
| 9    | C8206   | Follicular lymphoma grade I, intrapelvic lymph nodes   |
| 9    | C8207   | Follicular lymphoma grade I, spleen  |
| 9    | C8208   | Follicular lymphoma grade I, lymph nodes of multiple sites                                     |
| 9    | C8209   | Follicular lymphoma grade I, extranodal and solid organ sites                                  |
| 9    | C8210   | Follicular lymphoma grade II, unspecified site   |
| 9    | C8211   | Follicular lymphoma grade II, lymph nodes of head, face, and neck                              |
| 9    | C8212   | Follicular lymphoma grade II, intrathoracic lymph nodes  |
| 9    | C8213   | Follicular lymphoma grade II, intra-abdominal lymph nodes                                      |
| 9    | C8214   | Follicular lymphoma grade II, lymph nodes of axilla and upper limb                             |
| 9    | C8215   | Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb                    |
| 9    | C8216   | Follicular lymphoma grade II, intrapelvic lymph nodes  |
| 9    | C8217   | Follicular lymphoma grade II, spleen   |
| 9    | C8218   | Follicular lymphoma grade II, lymph nodes of multiple sites                                    |
| 9    | C8219   | Follicular lymphoma grade II, extranodal and solid organ sites                                 |
| 9    | C8220   | Follicular lymphoma grade III, unspecified, unspecified site                                   |
| 9    | C8221   | Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck                |
| 9    | C8222   | Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes                          |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 9    | C8223   | C8223 Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes                   |
| 9    | C8224   | C8224 Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb          |
| 9    | C8225   | C8225 Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb |
| 9    | C8226   | C8226 Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes                       |
| 9    | C8227   | C8227 Follicular lymphoma grade III, unspecified, spleen  |
| 9    | C8228   | C8228 Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites                 |
| 9    | C8229   | C8229 Follicular lymphoma grade III, unspecified, extranodal and solid organ sites              |
| 9    | C8230   | C8230 Follicular lymphoma grade IIIa, unspecified site  |
| 9    | C8231   | C8231 Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck                       |
| 9    | C8232   | C8232 Follicular lymphoma grade IIIa, intrathoracic lymph nodes                                 |
| 9    | C8233   | C8233 Follicular lymphoma grade IIIa, intra-abdominal lymph nodes                               |
| 9    | C8234   | C8234 Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb                      |
| 9    | C8235   | C8235 Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb             |
| 9    | C8236   | C8236 Follicular lymphoma grade IIIa, intrapelvic lymph nodes                                   |
| 9    | C8237   | C8237 Follicular lymphoma grade IIIa, spleen  |
| 9    | C8238   | C8238 Follicular lymphoma grade IIIa, lymph nodes of multiple sites                             |
| 9    | C8239   | C8239 Follicular lymphoma grade IIIa, extranodal and solid organ sites                          |
| 9    | C8240   | C8240 Follicular lymphoma grade IIIb, unspecified site  |
| 9    | C8241   | C8241 Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck                       |
| 9    | C8242   | C8242 Follicular lymphoma grade IIIb, intrathoracic lymph nodes                                 |
| 9    | C8243   | C8243 Follicular lymphoma grade IIIb, intra-abdominal lymph nodes                               |
| 9    | C8244   | C8244 Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb                      |
| 9    | C8245   | C8245 Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb             |
| 9    | C8246   | C8246 Follicular lymphoma grade IIIb, intrapelvic lymph nodes                                   |
| 9    | C8247   | C8247 Follicular lymphoma grade IIIb, spleen  |
| 9    | C8248   | C8248 Follicular lymphoma grade IIIb, lymph nodes of multiple sites                             |
| 9    | C8249   | C8249 Follicular lymphoma grade IIIb, extranodal and solid organ sites                          |
| 9    | C8250   | C8250 Diffuse follicle center lymphoma, unspecified site  |
| 9    | C8251   | C8251 Diffuse follicle center lymphoma, lymph nodes of head, face, and neck                     |
| 9    | C8252   | C8252 Diffuse follicle center lymphoma, intrathoracic lymph nodes                               |
| 9    | C8253   | C8253 Diffuse follicle center lymphoma, intra-abdominal lymph nodes                             |
| 9    | C8254   | C8254 Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb                    |
| 9    | C8255   | C8255 Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb           |
| 9    | C8256   | C8256 Diffuse follicle center lymphoma, intrapelvic lymph nodes                                 |
| 9    | C8257   | C8257 Diffuse follicle center lymphoma, spleen  |
| 9    | C8258   | C8258 Diffuse follicle center lymphoma, lymph nodes of multiple sites                           |
| 9    | C8259   | C8259 Diffuse follicle center lymphoma, extranodal and solid organ sites                        |
| 9    | C8260   | C8260 Cutaneous follicle center lymphoma, unspecified site                                      |
| 9    | C8261   | C8261 Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck                   |
| 9    | C8262   | C8262 Cutaneous follicle center lymphoma, intrathoracic lymph nodes                             |
| 9    | C8263   | C8263 Cutaneous follicle center lymphoma, intra-abdominal lymph nodes                           |
| 9    | C8264   | C8264 Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb                  |
| 9    | C8265   | C8265 Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb         |
| 9    | C8266   | C8266 Cutaneous follicle center lymphoma, intrapelvic lymph nodes                               |
| 9    | C8267   | C8267 Cutaneous follicle center lymphoma, spleen  |
| 9    | C8268   | C8268 Cutaneous follicle center lymphoma, lymph nodes of multiple sites                         |
| 9    | C8269   | C8269 Cutaneous follicle center lymphoma, extranodal and solid organ sites                      |
| 9    | C8280   | C8280 Other types of follicular lymphoma, unspecified site                                      |
| 9    | C8281   | C8281 Other types of follicular lymphoma, lymph nodes of head, face, and neck                   |
| 9    | C8282   | C8282 Other types of follicular lymphoma, intrathoracic lymph nodes                             |
| 9    | C8283   | C8283 Other types of follicular lymphoma, intra-abdominal lymph nodes                           |
| 9    | C8284   | C8284 Other types of follicular lymphoma, lymph nodes of axilla and upper limb                  |
| 9    | C8285   | C8285 Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb         |
| 9    | C8286   | C8286 Other types of follicular lymphoma, intrapelvic lymph nodes                               |
| 9    | C8287   | C8287 Other types of follicular lymphoma, spleen  |
| 9    | C8288   | C8288 Other types of follicular lymphoma, lymph nodes of multiple sites                         |
| 9    | C8289   | C8289 Other types of follicular lymphoma, extranodal and solid organ sites                      |
| 9    | C8290   | C8290 Follicular lymphoma, unspecified, unspecified site  |
| 9    | C8291   | C8291 Follicular lymphoma, unspecified, lymph nodes of head, face, and neck                     |
| 9    | C8292   | C8292 Follicular lymphoma, unspecified, intrathoracic lymph nodes                               |
| 9    | C8293   | C8293 Follicular lymphoma, unspecified, intra-abdominal lymph nodes                             |
| 9    | C8294   | C8294 Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb                    |
| 9    | C8295   | C8295 Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb           |
| 9    | C8296   | C8296 Follicular lymphoma, unspecified, intrapelvic lymph nodes                                 |
| 9    | C8297   | C8297 Follicular lymphoma, unspecified, spleen  |
| 9    | C8298   | C8298 Follicular lymphoma, unspecified, lymph nodes of multiple sites                           |
| 9    | C8299   | C8299 Follicular lymphoma, unspecified, extranodal and solid organ sites                        |
| 9    | C8300   | C8300 Small cell B-cell lymphoma, unspecified site  |
| 9    | C8301   | C8301 Small cell B-cell lymphoma, lymph nodes of head, face, and neck                           |
| 9    | C8302   | C8302 Small cell B-cell lymphoma, intrathoracic lymph nodes                                     |
| 9    | C8303   | C8303 Small cell B-cell lymphoma, intra-abdominal lymph nodes                                   |
| 9    | C8304   | C8304 Small cell B-cell lymphoma, lymph nodes of axilla and upper limb                          |
| 9    | C8305   | C8305 Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb                 |
| 9    | C8306   | C8306 Small cell B-cell lymphoma, intrapelvic lymph nodes                                       |
| 9    | C8307   | C8307 Small cell B-cell lymphoma, spleen  |
| 9    | C8308   | C8308 Small cell B-cell lymphoma, lymph nodes of multiple sites                                 |
| 9    | C8309   | C8309 Small cell B-cell lymphoma, extranodal and solid organ sites                              |
| 9    | C8310   | C8310 Mantle cell lymphoma, unspecified site  |
| 9    | C8311   | C8311 Mantle cell lymphoma, lymph nodes of head, face, and neck                                 |
| 9    | C8312   | C8312 Mantle cell lymphoma, intrathoracic lymph nodes   |
| 9    | C8313   | C8313 Mantle cell lymphoma, intra-abdominal lymph nodes   |
| 9    | C8314   | C8314 Mantle cell lymphoma, lymph nodes of axilla and upper limb                                |
| 9    | C8315   | C8315 Mantle cell lymphoma, lymph nodes of inguinal region and lower limb                       |
| 9    | C8316   | C8316 Mantle cell lymphoma, intrapelvic lymph nodes   |
| 9    | C8317   | C8317 Mantle cell lymphoma, spleen  |
| 9    | C8318   | C8318 Mantle cell lymphoma, lymph nodes of multiple sites                                       |
| 9    | C8319   | C8319 Mantle cell lymphoma, extranodal and solid organ sites                                    |
| 9    | C8330   | C8330 Diffuse large B-cell lymphoma, unspecified site   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 9    | C8331   | C8331 Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck                            |
| 9    | C8332   | C8332 Diffuse large B-cell lymphoma, intrathoracic lymph nodes                                      |
| 9    | C8333   | C8333 Diffuse large B-cell lymphoma, intra-abdominal lymph nodes                                    |
| 9    | C8334   | C8334 Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb                           |
| 9    | C8335   | C8335 Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb                  |
| 9    | C8336   | C8336 Diffuse large B-cell lymphoma, intrapelvic lymph nodes  |
| 9    | C8337   | C8337 Diffuse large B-cell lymphoma, spleen   |
| 9    | C8338   | C8338 Diffuse large B-cell lymphoma, lymph nodes of multiple sites                                  |
| 9    | C8339   | C8339 Diffuse large B-cell lymphoma, extranodal and solid organ sites                               |
| 9    | C8350   | C8350 Lymphoblastic (diffuse) lymphoma, unspecified site  |
| 9    | C8351   | C8351 Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck                         |
| 9    | C8352   | C8352 Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes                                   |
| 9    | C8353   | C8353 Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes                                 |
| 9    | C8354   | C8354 Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb                        |
| 9    | C8355   | C8355 Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb               |
| 9    | C8356   | C8356 Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes                                     |
| 9    | C8357   | C8357 Lymphoblastic (diffuse) lymphoma, spleen  |
| 9    | C8358   | C8358 Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites                               |
| 9    | C8359   | C8359 Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites                            |
| 9    | C8370   | C8370 Burkitt lymphoma, unspecified site  |
| 9    | C8371   | C8371 Burkitt lymphoma, lymph nodes of head, face, and neck   |
| 9    | C8372   | C8372 Burkitt lymphoma, intrathoracic lymph nodes   |
| 9    | C8373   | C8373 Burkitt lymphoma, intra-abdominal lymph nodes   |
| 9    | C8374   | C8374 Burkitt lymphoma, lymph nodes of axilla and upper limb  |
| 9    | C8375   | C8375 Burkitt lymphoma, lymph nodes of inguinal region and lower limb                               |
| 9    | C8376   | C8376 Burkitt lymphoma, intrapelvic lymph nodes   |
| 9    | C8377   | C8377 Burkitt lymphoma, spleen  |
| 9    | C8378   | C8378 Burkitt lymphoma, lymph nodes of multiple sites   |
| 9    | C8379   | C8379 Burkitt lymphoma, extranodal and solid organ sites  |
| 9    | C8380   | C8380 Other non-follicular lymphoma, unspecified site   |
| 9    | C8381   | C8381 Other non-follicular lymphoma, lymph nodes of head, face, and neck                            |
| 9    | C8382   | C8382 Other non-follicular lymphoma, intrathoracic lymph nodes                                      |
| 9    | C8383   | C8383 Other non-follicular lymphoma, intra-abdominal lymph nodes                                    |
| 9    | C8384   | C8384 Other non-follicular lymphoma, lymph nodes of axilla and upper limb                           |
| 9    | C8385   | C8385 Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb                  |
| 9    | C8386   | C8386 Other non-follicular lymphoma, intrapelvic lymph nodes  |
| 9    | C8387   | C8387 Other non-follicular lymphoma, spleen   |
| 9    | C8388   | C8388 Other non-follicular lymphoma, lymph nodes of multiple sites                                  |
| 9    | C8389   | C8389 Other non-follicular lymphoma, extranodal and solid organ sites                               |
| 9    | C8390   | C8390 Non-follicular (diffuse) lymphoma, unspecified, unspecified site                              |
| 9    | C8391   | C8391 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck           |
| 9    | C8392   | C8392 Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes                     |
| 9    | C8393   | C8393 Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes                   |
| 9    | C8394   | C8394 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb          |
| 9    | C8395   | C8395 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb |
| 9    | C8396   | C8396 Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes                       |
| 9    | C8397   | C8397 Non-follicular (diffuse) lymphoma, unspecified, spleen  |
| 9    | C8398   | C8398 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites                 |
| 9    | C8399   | C8399 Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites              |
| 9    | C8400   | C8400 Mycosis fungoides, unspecified site   |
| 9    | C8401   | C8401 Mycosis fungoides, lymph nodes of head, face, and neck  |
| 9    | C8402   | C8402 Mycosis fungoides, intrathoracic lymph nodes  |
| 9    | C8403   | C8403 Mycosis fungoides, intra-abdominal lymph nodes  |
| 9    | C8404   | C8404 Mycosis fungoides, lymph nodes of axilla and upper limb                                       |
| 9    | C8405   | C8405 Mycosis fungoides, lymph nodes of inguinal region and lower limb                              |
| 9    | C8406   | C8406 Mycosis fungoides, intrapelvic lymph nodes  |
| 9    | C8407   | C8407 Mycosis fungoides, spleen   |
| 9    | C8408   | C8408 Mycosis fungoides, lymph nodes of multiple sites  |
| 9    | C8409   | C8409 Mycosis fungoides, extranodal and solid organ sites   |
| 9    | C8410   | C8410 Sezary disease, unspecified site  |
| 9    | C8411   | C8411 Sezary disease, lymph nodes of head, face, and neck   |
| 9    | C8412   | C8412 Sezary disease, intrathoracic lymph nodes   |
| 9    | C8413   | C8413 Sezary disease, intra-abdominal lymph nodes   |
| 9    | C8414   | C8414 Sezary disease, lymph nodes of axilla and upper limb  |
| 9    | C8415   | C8415 Sezary disease, lymph nodes of inguinal region and lower limb                                 |
| 9    | C8416   | C8416 Sezary disease, intrapelvic lymph nodes   |
| 9    | C8417   | C8417 Sezary disease, spleen  |
| 9    | C8418   | C8418 Sezary disease, lymph nodes of multiple sites   |
| 9    | C8419   | C8419 Sezary disease, extranodal and solid organ sites  |
| 9    | C8440   | C8440 Peripheral T-cell lymphoma, not classified, unspecified site                                  |
| 9    | C8441   | C8441 Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck               |
| 9    | C8442   | C8442 Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes                         |
| 9    | C8443   | C8443 Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes                       |
| 9    | C8444   | C8444 Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb              |
| 9    | C8445   | C8445 Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb     |
| 9    | C8446   | C8446 Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes                           |
| 9    | C8447   | C8447 Peripheral T-cell lymphoma, not classified, spleen  |
| 9    | C8448   | C8448 Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites                     |
| 9    | C8449   | C8449 Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites                  |
| 9    | C8460   | C8460 Anaplastic large cell lymphoma, ALK-positive, unspecified site                                |
| 9    | C8461   | C8461 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck             |
| 9    | C8462   | C8462 Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes                       |
| 9    | C8463   | C8463 Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes                     |
| 9    | C8464   | C8464 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb            |
| 9    | C8465   | C8465 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb   |
| 9    | C8466   | C8466 Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes                         |
| 9    | C8467   | C8467 Anaplastic large cell lymphoma, ALK-positive, spleen  |
| 9    | C8468   | C8468 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites                   |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 9    | C8469   | C8469 Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites               |
| 9    | C8470   | C8470 Anaplastic large cell lymphoma, ALK-negative, unspecified site                               |
| 9    | C8471   | C8471 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck            |
| 9    | C8472   | C8472 Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes                      |
| 9    | C8473   | C8473 Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes                    |
| 9    | C8474   | C8474 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb           |
| 9    | C8475   | C8475 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb  |
| 9    | C8476   | C8476 Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes                        |
| 9    | C8477   | C8477 Anaplastic large cell lymphoma, ALK-negative, spleen   |
| 9    | C8478   | C8478 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites                  |
| 9    | C8479   | C8479 Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites               |
| 9    | C8490   | C8490 Mature T/NK-cell lymphomas, unspecified, unspecified site                                    |
| 9    | C8491   | C8491 Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck                 |
| 9    | C8492   | C8492 Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes                           |
| 9    | C8493   | C8493 Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes                         |
| 9    | C8494   | C8494 Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb                |
| 9    | C8495   | C8495 Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb       |
| 9    | C8496   | C8496 Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes                             |
| 9    | C8497   | C8497 Mature T/NK-cell lymphomas, unspecified, spleen  |
| 9    | C8498   | C8498 Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites                       |
| 9    | C8499   | C8499 Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites                    |
| 9    | C84A0   | C84A0 Cutaneous T-cell lymphoma, unspecified, unspecified site                                     |
| 9    | C84A1   | C84A1 Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck                   |
| 9    | C84A2   | C84A2 Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes                            |
| 9    | C84A3   | C84A3 Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes                          |
| 9    | C84A4   | C84A4 Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb                 |
| 9    | C84A5   | C84A5 Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb        |
| 9    | C84A6   | C84A6 Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes                              |
| 9    | C84A7   | C84A7 Cutaneous T-cell lymphoma, unspecified, spleen   |
| 9    | C84A8   | C84A8 Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites                        |
| 9    | C84A9   | C84A9 Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites                     |
| 9    | C8420   | C8420 Other mature T/NK-cell lymphomas, unspecified site   |
| 9    | C8421   | C8421 Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck                        |
| 9    | C8422   | C8422 Other mature T/NK-cell lymphomas, intrathoracic lymph nodes                                  |
| 9    | C8423   | C8423 Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes                                |
| 9    | C8424   | C8424 Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb                       |
| 9    | C8425   | C8425 Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb              |
| 9    | C8426   | C8426 Other mature T/NK-cell lymphomas, intrapelvic lymph nodes                                    |
| 9    | C8427   | C8427 Other mature T/NK-cell lymphomas, spleen   |
| 9    | C8428   | C8428 Other mature T/NK-cell lymphomas, lymph nodes of multiple sites                              |
| 9    | C8429   | C8429 Other mature T/NK-cell lymphomas, extranodal and solid organ sites                           |
| 9    | C8510   | C8510 Unspecified B-cell lymphoma, unspecified site  |
| 9    | C8511   | C8511 Unspecified B-cell lymphoma, lymph nodes of head, face, and neck                             |
| 9    | C8512   | C8512 Unspecified B-cell lymphoma, intrathoracic lymph nodes                                       |
| 9    | C8513   | C8513 Unspecified B-cell lymphoma, intra-abdominal lymph nodes                                     |
| 9    | C8514   | C8514 Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb                            |
| 9    | C8515   | C8515 Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb                   |
| 9    | C8516   | C8516 Unspecified B-cell lymphoma, intrapelvic lymph nodes   |
| 9    | C8517   | C8517 Unspecified B-cell lymphoma, spleen  |
| 9    | C8518   | C8518 Unspecified B-cell lymphoma, lymph nodes of multiple sites                                   |
| 9    | C8519   | C8519 Unspecified B-cell lymphoma, extranodal and solid organ sites                                |
| 9    | C8520   | C8520 Mediastinal (thymic) large B-cell lymphoma, unspecified site                                 |
| 9    | C8521   | C8521 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck              |
| 9    | C8522   | C8522 Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes                        |
| 9    | C8523   | C8523 Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes                      |
| 9    | C8524   | C8524 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb             |
| 9    | C8525   | C8525 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb    |
| 9    | C8526   | C8526 Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes                          |
| 9    | C8527   | C8527 Mediastinal (thymic) large B-cell lymphoma, spleen   |
| 9    | C8528   | C8528 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites                    |
| 9    | C8529   | C8529 Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites                 |
| 9    | C8580   | C8580 Other specified types of non-Hodgkin lymphoma, unspecified site                              |
| 9    | C8581   | C8581 Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck           |
| 9    | C8582   | C8582 Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes                     |
| 9    | C8583   | C8583 Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes                   |
| 9    | C8584   | C8584 Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb          |
| 9    | C8585   | C8585 Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb |
| 9    | C8586   | C8586 Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes                       |
| 9    | C8587   | C8587 Other specified types of non-Hodgkin lymphoma, spleen  |
| 9    | C8588   | C8588 Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites                 |
| 9    | C8589   | C8589 Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites              |
| 9    | C8590   | C8590 Non-Hodgkin lymphoma, unspecified, unspecified site  |
| 9    | C8591   | C8591 Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck                       |
| 9    | C8592   | C8592 Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes                                 |
| 9    | C8593   | C8593 Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes                               |
| 9    | C8594   | C8594 Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb                      |
| 9    | C8595   | C8595 Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb             |
| 9    | C8596   | C8596 Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes                                   |
| 9    | C8597   | C8597 Non-Hodgkin lymphoma, unspecified, spleen  |
| 9    | C8598   | C8598 Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites                             |
| 9    | C8599   | C8599 Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites                          |
| 9    | C860    | C860 Extranodal NK/T-cell lymphoma, nasal type   |
| 9    | C861    | C861 Hepatosplenic T-cell lymphoma   |
| 9    | C862    | C862 Enteropathy-type (intestinal) T-cell lymphoma   |
| 9    | C863    | C863 Subcutaneous panniculitis-like T-cell lymphoma  |
| 9    | C864    | C864 Blastic NK-cell lymphoma  |
| 9    | C865    | C865 Angioimmunoblastic T-cell lymphoma  |
| 9    | C866    | C866 Primary cutaneous CD30-positive T-cell proliferations   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 9           | C882           | C882 Heavy chain disease   |
| 9           | C883           | C883 Immunoproliferative small intestinal disease  |
| 9           | C884           | C884 Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma] |
| 9           | C888           | C888 Other malignant immunoproliferative diseases  |
| 9           | C889           | C889 Malignant immunoproliferative disease, unspecified  |
| 9           | C9000          | C9000 Multiple myeloma not having achieved remission   |
| 9           | C9001          | C9001 Multiple myeloma in remission  |
| 9           | C9010          | C9010 Plasma cell leukemia not having achieved remission   |
| 9           | C9011          | C9011 Plasma cell leukemia in remission  |
| 9           | C9020          | C9020 Extramedullary plasmacytoma not having achieved remission                                    |
| 9           | C9021          | C9021 Extramedullary plasmacytoma in remission   |
| 9           | C9030          | C9030 Solitary plasmacytoma not having achieved remission  |
| 9           | C9031          | C9031 Solitary plasmacytoma in remission   |
| 9           | C9110          | C9110 Chronic lymphocytic leukemia of B-cell type not having achieved remission                    |
| 9           | C9111          | C9111 Chronic lymphocytic leukemia of B-cell type in remission                                     |
| 9           | C9130          | C9130 Prolymphocytic leukemia of B-cell type not having achieved remission                         |
| 9           | C9131          | C9131 Prolymphocytic leukemia of B-cell type, in remission   |
| 9           | C9140          | C9140 Hairy cell leukemia not having achieved remission  |
| 9           | C9141          | C9141 Hairy cell leukemia, in remission  |
| 9           | C9142          | C9142 Hairy cell leukemia, in relapse  |
| 9           | C9150          | C9150 Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission             |
| 9           | C9151          | C9151 Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission                             |
| 9           | C9160          | C9160 Prolymphocytic leukemia of T-cell type not having achieved remission                         |
| 9           | C9161          | C9161 Prolymphocytic leukemia of T-cell type, in remission   |
| 9           | C9190          | C9190 Lymphoid leukemia, unspecified not having achieved remission                                 |
| 9           | C9191          | C9191 Lymphoid leukemia, unspecified, in remission   |
| 9           | C91A0          | C91A0 Mature B-cell leukemia Burkitt-type not having achieved remission                            |
| 9           | C91A1          | C91A1 Mature B-cell leukemia Burkitt-type, in remission  |
| 9           | C9120          | C9120 Other lymphoid leukemia not having achieved remission  |
| 9           | C9121          | C9121 Other lymphoid leukemia, in remission  |
| 9           | C9510          | C9510 Chronic leukemia of unspecified cell type not having achieved remission                      |
| 9           | C9511          | C9511 Chronic leukemia of unspecified cell type, in remission                                      |
| 9           | C9590          | C9590 Leukemia, unspecified not having achieved remission  |
| 9           | C9591          | C9591 Leukemia, unspecified, in remission  |
| 9           | C960           | C960 Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis                     |
| 9           | C962           | C962 Malignant mast cell tumor   |
| 9           | C964           | C964 Sarcoma of dendritic cells (accessory cells)  |
| 9           | C969           | C969 Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified                 |
| 9           | C96A           | C96A Histiocytic sarcoma   |
| 9           | C96Z           | C96Z Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue             |
| 10          | C180           | C180 Malignant neoplasm of cecum   |
| 10          | C181           | C181 Malignant neoplasm of appendix  |
| 10          | C182           | C182 Malignant neoplasm of ascending colon   |
| 10          | C183           | C183 Malignant neoplasm of hepatic flexure   |
| 10          | C184           | C184 Malignant neoplasm of transverse colon  |
| 10          | C185           | C185 Malignant neoplasm of splenic flexure   |
| 10          | C186           | C186 Malignant neoplasm of descending colon  |
| 10          | C187           | C187 Malignant neoplasm of sigmoid colon   |
| 10          | C188           | C188 Malignant neoplasm of overlapping sites of colon  |
| 10          | C189           | C189 Malignant neoplasm of colon, unspecified  |
| 10          | C19            | C19 Malignant neoplasm of rectosigmoid junction  |
| 10          | C20            | C20 Malignant neoplasm of rectum   |
| 10          | C210           | C210 Malignant neoplasm of anus, unspecified   |
| 10          | C211           | C211 Malignant neoplasm of anal canal  |
| 10          | C212           | C212 Malignant neoplasm of cloacogenic zone  |
| 10          | C218           | C218 Malignant neoplasm of overlapping sites of rectum, anus and anal canal                        |
| 10          | C260           | C260 Malignant neoplasm of intestinal tract, part unspecified                                      |
| 10          | C261           | C261 Malignant neoplasm of spleen  |
| 10          | C269           | C269 Malignant neoplasm of ill-defined sites within the digestive system                           |
| 10          | C430           | C430 Malignant melanoma of lip   |
| 10          | C4310          | C4310 Malignant melanoma of unspecified eyelid, including canthus                                  |
| 10          | C4311          | C4311 Malignant melanoma of right eyelid, including canthus  |
| 10          | C4312          | C4312 Malignant melanoma of left eyelid, including canthus   |
| 10          | C4320          | C4320 Malignant melanoma of unspecified ear and external auricular canal                           |
| 10          | C4321          | C4321 Malignant melanoma of right ear and external auricular canal                                 |
| 10          | C4322          | C4322 Malignant melanoma of left ear and external auricular canal                                  |
| 10          | C4330          | C4330 Malignant melanoma of unspecified part of face   |
| 10          | C4331          | C4331 Malignant melanoma of nose   |
| 10          | C4339          | C4339 Malignant melanoma of other parts of face  |
| 10          | C434           | C434 Malignant melanoma of scalp and neck  |
| 10          | C4351          | C4351 Malignant melanoma of anal skin  |
| 10          | C4352          | C4352 Malignant melanoma of skin of breast   |
| 10          | C4359          | C4359 Malignant melanoma of other part of trunk  |
| 10          | C4360          | C4360 Malignant melanoma of unspecified upper limb, including shoulder                             |
| 10          | C4361          | C4361 Malignant melanoma of right upper limb, including shoulder                                   |
| 10          | C4362          | C4362 Malignant melanoma of left upper limb, including shoulder                                    |
| 10          | C4370          | C4370 Malignant melanoma of unspecified lower limb, including hip                                  |
| 10          | C4371          | C4371 Malignant melanoma of right lower limb, including hip  |
| 10          | C4372          | C4372 Malignant melanoma of left lower limb, including hip   |
| 10          | C438           | C438 Malignant melanoma of overlapping sites of skin   |
| 10          | C439           | C439 Malignant melanoma of skin, unspecified   |
| 10          | C457           | C457 Mesothelioma of other sites   |
| 10          | C459           | C459 Mesothelioma, unspecified   |
| 10          | C50011         | C50011 Malignant neoplasm of nipple and areola, right female breast                                |
| 10          | C50012         | C50012 Malignant neoplasm of nipple and areola, left female breast                                 |
| 10          | C50019         | C50019 Malignant neoplasm of nipple and areola, unspecified female breast                          |
| 10          | C50021         | C50021 Malignant neoplasm of nipple and areola, right male breast                                  |
| 10          | C50022         | C50022 Malignant neoplasm of nipple and areola, left male breast                                   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 10   | C50029  | C50029 Malignant neoplasm of nipple and areola, unspecified male breast                      |
| 10   | C50111  | C50111 Malignant neoplasm of central portion of right female breast                          |
| 10   | C50112  | C50112 Malignant neoplasm of central portion of left female breast                           |
| 10   | C50119  | C50119 Malignant neoplasm of central portion of unspecified female breast                    |
| 10   | C50121  | C50121 Malignant neoplasm of central portion of right male breast                            |
| 10   | C50122  | C50122 Malignant neoplasm of central portion of left male breast                             |
| 10   | C50129  | C50129 Malignant neoplasm of central portion of unspecified male breast                      |
| 10   | C50211  | C50211 Malignant neoplasm of upper-inner quadrant of right female breast                     |
| 10   | C50212  | C50212 Malignant neoplasm of upper-inner quadrant of left female breast                      |
| 10   | C50219  | C50219 Malignant neoplasm of upper-inner quadrant of unspecified female breast               |
| 10   | C50221  | C50221 Malignant neoplasm of upper-inner quadrant of right male breast                       |
| 10   | C50222  | C50222 Malignant neoplasm of upper-inner quadrant of left male breast                        |
| 10   | C50229  | C50229 Malignant neoplasm of upper-inner quadrant of unspecified male breast                 |
| 10   | C50311  | C50311 Malignant neoplasm of lower-inner quadrant of right female breast                     |
| 10   | C50312  | C50312 Malignant neoplasm of lower-inner quadrant of left female breast                      |
| 10   | C50319  | C50319 Malignant neoplasm of lower-inner quadrant of unspecified female breast               |
| 10   | C50321  | C50321 Malignant neoplasm of lower-inner quadrant of right male breast                       |
| 10   | C50322  | C50322 Malignant neoplasm of lower-inner quadrant of left male breast                        |
| 10   | C50329  | C50329 Malignant neoplasm of lower-inner quadrant of unspecified male breast                 |
| 10   | C50411  | C50411 Malignant neoplasm of upper-outer quadrant of right female breast                     |
| 10   | C50412  | C50412 Malignant neoplasm of upper-outer quadrant of left female breast                      |
| 10   | C50419  | C50419 Malignant neoplasm of upper-outer quadrant of unspecified female breast               |
| 10   | C50421  | C50421 Malignant neoplasm of upper-outer quadrant of right male breast                       |
| 10   | C50422  | C50422 Malignant neoplasm of upper-outer quadrant of left male breast                        |
| 10   | C50429  | C50429 Malignant neoplasm of upper-outer quadrant of unspecified male breast                 |
| 10   | C50511  | C50511 Malignant neoplasm of lower-outer quadrant of right female breast                     |
| 10   | C50512  | C50512 Malignant neoplasm of lower-outer quadrant of left female breast                      |
| 10   | C50519  | C50519 Malignant neoplasm of lower-outer quadrant of unspecified female breast               |
| 10   | C50521  | C50521 Malignant neoplasm of lower-outer quadrant of right male breast                       |
| 10   | C50522  | C50522 Malignant neoplasm of lower-outer quadrant of left male breast                        |
| 10   | C50529  | C50529 Malignant neoplasm of lower-outer quadrant of unspecified male breast                 |
| 10   | C50611  | C50611 Malignant neoplasm of axillary tail of right female breast                            |
| 10   | C50612  | C50612 Malignant neoplasm of axillary tail of left female breast                             |
| 10   | C50619  | C50619 Malignant neoplasm of axillary tail of unspecified female breast                      |
| 10   | C50621  | C50621 Malignant neoplasm of axillary tail of right male breast                              |
| 10   | C50622  | C50622 Malignant neoplasm of axillary tail of left male breast                               |
| 10   | C50629  | C50629 Malignant neoplasm of axillary tail of unspecified male breast                        |
| 10   | C50811  | C50811 Malignant neoplasm of overlapping sites of right female breast                        |
| 10   | C50812  | C50812 Malignant neoplasm of overlapping sites of left female breast                         |
| 10   | C50819  | C50819 Malignant neoplasm of overlapping sites of unspecified female breast                  |
| 10   | C50821  | C50821 Malignant neoplasm of overlapping sites of right male breast                          |
| 10   | C50822  | C50822 Malignant neoplasm of overlapping sites of left male breast                           |
| 10   | C50829  | C50829 Malignant neoplasm of overlapping sites of unspecified male breast                    |
| 10   | C50911  | C50911 Malignant neoplasm of unspecified site of right female breast                         |
| 10   | C50912  | C50912 Malignant neoplasm of unspecified site of left female breast                          |
| 10   | C50919  | C50919 Malignant neoplasm of unspecified site of unspecified female breast                   |
| 10   | C50921  | C50921 Malignant neoplasm of unspecified site of right male breast                           |
| 10   | C50922  | C50922 Malignant neoplasm of unspecified site of left male breast                            |
| 10   | C50929  | C50929 Malignant neoplasm of unspecified site of unspecified male breast                     |
| 10   | C510    | C510 Malignant neoplasm of labium majus  |
| 10   | C511    | C511 Malignant neoplasm of labium minus  |
| 10   | C512    | C512 Malignant neoplasm of clitoris  |
| 10   | C518    | C518 Malignant neoplasm of overlapping sites of vulva  |
| 10   | C519    | C519 Malignant neoplasm of vulva, unspecified  |
| 10   | C52     | C52 Malignant neoplasm of vagina   |
| 10   | C530    | C530 Malignant neoplasm of endocervix  |
| 10   | C531    | C531 Malignant neoplasm of exocervix   |
| 10   | C538    | C538 Malignant neoplasm of overlapping sites of cervix uteri                                 |
| 10   | C539    | C539 Malignant neoplasm of cervix uteri, unspecified   |
| 10   | C540    | C540 Malignant neoplasm of isthmus uteri   |
| 10   | C541    | C541 Malignant neoplasm of endometrium   |
| 10   | C542    | C542 Malignant neoplasm of myometrium  |
| 10   | C543    | C543 Malignant neoplasm of fundus uteri  |
| 10   | C548    | C548 Malignant neoplasm of overlapping sites of corpus uteri                                 |
| 10   | C549    | C549 Malignant neoplasm of corpus uteri, unspecified   |
| 10   | C55     | C55 Malignant neoplasm of uterus, part unspecified   |
| 10   | C577    | C577 Malignant neoplasm of other specified female genital organs                             |
| 10   | C578    | C578 Malignant neoplasm of overlapping sites of female genital organs                        |
| 10   | C579    | C579 Malignant neoplasm of female genital organ, unspecified                                 |
| 10   | C600    | C600 Malignant neoplasm of prepuce   |
| 10   | C601    | C601 Malignant neoplasm of glans penis   |
| 10   | C602    | C602 Malignant neoplasm of body of penis   |
| 10   | C608    | C608 Malignant neoplasm of overlapping sites of penis  |
| 10   | C609    | C609 Malignant neoplasm of penis, unspecified  |
| 10   | C61     | C61 Malignant neoplasm of prostate   |
| 10   | C6200   | C6200 Malignant neoplasm of unspecified undescended testis                                   |
| 10   | C6201   | C6201 Malignant neoplasm of undescended right testis   |
| 10   | C6202   | C6202 Malignant neoplasm of undescended left testis  |
| 10   | C6210   | C6210 Malignant neoplasm of unspecified descended testis                                     |
| 10   | C6211   | C6211 Malignant neoplasm of descended right testis   |
| 10   | C6212   | C6212 Malignant neoplasm of descended left testis  |
| 10   | C6290   | C6290 Malignant neoplasm of unspecified testis, unspecified whether descended or undescended |
| 10   | C6291   | C6291 Malignant neoplasm of right testis, unspecified whether descended or undescended       |
| 10   | C6292   | C6292 Malignant neoplasm of left testis, unspecified whether descended or undescended        |
| 10   | C6300   | C6300 Malignant neoplasm of unspecified epididymis   |
| 10   | C6301   | C6301 Malignant neoplasm of right epididymis   |
| 10   | C6302   | C6302 Malignant neoplasm of left epididymis  |
| 10   | C6310   | C6310 Malignant neoplasm of unspecified spermatic cord                                       |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 10   | C6311   | C6311 Malignant neoplasm of right spermatic cord                            |
| 10   | C6312   | C6312 Malignant neoplasm of left spermatic cord                             |
| 10   | C632    | C632 Malignant neoplasm of scrotum  |
| 10   | C637    | C637 Malignant neoplasm of other specified male genital organs              |
| 10   | C638    | C638 Malignant neoplasm of overlapping sites of male genital organs         |
| 10   | C639    | C639 Malignant neoplasm of male genital organ, unspecified                  |
| 10   | C641    | C641 Malignant neoplasm of right kidney, except renal pelvis                |
| 10   | C642    | C642 Malignant neoplasm of left kidney, except renal pelvis                 |
| 10   | C649    | C649 Malignant neoplasm of unspecified kidney, except renal pelvis          |
| 10   | C651    | C651 Malignant neoplasm of right renal pelvis                               |
| 10   | C652    | C652 Malignant neoplasm of left renal pelvis                                |
| 10   | C659    | C659 Malignant neoplasm of unspecified renal pelvis                         |
| 10   | C661    | C661 Malignant neoplasm of right ureter                                     |
| 10   | C662    | C662 Malignant neoplasm of left ureter                                      |
| 10   | C669    | C669 Malignant neoplasm of unspecified ureter                               |
| 10   | C670    | C670 Malignant neoplasm of trigone of bladder                               |
| 10   | C671    | C671 Malignant neoplasm of dome of bladder                                  |
| 10   | C672    | C672 Malignant neoplasm of lateral wall of bladder                          |
| 10   | C673    | C673 Malignant neoplasm of anterior wall of bladder                         |
| 10   | C674    | C674 Malignant neoplasm of posterior wall of bladder                        |
| 10   | C675    | C675 Malignant neoplasm of bladder neck                                     |
| 10   | C676    | C676 Malignant neoplasm of ureteric orifice                                 |
| 10   | C677    | C677 Malignant neoplasm of urachus  |
| 10   | C678    | C678 Malignant neoplasm of overlapping sites of bladder                     |
| 10   | C679    | C679 Malignant neoplasm of bladder, unspecified                             |
| 10   | C680    | C680 Malignant neoplasm of urethra  |
| 10   | C681    | C681 Malignant neoplasm of paraurethral glands                              |
| 10   | C688    | C688 Malignant neoplasm of overlapping sites of urinary organs              |
| 10   | C689    | C689 Malignant neoplasm of urinary organ, unspecified                       |
| 10   | C6900   | C6900 Malignant neoplasm of unspecified conjunctiva                         |
| 10   | C6901   | C6901 Malignant neoplasm of right conjunctiva                               |
| 10   | C6902   | C6902 Malignant neoplasm of left conjunctiva                                |
| 10   | C6910   | C6910 Malignant neoplasm of unspecified cornea                              |
| 10   | C6911   | C6911 Malignant neoplasm of right cornea                                    |
| 10   | C6912   | C6912 Malignant neoplasm of left cornea                                     |
| 10   | C6920   | C6920 Malignant neoplasm of unspecified retina                              |
| 10   | C6921   | C6921 Malignant neoplasm of right retina                                    |
| 10   | C6922   | C6922 Malignant neoplasm of left retina                                     |
| 10   | C6930   | C6930 Malignant neoplasm of unspecified choroid                             |
| 10   | C6931   | C6931 Malignant neoplasm of right choroid                                   |
| 10   | C6932   | C6932 Malignant neoplasm of left choroid                                    |
| 10   | C6940   | C6940 Malignant neoplasm of unspecified ciliary body                        |
| 10   | C6941   | C6941 Malignant neoplasm of right ciliary body                              |
| 10   | C6942   | C6942 Malignant neoplasm of left ciliary body                               |
| 10   | C6950   | C6950 Malignant neoplasm of unspecified lacrimal gland and duct             |
| 10   | C6951   | C6951 Malignant neoplasm of right lacrimal gland and duct                   |
| 10   | C6952   | C6952 Malignant neoplasm of left lacrimal gland and duct                    |
| 10   | C6960   | C6960 Malignant neoplasm of unspecified orbit                               |
| 10   | C6961   | C6961 Malignant neoplasm of right orbit                                     |
| 10   | C6962   | C6962 Malignant neoplasm of left orbit                                      |
| 10   | C6980   | C6980 Malignant neoplasm of overlapping sites of unspecified eye and adnexa |
| 10   | C6981   | C6981 Malignant neoplasm of overlapping sites of right eye and adnexa       |
| 10   | C6982   | C6982 Malignant neoplasm of overlapping sites of left eye and adnexa        |
| 10   | C6990   | C6990 Malignant neoplasm of unspecified site of unspecified eye             |
| 10   | C6991   | C6991 Malignant neoplasm of unspecified site of right eye                   |
| 10   | C6992   | C6992 Malignant neoplasm of unspecified site of left eye                    |
| 10   | C73     | C73 Malignant neoplasm of thyroid gland                                     |
| 10   | C750    | C750 Malignant neoplasm of parathyroid gland                                |
| 10   | C754    | C754 Malignant neoplasm of carotid body                                     |
| 10   | C755    | C755 Malignant neoplasm of aortic body and other paraganglia                |
| 10   | C758    | C758 Malignant neoplasm with pluriglandular involvement, unspecified        |
| 10   | C759    | C759 Malignant neoplasm of endocrine gland, unspecified                     |
| 10   | C760    | C760 Malignant neoplasm of head, face and neck                              |
| 10   | C761    | C761 Malignant neoplasm of thorax   |
| 10   | C762    | C762 Malignant neoplasm of abdomen  |
| 10   | C763    | C763 Malignant neoplasm of pelvis   |
| 10   | C7640   | C7640 Malignant neoplasm of unspecified upper limb                          |
| 10   | C7641   | C7641 Malignant neoplasm of right upper limb                                |
| 10   | C7642   | C7642 Malignant neoplasm of left upper limb                                 |
| 10   | C7650   | C7650 Malignant neoplasm of unspecified lower limb                          |
| 10   | C7651   | C7651 Malignant neoplasm of right lower limb                                |
| 10   | C7652   | C7652 Malignant neoplasm of left lower limb                                 |
| 10   | C768    | C768 Malignant neoplasm of other specified ill-defined sites                |
| 10   | C801    | C801 Malignant (primary) neoplasm, unspecified                              |
| 10   | D030    | D030 Melanoma in situ of lip  |
| 10   | D0310   | D0310 Melanoma in situ of unspecified eyelid, including canthus             |
| 10   | D0311   | D0311 Melanoma in situ of right eyelid, including canthus                   |
| 10   | D0312   | D0312 Melanoma in situ of left eyelid, including canthus                    |
| 10   | D0320   | D0320 Melanoma in situ of unspecified ear and external auricular canal      |
| 10   | D0321   | D0321 Melanoma in situ of right ear and external auricular canal            |
| 10   | D0322   | D0322 Melanoma in situ of left ear and external auricular canal             |
| 10   | D0330   | D0330 Melanoma in situ of unspecified part of face                          |
| 10   | D0339   | D0339 Melanoma in situ of other parts of face                               |
| 10   | D034    | D034 Melanoma in situ of scalp and neck                                     |
| 10   | D0351   | D0351 Melanoma in situ of anal skin   |
| 10   | D0352   | D0352 Melanoma in situ of breast (skin) (soft tissue)                       |
| 10   | D0359   | D0359 Melanoma in situ of other part of trunk                               |
| 10   | D0360   | D0360 Melanoma in situ of unspecified upper limb, including shoulder        |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10</b> | <b>ICD10CM_desc</b>   |
|-------------|----------------|--------------|---|
| 10          | D0361          | D0361        | Melanoma in situ of right upper limb, including shoulder                          |
| 10          | D0362          | D0362        | Melanoma in situ of left upper limb, including shoulder                           |
| 10          | D0370          | D0370        | Melanoma in situ of unspecified lower limb, including hip                         |
| 10          | D0371          | D0371        | Melanoma in situ of right lower limb, including hip                               |
| 10          | D0372          | D0372        | Melanoma in situ of left lower limb, including hip                                |
| 10          | D038           | D038         | Melanoma in situ of other sites   |
| 10          | D039           | D039         | Melanoma in situ, unspecified   |
| 10          | D1802          | D1802        | Hemangioma of intracranial structures   |
| 10          | D320           | D320         | Benign neoplasm of cerebral meninges  |
| 10          | D321           | D321         | Benign neoplasm of spinal meninges  |
| 10          | D329           | D329         | Benign neoplasm of meninges, unspecified  |
| 10          | D330           | D330         | Benign neoplasm of brain, supratentorial  |
| 10          | D331           | D331         | Benign neoplasm of brain, infratentorial  |
| 10          | D332           | D332         | Benign neoplasm of brain, unspecified   |
| 10          | D333           | D333         | Benign neoplasm of cranial nerves   |
| 10          | D334           | D334         | Benign neoplasm of spinal cord  |
| 10          | D337           | D337         | Benign neoplasm of other specified parts of central nervous system                |
| 10          | D339           | D339         | Benign neoplasm of central nervous system, unspecified                            |
| 10          | D352           | D352         | Benign neoplasm of pituitary gland  |
| 10          | D353           | D353         | Benign neoplasm of craniopharyngeal duct  |
| 10          | D354           | D354         | Benign neoplasm of pineal gland   |
| 10          | D420           | D420         | Neoplasm of uncertain behavior of cerebral meninges                               |
| 10          | D421           | D421         | Neoplasm of uncertain behavior of spinal meninges                                 |
| 10          | D429           | D429         | Neoplasm of uncertain behavior of meninges, unspecified                           |
| 10          | D430           | D430         | Neoplasm of uncertain behavior of brain, supratentorial                           |
| 10          | D431           | D431         | Neoplasm of uncertain behavior of brain, infratentorial                           |
| 10          | D432           | D432         | Neoplasm of uncertain behavior of brain, unspecified                              |
| 10          | D433           | D433         | Neoplasm of uncertain behavior of cranial nerves                                  |
| 10          | D434           | D434         | Neoplasm of uncertain behavior of spinal cord                                     |
| 10          | D438           | D438         | Neoplasm of uncertain behavior of other specified parts of central nervous system |
| 10          | D439           | D439         | Neoplasm of uncertain behavior of central nervous system, unspecified             |
| 10          | D443           | D443         | Neoplasm of uncertain behavior of pituitary gland                                 |
| 10          | D444           | D444         | Neoplasm of uncertain behavior of craniopharyngeal duct                           |
| 10          | D445           | D445         | Neoplasm of uncertain behavior of pineal gland                                    |
| 10          | D446           | D446         | Neoplasm of uncertain behavior of carotid body                                    |
| 10          | D447           | D447         | Neoplasm of uncertain behavior of aortic body and other paraganglia               |
| 10          | D496           | D496         | Neoplasm of unspecified behavior of brain   |
| 10          | E340           | E340         | Carcinoid syndrome  |
| 10          | Q8500          | Q8500        | Neurofibromatosis, unspecified  |
| 10          | Q8501          | Q8501        | Neurofibromatosis, type 1   |
| 10          | Q8502          | Q8502        | Neurofibromatosis, type 2   |
| 10          | Q851           | Q851         | Tuberous sclerosis  |
| 10          | Q858           | Q858         | Other phakomatoses, not elsewhere classified                                      |
| 10          | Q859           | Q859         | Phakomatosis, unspecified   |
| 11          | D020           | D020         | Carcinoma in situ of larynx   |
| 11          | D021           | D021         | Carcinoma in situ of trachea  |
| 11          | D0220          | D0220        | Carcinoma in situ of unspecified bronchus and lung                                |
| 11          | D0221          | D0221        | Carcinoma in situ of right bronchus and lung                                      |
| 11          | D0222          | D0222        | Carcinoma in situ of left bronchus and lung                                       |
| 11          | D023           | D023         | Carcinoma in situ of other parts of respiratory system                            |
| 11          | D024           | D024         | Carcinoma in situ of respiratory system, unspecified                              |
| 11          | D140           | D140         | Benign neoplasm of middle ear, nasal cavity and accessory sinuses                 |
| 11          | D141           | D141         | Benign neoplasm of larynx   |
| 11          | D142           | D142         | Benign neoplasm of trachea  |
| 11          | D1430          | D1430        | Benign neoplasm of unspecified bronchus and lung                                  |
| 11          | D1431          | D1431        | Benign neoplasm of right bronchus and lung  |
| 11          | D1432          | D1432        | Benign neoplasm of left bronchus and lung   |
| 11          | D144           | D144         | Benign neoplasm of respiratory system, unspecified                                |
| 11          | D150           | D150         | Benign neoplasm of thymus   |
| 11          | D151           | D151         | Benign neoplasm of heart  |
| 11          | D152           | D152         | Benign neoplasm of mediastinum  |
| 11          | D157           | D157         | Benign neoplasm of other specified intrathoracic organs                           |
| 11          | D159           | D159         | Benign neoplasm of intrathoracic organ, unspecified                               |
| 11          | D190           | D190         | Benign neoplasm of mesothelial tissue of pleura                                   |
| 11          | D380           | D380         | Neoplasm of uncertain behavior of larynx  |
| 11          | D381           | D381         | Neoplasm of uncertain behavior of trachea, bronchus and lung                      |
| 11          | D382           | D382         | Neoplasm of uncertain behavior of pleura  |
| 11          | D383           | D383         | Neoplasm of uncertain behavior of mediastinum                                     |
| 11          | D384           | D384         | Neoplasm of uncertain behavior of thymus  |
| 11          | D385           | D385         | Neoplasm of uncertain behavior of other respiratory organs                        |
| 11          | D386           | D386         | Neoplasm of uncertain behavior of respiratory organ, unspecified                  |
| 11          | D491           | D491         | Neoplasm of unspecified behavior of respiratory system                            |
| 12          | D0000          | D0000        | Carcinoma in situ of oral cavity, unspecified site                                |
| 12          | D0001          | D0001        | Carcinoma in situ of labial mucosa and vermilion border                           |
| 12          | D0002          | D0002        | Carcinoma in situ of buccal mucosa  |
| 12          | D0003          | D0003        | Carcinoma in situ of gingiva and edentulous alveolar ridge                        |
| 12          | D0004          | D0004        | Carcinoma in situ of soft palate  |
| 12          | D0005          | D0005        | Carcinoma in situ of hard palate  |
| 12          | D0006          | D0006        | Carcinoma in situ of floor of mouth   |
| 12          | D0007          | D0007        | Carcinoma in situ of tongue   |
| 12          | D0008          | D0008        | Carcinoma in situ of pharynx  |
| 12          | D001           | D001         | Carcinoma in situ of esophagus  |
| 12          | D002           | D002         | Carcinoma in situ of stomach  |
| 12          | D010           | D010         | Carcinoma in situ of colon  |
| 12          | D011           | D011         | Carcinoma in situ of rectosigmoid junction  |
| 12          | D012           | D012         | Carcinoma in situ of rectum   |
| 12          | D013           | D013         | Carcinoma in situ of anus and anal canal  |
| 12          | D0140          | D0140        | Carcinoma in situ of unspecified part of intestine                                |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 12   | D0149   | D0149 Carcinoma in situ of other parts of intestine                              |
| 12   | D015    | D015 Carcinoma in situ of liver, gallbladder and bile ducts                      |
| 12   | D017    | D017 Carcinoma in situ of other specified digestive organs                       |
| 12   | D019    | D019 Carcinoma in situ of digestive organ, unspecified                           |
| 12   | D090    | D090 Carcinoma in situ of bladder  |
| 12   | D0910   | D0910 Carcinoma in situ of unspecified urinary organ                             |
| 12   | D0919   | D0919 Carcinoma in situ of other urinary organs                                  |
| 12   | D100    | D100 Benign neoplasm of lip  |
| 12   | D101    | D101 Benign neoplasm of tongue   |
| 12   | D102    | D102 Benign neoplasm of floor of mouth   |
| 12   | D1030   | D1030 Benign neoplasm of unspecified part of mouth                               |
| 12   | D1039   | D1039 Benign neoplasm of other parts of mouth                                    |
| 12   | D104    | D104 Benign neoplasm of tonsil   |
| 12   | D105    | D105 Benign neoplasm of other parts of oropharynx                                |
| 12   | D106    | D106 Benign neoplasm of nasopharynx  |
| 12   | D107    | D107 Benign neoplasm of hypopharynx  |
| 12   | D109    | D109 Benign neoplasm of pharynx, unspecified                                     |
| 12   | D110    | D110 Benign neoplasm of parotid gland  |
| 12   | D117    | D117 Benign neoplasm of other major salivary glands                              |
| 12   | D119    | D119 Benign neoplasm of major salivary gland, unspecified                        |
| 12   | D120    | D120 Benign neoplasm of cecum  |
| 12   | D121    | D121 Benign neoplasm of appendix   |
| 12   | D122    | D122 Benign neoplasm of ascending colon  |
| 12   | D123    | D123 Benign neoplasm of transverse colon   |
| 12   | D124    | D124 Benign neoplasm of descending colon   |
| 12   | D125    | D125 Benign neoplasm of sigmoid colon  |
| 12   | D126    | D126 Benign neoplasm of colon, unspecified                                       |
| 12   | D127    | D127 Benign neoplasm of rectosigmoid junction                                    |
| 12   | D128    | D128 Benign neoplasm of rectum   |
| 12   | D129    | D129 Benign neoplasm of anus and anal canal                                      |
| 12   | D130    | D130 Benign neoplasm of esophagus  |
| 12   | D131    | D131 Benign neoplasm of stomach  |
| 12   | D132    | D132 Benign neoplasm of duodenum   |
| 12   | D1330   | D1330 Benign neoplasm of unspecified part of small intestine                     |
| 12   | D1339   | D1339 Benign neoplasm of other parts of small intestine                          |
| 12   | D134    | D134 Benign neoplasm of liver  |
| 12   | D135    | D135 Benign neoplasm of extrahepatic bile ducts                                  |
| 12   | D136    | D136 Benign neoplasm of pancreas   |
| 12   | D137    | D137 Benign neoplasm of endocrine pancreas                                       |
| 12   | D139    | D139 Benign neoplasm of ill-defined sites within the digestive system            |
| 12   | D191    | D191 Benign neoplasm of mesothelial tissue of peritoneum                         |
| 12   | D200    | D200 Benign neoplasm of soft tissue of retroperitoneum                           |
| 12   | D201    | D201 Benign neoplasm of soft tissue of peritoneum                                |
| 12   | D3000   | D3000 Benign neoplasm of unspecified kidney                                      |
| 12   | D3001   | D3001 Benign neoplasm of right kidney  |
| 12   | D3002   | D3002 Benign neoplasm of left kidney   |
| 12   | D3010   | D3010 Benign neoplasm of unspecified renal pelvis                                |
| 12   | D3011   | D3011 Benign neoplasm of right renal pelvis                                      |
| 12   | D3012   | D3012 Benign neoplasm of left renal pelvis                                       |
| 12   | D3020   | D3020 Benign neoplasm of unspecified ureter                                      |
| 12   | D3021   | D3021 Benign neoplasm of right ureter  |
| 12   | D3022   | D3022 Benign neoplasm of left ureter   |
| 12   | D303    | D303 Benign neoplasm of bladder  |
| 12   | D304    | D304 Benign neoplasm of urethra  |
| 12   | D308    | D308 Benign neoplasm of other specified urinary organs                           |
| 12   | D309    | D309 Benign neoplasm of urinary organ, unspecified                               |
| 12   | D3701   | D3701 Neoplasm of uncertain behavior of lip                                      |
| 12   | D3702   | D3702 Neoplasm of uncertain behavior of tongue                                   |
| 12   | D37030  | D37030 Neoplasm of uncertain behavior of the parotid salivary glands             |
| 12   | D37031  | D37031 Neoplasm of uncertain behavior of the sublingual salivary glands          |
| 12   | D37032  | D37032 Neoplasm of uncertain behavior of the submandibular salivary glands       |
| 12   | D37039  | D37039 Neoplasm of uncertain behavior of the major salivary glands, unspecified  |
| 12   | D3704   | D3704 Neoplasm of uncertain behavior of the minor salivary glands                |
| 12   | D3705   | D3705 Neoplasm of uncertain behavior of pharynx                                  |
| 12   | D3709   | D3709 Neoplasm of uncertain behavior of other specified sites of the oral cavity |
| 12   | D371    | D371 Neoplasm of uncertain behavior of stomach                                   |
| 12   | D372    | D372 Neoplasm of uncertain behavior of small intestine                           |
| 12   | D373    | D373 Neoplasm of uncertain behavior of appendix                                  |
| 12   | D374    | D374 Neoplasm of uncertain behavior of colon                                     |
| 12   | D375    | D375 Neoplasm of uncertain behavior of rectum                                    |
| 12   | D376    | D376 Neoplasm of uncertain behavior of liver, gallbladder and bile ducts         |
| 12   | D378    | D378 Neoplasm of uncertain behavior of other specified digestive organs          |
| 12   | D379    | D379 Neoplasm of uncertain behavior of digestive organ, unspecified              |
| 12   | D4100   | D4100 Neoplasm of uncertain behavior of unspecified kidney                       |
| 12   | D4101   | D4101 Neoplasm of uncertain behavior of right kidney                             |
| 12   | D4102   | D4102 Neoplasm of uncertain behavior of left kidney                              |
| 12   | D4110   | D4110 Neoplasm of uncertain behavior of unspecified renal pelvis                 |
| 12   | D4111   | D4111 Neoplasm of uncertain behavior of right renal pelvis                       |
| 12   | D4112   | D4112 Neoplasm of uncertain behavior of left renal pelvis                        |
| 12   | D4120   | D4120 Neoplasm of uncertain behavior of unspecified ureter                       |
| 12   | D4121   | D4121 Neoplasm of uncertain behavior of right ureter                             |
| 12   | D4122   | D4122 Neoplasm of uncertain behavior of left ureter                              |
| 12   | D413    | D413 Neoplasm of uncertain behavior of urethra                                   |
| 12   | D414    | D414 Neoplasm of uncertain behavior of bladder                                   |
| 12   | D418    | D418 Neoplasm of uncertain behavior of other specified urinary organs            |
| 12   | D419    | D419 Neoplasm of uncertain behavior of unspecified urinary organ                 |
| 12   | D483    | D483 Neoplasm of uncertain behavior of retroperitoneum                           |
| 12   | D484    | D484 Neoplasm of uncertain behavior of peritoneum                                |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>   |
|-------------|----------------|---|
| 12          | D490           | D490 Neoplasm of unspecified behavior of digestive system                                 |
| 12          | D494           | D494 Neoplasm of unspecified behavior of bladder  |
| 12          | K317           | K317 Polyp of stomach and duodenum  |
| 12          | K635           | K635 Polyp of colon   |
| 25          | I8500          | I8500 Esophageal varices without bleeding   |
| 25          | I8501          | I8501 Esophageal varices with bleeding  |
| 25          | I8510          | I8510 Secondary esophageal varices without bleeding                                       |
| 25          | I8511          | I8511 Secondary esophageal varices with bleeding  |
| 25          | K7041          | K7041 Alcoholic hepatic failure with coma   |
| 25          | K7111          | K7111 Toxic liver disease with hepatic necrosis, with coma                                |
| 25          | K7201          | K7201 Acute and subacute hepatic failure with coma  |
| 25          | K7210          | K7210 Chronic hepatic failure without coma  |
| 25          | K7211          | K7211 Chronic hepatic failure with coma   |
| 25          | K7290          | K7290 Hepatic failure, unspecified without coma   |
| 25          | K7291          | K7291 Hepatic failure, unspecified with coma  |
| 25          | K766           | K766 Portal hypertension  |
| 25          | K767           | K767 Hepatorenal syndrome   |
| 26          | K702           | K702 Alcoholic fibrosis and sclerosis of liver  |
| 26          | K7030          | K7030 Alcoholic cirrhosis of liver without ascites  |
| 26          | K7031          | K7031 Alcoholic cirrhosis of liver with ascites   |
| 26          | K7040          | K7040 Alcoholic hepatic failure without coma  |
| 26          | K7041          | K7041 Alcoholic hepatic failure with coma   |
| 26          | K709           | K709 Alcoholic liver disease, unspecified   |
| 26          | K740           | K740 Hepatic fibrosis   |
| 26          | K743           | K743 Primary biliary cirrhosis  |
| 26          | K744           | K744 Secondary biliary cirrhosis  |
| 26          | K745           | K745 Biliary cirrhosis, unspecified   |
| 26          | K7460          | K7460 Unspecified cirrhosis of liver  |
| 26          | K7469          | K7469 Other cirrhosis of liver  |
| 32          | B252           | B252 Cytomegaloviral pancreatitis   |
| 32          | B263           | B263 Mumps pancreatitis   |
| 32          | E163           | E163 Increased secretion of glucagon  |
| 32          | E164           | E164 Increased secretion of gastrin   |
| 32          | E168           | E168 Other specified disorders of pancreatic internal secretion                           |
| 32          | E169           | E169 Disorder of pancreatic internal secretion, unspecified                               |
| 32          | K850           | K850 Idiopathic acute pancreatitis  |
| 32          | K851           | K851 Biliary acute pancreatitis   |
| 32          | K852           | K852 Alcohol induced acute pancreatitis   |
| 32          | K853           | K853 Drug induced acute pancreatitis  |
| 32          | K858           | K858 Other acute pancreatitis   |
| 32          | K859           | K859 Acute pancreatitis, unspecified  |
| 32          | K8590          | K8590 Acute pancreatitis without necrosis or infection                                    |
| 32          | K8591          | K8591 Acute pancreatitis with uninfected necrosis   |
| 32          | K8592          | K8592 Acute pancreatitis with infected necrosis   |
| 32          | K860           | K860 Alcohol-induced chronic pancreatitis   |
| 32          | K861           | K861 Other chronic pancreatitis   |
| 32          | K862           | K862 Cyst of pancreas   |
| 32          | K863           | K863 Pseudocyst of pancreas   |
| 32          | K868           | K868 Other specified diseases of pancreas   |
| 32          | K8681          | K8681 Exocrine pancreatic insufficiency   |
| 32          | K8689          | K8689 Other specified diseases of pancreas  |
| 32          | K869           | K869 Disease of pancreas, unspecified   |
| 32          | K87            | K87 Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere |
| 32          | K900           | K900 Celiac disease   |
| 32          | K901           | K901 Tropical sprue   |
| 32          | K902           | K902 Blind loop syndrome, not elsewhere classified  |
| 32          | K903           | K903 Pancreatic steatorrhea   |
| 32          | K904           | K904 Malabsorption due to intolerance, not elsewhere classified                           |
| 32          | K9041          | K9041 Non-celiac gluten sensitivity   |
| 32          | K9049          | K9049 Malabsorption due to intolerance  |
| 32          | K9081          | K9081 Whipple's disease   |
| 32          | K9089          | K9089 Other intestinal malabsorption  |
| 32          | K909           | K909 Intestinal malabsorption, unspecified  |
| 32          | K912           | K912 Postsurgical malabsorption, not elsewhere classified                                 |
| 38          | A1801          | A1801 Tuberculosis of spine   |
| 38          | M0500          | M0500 Felty's syndrome, unspecified site  |
| 38          | M05011         | M05011 Felty's syndrome, right shoulder   |
| 38          | M05012         | M05012 Felty's syndrome, left shoulder  |
| 38          | M05019         | M05019 Felty's syndrome, unspecified shoulder   |
| 38          | M05021         | M05021 Felty's syndrome, right elbow  |
| 38          | M05022         | M05022 Felty's syndrome, left elbow   |
| 38          | M05029         | M05029 Felty's syndrome, unspecified elbow  |
| 38          | M05031         | M05031 Felty's syndrome, right wrist  |
| 38          | M05032         | M05032 Felty's syndrome, left wrist   |
| 38          | M05039         | M05039 Felty's syndrome, unspecified wrist  |
| 38          | M05041         | M05041 Felty's syndrome, right hand   |
| 38          | M05042         | M05042 Felty's syndrome, left hand  |
| 38          | M05049         | M05049 Felty's syndrome, unspecified hand   |
| 38          | M05051         | M05051 Felty's syndrome, right hip  |
| 38          | M05052         | M05052 Felty's syndrome, left hip   |
| 38          | M05059         | M05059 Felty's syndrome, unspecified hip  |
| 38          | M05061         | M05061 Felty's syndrome, right knee   |
| 38          | M05062         | M05062 Felty's syndrome, left knee  |
| 38          | M05069         | M05069 Felty's syndrome, unspecified knee   |
| 38          | M05071         | M05071 Felty's syndrome, right ankle and foot   |
| 38          | M05072         | M05072 Felty's syndrome, left ankle and foot  |
| 38          | M05079         | M05079 Felty's syndrome, unspecified ankle and foot                                       |
| 38          | M0509          | M0509 Felty's syndrome, multiple sites  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 38   | M0510   | M0510 Rheumatoid lung disease with rheumatoid arthritis of unspecified site             |
| 38   | M05111  | M05111 Rheumatoid lung disease with rheumatoid arthritis of right shoulder              |
| 38   | M05112  | M05112 Rheumatoid lung disease with rheumatoid arthritis of left shoulder               |
| 38   | M05119  | M05119 Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder        |
| 38   | M05121  | M05121 Rheumatoid lung disease with rheumatoid arthritis of right elbow                 |
| 38   | M05122  | M05122 Rheumatoid lung disease with rheumatoid arthritis of left elbow                  |
| 38   | M05129  | M05129 Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow           |
| 38   | M05131  | M05131 Rheumatoid lung disease with rheumatoid arthritis of right wrist                 |
| 38   | M05132  | M05132 Rheumatoid lung disease with rheumatoid arthritis of left wrist                  |
| 38   | M05139  | M05139 Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist           |
| 38   | M05141  | M05141 Rheumatoid lung disease with rheumatoid arthritis of right hand                  |
| 38   | M05142  | M05142 Rheumatoid lung disease with rheumatoid arthritis of left hand                   |
| 38   | M05149  | M05149 Rheumatoid lung disease with rheumatoid arthritis of unspecified hand            |
| 38   | M05151  | M05151 Rheumatoid lung disease with rheumatoid arthritis of right hip                   |
| 38   | M05152  | M05152 Rheumatoid lung disease with rheumatoid arthritis of left hip                    |
| 38   | M05159  | M05159 Rheumatoid lung disease with rheumatoid arthritis of unspecified hip             |
| 38   | M05161  | M05161 Rheumatoid lung disease with rheumatoid arthritis of right knee                  |
| 38   | M05162  | M05162 Rheumatoid lung disease with rheumatoid arthritis of left knee                   |
| 38   | M05169  | M05169 Rheumatoid lung disease with rheumatoid arthritis of unspecified knee            |
| 38   | M05171  | M05171 Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot        |
| 38   | M05172  | M05172 Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot         |
| 38   | M05179  | M05179 Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot  |
| 38   | M0519   | M0519 Rheumatoid lung disease with rheumatoid arthritis of multiple sites               |
| 38   | M0520   | M0520 Rheumatoid vasculitis with rheumatoid arthritis of unspecified site               |
| 38   | M05211  | M05211 Rheumatoid vasculitis with rheumatoid arthritis of right shoulder                |
| 38   | M05212  | M05212 Rheumatoid vasculitis with rheumatoid arthritis of left shoulder                 |
| 38   | M05219  | M05219 Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder          |
| 38   | M05221  | M05221 Rheumatoid vasculitis with rheumatoid arthritis of right elbow                   |
| 38   | M05222  | M05222 Rheumatoid vasculitis with rheumatoid arthritis of left elbow                    |
| 38   | M05229  | M05229 Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow             |
| 38   | M05231  | M05231 Rheumatoid vasculitis with rheumatoid arthritis of right wrist                   |
| 38   | M05232  | M05232 Rheumatoid vasculitis with rheumatoid arthritis of left wrist                    |
| 38   | M05239  | M05239 Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist             |
| 38   | M05241  | M05241 Rheumatoid vasculitis with rheumatoid arthritis of right hand                    |
| 38   | M05242  | M05242 Rheumatoid vasculitis with rheumatoid arthritis of left hand                     |
| 38   | M05249  | M05249 Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand              |
| 38   | M05251  | M05251 Rheumatoid vasculitis with rheumatoid arthritis of right hip                     |
| 38   | M05252  | M05252 Rheumatoid vasculitis with rheumatoid arthritis of left hip                      |
| 38   | M05259  | M05259 Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip               |
| 38   | M05261  | M05261 Rheumatoid vasculitis with rheumatoid arthritis of right knee                    |
| 38   | M05262  | M05262 Rheumatoid vasculitis with rheumatoid arthritis of left knee                     |
| 38   | M05269  | M05269 Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee              |
| 38   | M05271  | M05271 Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot          |
| 38   | M05272  | M05272 Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot           |
| 38   | M05279  | M05279 Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot    |
| 38   | M0529   | M0529 Rheumatoid vasculitis with rheumatoid arthritis of multiple sites                 |
| 38   | M0530   | M0530 Rheumatoid heart disease with rheumatoid arthritis of unspecified site            |
| 38   | M05311  | M05311 Rheumatoid heart disease with rheumatoid arthritis of right shoulder             |
| 38   | M05312  | M05312 Rheumatoid heart disease with rheumatoid arthritis of left shoulder              |
| 38   | M05319  | M05319 Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder       |
| 38   | M05321  | M05321 Rheumatoid heart disease with rheumatoid arthritis of right elbow                |
| 38   | M05322  | M05322 Rheumatoid heart disease with rheumatoid arthritis of left elbow                 |
| 38   | M05329  | M05329 Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow          |
| 38   | M05331  | M05331 Rheumatoid heart disease with rheumatoid arthritis of right wrist                |
| 38   | M05332  | M05332 Rheumatoid heart disease with rheumatoid arthritis of left wrist                 |
| 38   | M05339  | M05339 Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist          |
| 38   | M05341  | M05341 Rheumatoid heart disease with rheumatoid arthritis of right hand                 |
| 38   | M05342  | M05342 Rheumatoid heart disease with rheumatoid arthritis of left hand                  |
| 38   | M05349  | M05349 Rheumatoid heart disease with rheumatoid arthritis of unspecified hand           |
| 38   | M05351  | M05351 Rheumatoid heart disease with rheumatoid arthritis of right hip                  |
| 38   | M05352  | M05352 Rheumatoid heart disease with rheumatoid arthritis of left hip                   |
| 38   | M05359  | M05359 Rheumatoid heart disease with rheumatoid arthritis of unspecified hip            |
| 38   | M05361  | M05361 Rheumatoid heart disease with rheumatoid arthritis of right knee                 |
| 38   | M05362  | M05362 Rheumatoid heart disease with rheumatoid arthritis of left knee                  |
| 38   | M05369  | M05369 Rheumatoid heart disease with rheumatoid arthritis of unspecified knee           |
| 38   | M05371  | M05371 Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot       |
| 38   | M05372  | M05372 Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot        |
| 38   | M05379  | M05379 Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot |
| 38   | M0539   | M0539 Rheumatoid heart disease with rheumatoid arthritis of multiple sites              |
| 38   | M0540   | M0540 Rheumatoid myopathy with rheumatoid arthritis of unspecified site                 |
| 38   | M05411  | M05411 Rheumatoid myopathy with rheumatoid arthritis of right shoulder                  |
| 38   | M05412  | M05412 Rheumatoid myopathy with rheumatoid arthritis of left shoulder                   |
| 38   | M05419  | M05419 Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder            |
| 38   | M05421  | M05421 Rheumatoid myopathy with rheumatoid arthritis of right elbow                     |
| 38   | M05422  | M05422 Rheumatoid myopathy with rheumatoid arthritis of left elbow                      |
| 38   | M05429  | M05429 Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow               |
| 38   | M05431  | M05431 Rheumatoid myopathy with rheumatoid arthritis of right wrist                     |
| 38   | M05432  | M05432 Rheumatoid myopathy with rheumatoid arthritis of left wrist                      |
| 38   | M05439  | M05439 Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist               |
| 38   | M05441  | M05441 Rheumatoid myopathy with rheumatoid arthritis of right hand                      |
| 38   | M05442  | M05442 Rheumatoid myopathy with rheumatoid arthritis of left hand                       |
| 38   | M05449  | M05449 Rheumatoid myopathy with rheumatoid arthritis of unspecified hand                |
| 38   | M05451  | M05451 Rheumatoid myopathy with rheumatoid arthritis of right hip                       |
| 38   | M05452  | M05452 Rheumatoid myopathy with rheumatoid arthritis of left hip                        |
| 38   | M05459  | M05459 Rheumatoid myopathy with rheumatoid arthritis of unspecified hip                 |
| 38   | M05461  | M05461 Rheumatoid myopathy with rheumatoid arthritis of right knee                      |
| 38   | M05462  | M05462 Rheumatoid myopathy with rheumatoid arthritis of left knee                       |
| 38   | M05469  | M05469 Rheumatoid myopathy with rheumatoid arthritis of unspecified knee                |





**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 38          | M05859         | M05859 Other rheumatoid arthritis with rheumatoid factor of unspecified hip            |
| 38          | M05861         | M05861 Other rheumatoid arthritis with rheumatoid factor of right knee                 |
| 38          | M05862         | M05862 Other rheumatoid arthritis with rheumatoid factor of left knee                  |
| 38          | M05869         | M05869 Other rheumatoid arthritis with rheumatoid factor of unspecified knee           |
| 38          | M05871         | M05871 Other rheumatoid arthritis with rheumatoid factor of right ankle and foot       |
| 38          | M05872         | M05872 Other rheumatoid arthritis with rheumatoid factor of left ankle and foot        |
| 38          | M05879         | M05879 Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot |
| 38          | M0589          | M0589 Other rheumatoid arthritis with rheumatoid factor of multiple sites              |
| 38          | M059           | M059 Rheumatoid arthritis with rheumatoid factor, unspecified                          |
| 38          | M0600          | M0600 Rheumatoid arthritis without rheumatoid factor, unspecified site                 |
| 38          | M06011         | M06011 Rheumatoid arthritis without rheumatoid factor, right shoulder                  |
| 38          | M06012         | M06012 Rheumatoid arthritis without rheumatoid factor, left shoulder                   |
| 38          | M06019         | M06019 Rheumatoid arthritis without rheumatoid factor, unspecified shoulder            |
| 38          | M06021         | M06021 Rheumatoid arthritis without rheumatoid factor, right elbow                     |
| 38          | M06022         | M06022 Rheumatoid arthritis without rheumatoid factor, left elbow                      |
| 38          | M06029         | M06029 Rheumatoid arthritis without rheumatoid factor, unspecified elbow               |
| 38          | M06031         | M06031 Rheumatoid arthritis without rheumatoid factor, right wrist                     |
| 38          | M06032         | M06032 Rheumatoid arthritis without rheumatoid factor, left wrist                      |
| 38          | M06039         | M06039 Rheumatoid arthritis without rheumatoid factor, unspecified wrist               |
| 38          | M06041         | M06041 Rheumatoid arthritis without rheumatoid factor, right hand                      |
| 38          | M06042         | M06042 Rheumatoid arthritis without rheumatoid factor, left hand                       |
| 38          | M06049         | M06049 Rheumatoid arthritis without rheumatoid factor, unspecified hand                |
| 38          | M06051         | M06051 Rheumatoid arthritis without rheumatoid factor, right hip                       |
| 38          | M06052         | M06052 Rheumatoid arthritis without rheumatoid factor, left hip                        |
| 38          | M06059         | M06059 Rheumatoid arthritis without rheumatoid factor, unspecified hip                 |
| 38          | M06061         | M06061 Rheumatoid arthritis without rheumatoid factor, right knee                      |
| 38          | M06062         | M06062 Rheumatoid arthritis without rheumatoid factor, left knee                       |
| 38          | M06069         | M06069 Rheumatoid arthritis without rheumatoid factor, unspecified knee                |
| 38          | M06071         | M06071 Rheumatoid arthritis without rheumatoid factor, right ankle and foot            |
| 38          | M06072         | M06072 Rheumatoid arthritis without rheumatoid factor, left ankle and foot             |
| 38          | M06079         | M06079 Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot      |
| 38          | M0608          | M0608 Rheumatoid arthritis without rheumatoid factor, vertebrae                        |
| 38          | M0609          | M0609 Rheumatoid arthritis without rheumatoid factor, multiple sites                   |
| 38          | M061           | M061 Adult-onset Still's disease   |
| 38          | M0620          | M0620 Rheumatoid bursitis, unspecified site  |
| 38          | M06211         | M06211 Rheumatoid bursitis, right shoulder   |
| 38          | M06212         | M06212 Rheumatoid bursitis, left shoulder  |
| 38          | M06219         | M06219 Rheumatoid bursitis, unspecified shoulder                                       |
| 38          | M06221         | M06221 Rheumatoid bursitis, right elbow  |
| 38          | M06222         | M06222 Rheumatoid bursitis, left elbow   |
| 38          | M06229         | M06229 Rheumatoid bursitis, unspecified elbow  |
| 38          | M06231         | M06231 Rheumatoid bursitis, right wrist  |
| 38          | M06232         | M06232 Rheumatoid bursitis, left wrist   |
| 38          | M06239         | M06239 Rheumatoid bursitis, unspecified wrist  |
| 38          | M06241         | M06241 Rheumatoid bursitis, right hand   |
| 38          | M06242         | M06242 Rheumatoid bursitis, left hand  |
| 38          | M06249         | M06249 Rheumatoid bursitis, unspecified hand   |
| 38          | M06251         | M06251 Rheumatoid bursitis, right hip  |
| 38          | M06252         | M06252 Rheumatoid bursitis, left hip   |
| 38          | M06259         | M06259 Rheumatoid bursitis, unspecified hip  |
| 38          | M06261         | M06261 Rheumatoid bursitis, right knee   |
| 38          | M06262         | M06262 Rheumatoid bursitis, left knee  |
| 38          | M06269         | M06269 Rheumatoid bursitis, unspecified knee   |
| 38          | M06271         | M06271 Rheumatoid bursitis, right ankle and foot                                       |
| 38          | M06272         | M06272 Rheumatoid bursitis, left ankle and foot  |
| 38          | M06279         | M06279 Rheumatoid bursitis, unspecified ankle and foot                                 |
| 38          | M0628          | M0628 Rheumatoid bursitis, vertebrae   |
| 38          | M0629          | M0629 Rheumatoid bursitis, multiple sites  |
| 38          | M0630          | M0630 Rheumatoid nodule, unspecified site  |
| 38          | M06311         | M06311 Rheumatoid nodule, right shoulder   |
| 38          | M06312         | M06312 Rheumatoid nodule, left shoulder  |
| 38          | M06319         | M06319 Rheumatoid nodule, unspecified shoulder   |
| 38          | M06321         | M06321 Rheumatoid nodule, right elbow  |
| 38          | M06322         | M06322 Rheumatoid nodule, left elbow   |
| 38          | M06329         | M06329 Rheumatoid nodule, unspecified elbow  |
| 38          | M06331         | M06331 Rheumatoid nodule, right wrist  |
| 38          | M06332         | M06332 Rheumatoid nodule, left wrist   |
| 38          | M06339         | M06339 Rheumatoid nodule, unspecified wrist  |
| 38          | M06341         | M06341 Rheumatoid nodule, right hand   |
| 38          | M06342         | M06342 Rheumatoid nodule, left hand  |
| 38          | M06349         | M06349 Rheumatoid nodule, unspecified hand   |
| 38          | M06351         | M06351 Rheumatoid nodule, right hip  |
| 38          | M06352         | M06352 Rheumatoid nodule, left hip   |
| 38          | M06359         | M06359 Rheumatoid nodule, unspecified hip  |
| 38          | M06361         | M06361 Rheumatoid nodule, right knee   |
| 38          | M06362         | M06362 Rheumatoid nodule, left knee  |
| 38          | M06369         | M06369 Rheumatoid nodule, unspecified knee   |
| 38          | M06371         | M06371 Rheumatoid nodule, right ankle and foot   |
| 38          | M06372         | M06372 Rheumatoid nodule, left ankle and foot  |
| 38          | M06379         | M06379 Rheumatoid nodule, unspecified ankle and foot                                   |
| 38          | M0638          | M0638 Rheumatoid nodule, vertebrae   |
| 38          | M0639          | M0639 Rheumatoid nodule, multiple sites  |
| 38          | M064           | M064 Inflammatory polyarthropathy  |
| 38          | M0680          | M0680 Other specified rheumatoid arthritis, unspecified site                           |
| 38          | M06811         | M06811 Other specified rheumatoid arthritis, right shoulder                            |
| 38          | M06812         | M06812 Other specified rheumatoid arthritis, left shoulder                             |
| 38          | M06819         | M06819 Other specified rheumatoid arthritis, unspecified shoulder                      |
| 38          | M06821         | M06821 Other specified rheumatoid arthritis, right elbow                               |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 38   | M06822  | M06822 Other specified rheumatoid arthritis, left elbow                              |
| 38   | M06829  | M06829 Other specified rheumatoid arthritis, unspecified elbow                       |
| 38   | M06831  | M06831 Other specified rheumatoid arthritis, right wrist                             |
| 38   | M06832  | M06832 Other specified rheumatoid arthritis, left wrist                              |
| 38   | M06839  | M06839 Other specified rheumatoid arthritis, unspecified wrist                       |
| 38   | M06841  | M06841 Other specified rheumatoid arthritis, right hand                              |
| 38   | M06842  | M06842 Other specified rheumatoid arthritis, left hand                               |
| 38   | M06849  | M06849 Other specified rheumatoid arthritis, unspecified hand                        |
| 38   | M06851  | M06851 Other specified rheumatoid arthritis, right hip                               |
| 38   | M06852  | M06852 Other specified rheumatoid arthritis, left hip                                |
| 38   | M06859  | M06859 Other specified rheumatoid arthritis, unspecified hip                         |
| 38   | M06861  | M06861 Other specified rheumatoid arthritis, right knee                              |
| 38   | M06862  | M06862 Other specified rheumatoid arthritis, left knee                               |
| 38   | M06869  | M06869 Other specified rheumatoid arthritis, unspecified knee                        |
| 38   | M06871  | M06871 Other specified rheumatoid arthritis, right ankle and foot                    |
| 38   | M06872  | M06872 Other specified rheumatoid arthritis, left ankle and foot                     |
| 38   | M06879  | M06879 Other specified rheumatoid arthritis, unspecified ankle and foot              |
| 38   | M0688   | M0688 Other specified rheumatoid arthritis, vertebrae                                |
| 38   | M0689   | M0689 Other specified rheumatoid arthritis, multiple sites                           |
| 38   | M069    | M069 Rheumatoid arthritis, unspecified   |
| 38   | M0800   | M0800 Unspecified juvenile rheumatoid arthritis of unspecified site                  |
| 38   | M08011  | M08011 Unspecified juvenile rheumatoid arthritis, right shoulder                     |
| 38   | M08012  | M08012 Unspecified juvenile rheumatoid arthritis, left shoulder                      |
| 38   | M08019  | M08019 Unspecified juvenile rheumatoid arthritis, unspecified shoulder               |
| 38   | M08021  | M08021 Unspecified juvenile rheumatoid arthritis, right elbow                        |
| 38   | M08022  | M08022 Unspecified juvenile rheumatoid arthritis, left elbow                         |
| 38   | M08029  | M08029 Unspecified juvenile rheumatoid arthritis, unspecified elbow                  |
| 38   | M08031  | M08031 Unspecified juvenile rheumatoid arthritis, right wrist                        |
| 38   | M08032  | M08032 Unspecified juvenile rheumatoid arthritis, left wrist                         |
| 38   | M08039  | M08039 Unspecified juvenile rheumatoid arthritis, unspecified wrist                  |
| 38   | M08041  | M08041 Unspecified juvenile rheumatoid arthritis, right hand                         |
| 38   | M08042  | M08042 Unspecified juvenile rheumatoid arthritis, left hand                          |
| 38   | M08049  | M08049 Unspecified juvenile rheumatoid arthritis, unspecified hand                   |
| 38   | M08051  | M08051 Unspecified juvenile rheumatoid arthritis, right hip                          |
| 38   | M08052  | M08052 Unspecified juvenile rheumatoid arthritis, left hip                           |
| 38   | M08059  | M08059 Unspecified juvenile rheumatoid arthritis, unspecified hip                    |
| 38   | M08061  | M08061 Unspecified juvenile rheumatoid arthritis, right knee                         |
| 38   | M08062  | M08062 Unspecified juvenile rheumatoid arthritis, left knee                          |
| 38   | M08069  | M08069 Unspecified juvenile rheumatoid arthritis, unspecified knee                   |
| 38   | M08071  | M08071 Unspecified juvenile rheumatoid arthritis, right ankle and foot               |
| 38   | M08072  | M08072 Unspecified juvenile rheumatoid arthritis, left ankle and foot                |
| 38   | M08079  | M08079 Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot         |
| 38   | M0808   | M0808 Unspecified juvenile rheumatoid arthritis, vertebrae                           |
| 38   | M0809   | M0809 Unspecified juvenile rheumatoid arthritis, multiple sites                      |
| 38   | M081    | M081 Juvenile ankylosing spondylitis   |
| 38   | M0820   | M0820 Juvenile rheumatoid arthritis with systemic onset, unspecified site            |
| 38   | M08211  | M08211 Juvenile rheumatoid arthritis with systemic onset, right shoulder             |
| 38   | M08212  | M08212 Juvenile rheumatoid arthritis with systemic onset, left shoulder              |
| 38   | M08219  | M08219 Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder       |
| 38   | M08221  | M08221 Juvenile rheumatoid arthritis with systemic onset, right elbow                |
| 38   | M08222  | M08222 Juvenile rheumatoid arthritis with systemic onset, left elbow                 |
| 38   | M08229  | M08229 Juvenile rheumatoid arthritis with systemic onset, unspecified elbow          |
| 38   | M08231  | M08231 Juvenile rheumatoid arthritis with systemic onset, right wrist                |
| 38   | M08232  | M08232 Juvenile rheumatoid arthritis with systemic onset, left wrist                 |
| 38   | M08239  | M08239 Juvenile rheumatoid arthritis with systemic onset, unspecified wrist          |
| 38   | M08241  | M08241 Juvenile rheumatoid arthritis with systemic onset, right hand                 |
| 38   | M08242  | M08242 Juvenile rheumatoid arthritis with systemic onset, left hand                  |
| 38   | M08249  | M08249 Juvenile rheumatoid arthritis with systemic onset, unspecified hand           |
| 38   | M08251  | M08251 Juvenile rheumatoid arthritis with systemic onset, right hip                  |
| 38   | M08252  | M08252 Juvenile rheumatoid arthritis with systemic onset, left hip                   |
| 38   | M08259  | M08259 Juvenile rheumatoid arthritis with systemic onset, unspecified hip            |
| 38   | M08261  | M08261 Juvenile rheumatoid arthritis with systemic onset, right knee                 |
| 38   | M08262  | M08262 Juvenile rheumatoid arthritis with systemic onset, left knee                  |
| 38   | M08269  | M08269 Juvenile rheumatoid arthritis with systemic onset, unspecified knee           |
| 38   | M08271  | M08271 Juvenile rheumatoid arthritis with systemic onset, right ankle and foot       |
| 38   | M08272  | M08272 Juvenile rheumatoid arthritis with systemic onset, left ankle and foot        |
| 38   | M08279  | M08279 Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot |
| 38   | M0828   | M0828 Juvenile rheumatoid arthritis with systemic onset, vertebrae                   |
| 38   | M0829   | M0829 Juvenile rheumatoid arthritis with systemic onset, multiple sites              |
| 38   | M083    | M083 Juvenile rheumatoid polyarthritis (seronegative)                                |
| 38   | M0840   | M0840 Pauciarticular juvenile rheumatoid arthritis, unspecified site                 |
| 38   | M08411  | M08411 Pauciarticular juvenile rheumatoid arthritis, right shoulder                  |
| 38   | M08412  | M08412 Pauciarticular juvenile rheumatoid arthritis, left shoulder                   |
| 38   | M08419  | M08419 Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder            |
| 38   | M08421  | M08421 Pauciarticular juvenile rheumatoid arthritis, right elbow                     |
| 38   | M08422  | M08422 Pauciarticular juvenile rheumatoid arthritis, left elbow                      |
| 38   | M08429  | M08429 Pauciarticular juvenile rheumatoid arthritis, unspecified elbow               |
| 38   | M08431  | M08431 Pauciarticular juvenile rheumatoid arthritis, right wrist                     |
| 38   | M08432  | M08432 Pauciarticular juvenile rheumatoid arthritis, left wrist                      |
| 38   | M08439  | M08439 Pauciarticular juvenile rheumatoid arthritis, unspecified wrist               |
| 38   | M08441  | M08441 Pauciarticular juvenile rheumatoid arthritis, right hand                      |
| 38   | M08442  | M08442 Pauciarticular juvenile rheumatoid arthritis, left hand                       |
| 38   | M08449  | M08449 Pauciarticular juvenile rheumatoid arthritis, unspecified hand                |
| 38   | M08451  | M08451 Pauciarticular juvenile rheumatoid arthritis, right hip                       |
| 38   | M08452  | M08452 Pauciarticular juvenile rheumatoid arthritis, left hip                        |
| 38   | M08459  | M08459 Pauciarticular juvenile rheumatoid arthritis, unspecified hip                 |
| 38   | M08461  | M08461 Pauciarticular juvenile rheumatoid arthritis, right knee                      |
| 38   | M08462  | M08462 Pauciarticular juvenile rheumatoid arthritis, left knee                       |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 38   | M08469  | M08469 Pauciarticular juvenile rheumatoid arthritis, unspecified knee           |
| 38   | M08471  | M08471 Pauciarticular juvenile rheumatoid arthritis, right ankle and foot       |
| 38   | M08472  | M08472 Pauciarticular juvenile rheumatoid arthritis, left ankle and foot        |
| 38   | M08479  | M08479 Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot |
| 38   | M0848   | M0848 Pauciarticular juvenile rheumatoid arthritis, vertebrae                   |
| 38   | M0880   | M0880 Other juvenile arthritis, unspecified site                                |
| 38   | M08811  | M08811 Other juvenile arthritis, right shoulder                                 |
| 38   | M08812  | M08812 Other juvenile arthritis, left shoulder                                  |
| 38   | M08819  | M08819 Other juvenile arthritis, unspecified shoulder                           |
| 38   | M08821  | M08821 Other juvenile arthritis, right elbow                                    |
| 38   | M08822  | M08822 Other juvenile arthritis, left elbow                                     |
| 38   | M08829  | M08829 Other juvenile arthritis, unspecified elbow                              |
| 38   | M08831  | M08831 Other juvenile arthritis, right wrist                                    |
| 38   | M08832  | M08832 Other juvenile arthritis, left wrist                                     |
| 38   | M08839  | M08839 Other juvenile arthritis, unspecified wrist                              |
| 38   | M08841  | M08841 Other juvenile arthritis, right hand                                     |
| 38   | M08842  | M08842 Other juvenile arthritis, left hand                                      |
| 38   | M08849  | M08849 Other juvenile arthritis, unspecified hand                               |
| 38   | M08851  | M08851 Other juvenile arthritis, right hip                                      |
| 38   | M08852  | M08852 Other juvenile arthritis, left hip                                       |
| 38   | M08859  | M08859 Other juvenile arthritis, unspecified hip                                |
| 38   | M08861  | M08861 Other juvenile arthritis, right knee                                     |
| 38   | M08862  | M08862 Other juvenile arthritis, left knee                                      |
| 38   | M08869  | M08869 Other juvenile arthritis, unspecified knee                               |
| 38   | M08871  | M08871 Other juvenile arthritis, right ankle and foot                           |
| 38   | M08872  | M08872 Other juvenile arthritis, left ankle and foot                            |
| 38   | M08879  | M08879 Other juvenile arthritis, unspecified ankle and foot                     |
| 38   | M0888   | M0888 Other juvenile arthritis, other specified site                            |
| 38   | M0889   | M0889 Other juvenile arthritis, multiple sites                                  |
| 38   | M0890   | M0890 Juvenile arthritis, unspecified, unspecified site                         |
| 38   | M08911  | M08911 Juvenile arthritis, unspecified, right shoulder                          |
| 38   | M08912  | M08912 Juvenile arthritis, unspecified, left shoulder                           |
| 38   | M08919  | M08919 Juvenile arthritis, unspecified, unspecified shoulder                    |
| 38   | M08921  | M08921 Juvenile arthritis, unspecified, right elbow                             |
| 38   | M08922  | M08922 Juvenile arthritis, unspecified, left elbow                              |
| 38   | M08929  | M08929 Juvenile arthritis, unspecified, unspecified elbow                       |
| 38   | M08931  | M08931 Juvenile arthritis, unspecified, right wrist                             |
| 38   | M08932  | M08932 Juvenile arthritis, unspecified, left wrist                              |
| 38   | M08939  | M08939 Juvenile arthritis, unspecified, unspecified wrist                       |
| 38   | M08941  | M08941 Juvenile arthritis, unspecified, right hand                              |
| 38   | M08942  | M08942 Juvenile arthritis, unspecified, left hand                               |
| 38   | M08949  | M08949 Juvenile arthritis, unspecified, unspecified hand                        |
| 38   | M08951  | M08951 Juvenile arthritis, unspecified, right hip                               |
| 38   | M08952  | M08952 Juvenile arthritis, unspecified, left hip                                |
| 38   | M08959  | M08959 Juvenile arthritis, unspecified, unspecified hip                         |
| 38   | M08961  | M08961 Juvenile arthritis, unspecified, right knee                              |
| 38   | M08962  | M08962 Juvenile arthritis, unspecified, left knee                               |
| 38   | M08969  | M08969 Juvenile arthritis, unspecified, unspecified knee                        |
| 38   | M08971  | M08971 Juvenile arthritis, unspecified, right ankle and foot                    |
| 38   | M08972  | M08972 Juvenile arthritis, unspecified, left ankle and foot                     |
| 38   | M08979  | M08979 Juvenile arthritis, unspecified, unspecified ankle and foot              |
| 38   | M0898   | M0898 Juvenile arthritis, unspecified, vertebrae                                |
| 38   | M0899   | M0899 Juvenile arthritis, unspecified, multiple sites                           |
| 38   | M1200   | M1200 Chronic postrheumatic arthropathy [Jaccoud], unspecified site             |
| 38   | M12011  | M12011 Chronic postrheumatic arthropathy [Jaccoud], right shoulder              |
| 38   | M12012  | M12012 Chronic postrheumatic arthropathy [Jaccoud], left shoulder               |
| 38   | M12019  | M12019 Chronic postrheumatic arthropathy [Jaccoud], unspecified shoulder        |
| 38   | M12021  | M12021 Chronic postrheumatic arthropathy [Jaccoud], right elbow                 |
| 38   | M12022  | M12022 Chronic postrheumatic arthropathy [Jaccoud], left elbow                  |
| 38   | M12029  | M12029 Chronic postrheumatic arthropathy [Jaccoud], unspecified elbow           |
| 38   | M12031  | M12031 Chronic postrheumatic arthropathy [Jaccoud], right wrist                 |
| 38   | M12032  | M12032 Chronic postrheumatic arthropathy [Jaccoud], left wrist                  |
| 38   | M12039  | M12039 Chronic postrheumatic arthropathy [Jaccoud], unspecified wrist           |
| 38   | M12041  | M12041 Chronic postrheumatic arthropathy [Jaccoud], right hand                  |
| 38   | M12042  | M12042 Chronic postrheumatic arthropathy [Jaccoud], left hand                   |
| 38   | M12049  | M12049 Chronic postrheumatic arthropathy [Jaccoud], unspecified hand            |
| 38   | M12051  | M12051 Chronic postrheumatic arthropathy [Jaccoud], right hip                   |
| 38   | M12052  | M12052 Chronic postrheumatic arthropathy [Jaccoud], left hip                    |
| 38   | M12059  | M12059 Chronic postrheumatic arthropathy [Jaccoud], unspecified hip             |
| 38   | M12061  | M12061 Chronic postrheumatic arthropathy [Jaccoud], right knee                  |
| 38   | M12062  | M12062 Chronic postrheumatic arthropathy [Jaccoud], left knee                   |
| 38   | M12069  | M12069 Chronic postrheumatic arthropathy [Jaccoud], unspecified knee            |
| 38   | M12071  | M12071 Chronic postrheumatic arthropathy [Jaccoud], right ankle and foot        |
| 38   | M12072  | M12072 Chronic postrheumatic arthropathy [Jaccoud], left ankle and foot         |
| 38   | M12079  | M12079 Chronic postrheumatic arthropathy [Jaccoud], unspecified ankle and foot  |
| 38   | M1208   | M1208 Chronic postrheumatic arthropathy [Jaccoud], other specified site         |
| 38   | M1209   | M1209 Chronic postrheumatic arthropathy [Jaccoud], multiple sites               |
| 38   | M300    | M300 Polyarteritis nodosa   |
| 38   | M301    | M301 Polyarteritis with lung involvement [Churg-Strauss]                        |
| 38   | M302    | M302 Juvenile polyarteritis   |
| 38   | M303    | M303 Mucocutaneous lymph node syndrome [Kawasaki]                               |
| 38   | M308    | M308 Other conditions related to polyarteritis nodosa                           |
| 38   | M310    | M310 Hypersensitivity angiitis  |
| 38   | M311    | M311 Thrombotic microangiopathy   |
| 38   | M312    | M312 Lethal midline granuloma   |
| 38   | M3130   | M3130 Wegener's granulomatosis without renal involvement                        |
| 38   | M3131   | M3131 Wegener's granulomatosis with renal involvement                           |
| 38   | M314    | M314 Aortic arch syndrome [Takayasu]  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10 | ICD10CM_desc   |
|------|---------|-------|--|
| 38   | M315    | M315  | Giant cell arteritis with polymyalgia rheumatica                               |
| 38   | M316    | M316  | Other giant cell arteritis   |
| 38   | M317    | M317  | Microscopic polyangiitis   |
| 38   | M320    | M320  | Drug-induced systemic lupus erythematosus                                      |
| 38   | M3210   | M3210 | Systemic lupus erythematosus, organ or system involvement unspecified          |
| 38   | M3211   | M3211 | Endocarditis in systemic lupus erythematosus                                   |
| 38   | M3212   | M3212 | Pericarditis in systemic lupus erythematosus                                   |
| 38   | M3213   | M3213 | Lung involvement in systemic lupus erythematosus                               |
| 38   | M3214   | M3214 | Glomerular disease in systemic lupus erythematosus                             |
| 38   | M3215   | M3215 | Tubulo-interstitial nephropathy in systemic lupus erythematosus                |
| 38   | M3219   | M3219 | Other organ or system involvement in systemic lupus erythematosus              |
| 38   | M328    | M328  | Other forms of systemic lupus erythematosus                                    |
| 38   | M329    | M329  | Systemic lupus erythematosus, unspecified                                      |
| 38   | M3300   | M3300 | Juvenile dermatomyositis, organ involvement unspecified                        |
| 38   | M3301   | M3301 | Juvenile dermatomyositis with respiratory involvement                          |
| 38   | M3302   | M3302 | Juvenile dermatomyositis with myopathy   |
| 38   | M3309   | M3309 | Juvenile dermatomyositis with other organ involvement                          |
| 38   | M3310   | M3310 | Other dermatomyositis, organ involvement unspecified                           |
| 38   | M3311   | M3311 | Other dermatomyositis with respiratory involvement                             |
| 38   | M3312   | M3312 | Other dermatomyositis with myopathy  |
| 38   | M3319   | M3319 | Other dermatomyositis with other organ involvement                             |
| 38   | M3320   | M3320 | Polymyositis, organ involvement unspecified                                    |
| 38   | M3321   | M3321 | Polymyositis with respiratory involvement                                      |
| 38   | M3322   | M3322 | Polymyositis with myopathy   |
| 38   | M3329   | M3329 | Polymyositis with other organ involvement                                      |
| 38   | M3390   | M3390 | Dermatomyositis, unspecified, organ involvement unspecified                    |
| 38   | M3391   | M3391 | Dermatomyositis, unspecified with respiratory involvement                      |
| 38   | M3392   | M3392 | Dermatomyositis, unspecified with myopathy                                     |
| 38   | M3399   | M3399 | Dermatomyositis, unspecified with other organ involvement                      |
| 38   | M340    | M340  | Progressive systemic sclerosis   |
| 38   | M341    | M341  | CR(E)ST syndrome   |
| 38   | M342    | M342  | Systemic sclerosis induced by drug and chemical                                |
| 38   | M3481   | M3481 | Systemic sclerosis with lung involvement                                       |
| 38   | M3482   | M3482 | Systemic sclerosis with myopathy   |
| 38   | M3483   | M3483 | Systemic sclerosis with polyneuropathy   |
| 38   | M3489   | M3489 | Other systemic sclerosis   |
| 38   | M349    | M349  | Systemic sclerosis, unspecified  |
| 38   | M3500   | M3500 | Sicca syndrome, unspecified  |
| 38   | M3501   | M3501 | Sicca syndrome with keratoconjunctivitis                                       |
| 38   | M3502   | M3502 | Sicca syndrome with lung involvement   |
| 38   | M3503   | M3503 | Sicca syndrome with myopathy   |
| 38   | M3504   | M3504 | Sicca syndrome with tubulo-interstitial nephropathy                            |
| 38   | M3509   | M3509 | Sicca syndrome with other organ involvement                                    |
| 38   | M351    | M351  | Other overlap syndromes  |
| 38   | M352    | M352  | Behcet's disease   |
| 38   | M353    | M353  | Polymyalgia rheumatica   |
| 38   | M355    | M355  | Multifocal fibrosclerosis  |
| 38   | M358    | M358  | Other specified systemic involvement of connective tissue                      |
| 38   | M359    | M359  | Systemic involvement of connective tissue, unspecified                         |
| 38   | M360    | M360  | Dermato(poly)myositis in neoplastic disease                                    |
| 38   | M368    | M368  | Systemic disorders of connective tissue in other diseases classified elsewhere |
| 38   | M450    | M450  | Ankylosing spondylitis of multiple sites in spine                              |
| 38   | M451    | M451  | Ankylosing spondylitis of occipito-atlanto-axial region                        |
| 38   | M452    | M452  | Ankylosing spondylitis of cervical region                                      |
| 38   | M453    | M453  | Ankylosing spondylitis of cervicothoracic region                               |
| 38   | M454    | M454  | Ankylosing spondylitis of thoracic region                                      |
| 38   | M455    | M455  | Ankylosing spondylitis of thoracolumbar region                                 |
| 38   | M456    | M456  | Ankylosing spondylitis lumbar region   |
| 38   | M457    | M457  | Ankylosing spondylitis of lumbosacral region                                   |
| 38   | M458    | M458  | Ankylosing spondylitis sacral and sacrococcygeal region                        |
| 38   | M459    | M459  | Ankylosing spondylitis of unspecified sites in spine                           |
| 38   | M4600   | M4600 | Spinal enthesopathy, site unspecified  |
| 38   | M4601   | M4601 | Spinal enthesopathy, occipito-atlanto-axial region                             |
| 38   | M4602   | M4602 | Spinal enthesopathy, cervical region   |
| 38   | M4603   | M4603 | Spinal enthesopathy, cervicothoracic region                                    |
| 38   | M4604   | M4604 | Spinal enthesopathy, thoracic region   |
| 38   | M4605   | M4605 | Spinal enthesopathy, thoracolumbar region                                      |
| 38   | M4606   | M4606 | Spinal enthesopathy, lumbar region   |
| 38   | M4607   | M4607 | Spinal enthesopathy, lumbosacral region  |
| 38   | M4608   | M4608 | Spinal enthesopathy, sacral and sacrococcygeal region                          |
| 38   | M4609   | M4609 | Spinal enthesopathy, multiple sites in spine                                   |
| 38   | M461    | M461  | Sacroiliitis, not elsewhere classified   |
| 38   | M4650   | M4650 | Other infective spondylopathies, site unspecified                              |
| 38   | M4651   | M4651 | Other infective spondylopathies, occipito-atlanto-axial region                 |
| 38   | M4652   | M4652 | Other infective spondylopathies, cervical region                               |
| 38   | M4653   | M4653 | Other infective spondylopathies, cervicothoracic region                        |
| 38   | M4654   | M4654 | Other infective spondylopathies, thoracic region                               |
| 38   | M4655   | M4655 | Other infective spondylopathies, thoracolumbar region                          |
| 38   | M4656   | M4656 | Other infective spondylopathies, lumbar region                                 |
| 38   | M4657   | M4657 | Other infective spondylopathies, lumbosacral region                            |
| 38   | M4658   | M4658 | Other infective spondylopathies, sacral and sacrococcygeal region              |
| 38   | M4659   | M4659 | Other infective spondylopathies, multiple sites in spine                       |
| 38   | M4680   | M4680 | Other specified inflammatory spondylopathies, site unspecified                 |
| 38   | M4681   | M4681 | Other specified inflammatory spondylopathies, occipito-atlanto-axial region    |
| 38   | M4682   | M4682 | Other specified inflammatory spondylopathies, cervical region                  |
| 38   | M4683   | M4683 | Other specified inflammatory spondylopathies, cervicothoracic region           |
| 38   | M4684   | M4684 | Other specified inflammatory spondylopathies, thoracic region                  |
| 38   | M4685   | M4685 | Other specified inflammatory spondylopathies, thoracolumbar region             |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 38   | M4686   | M4686 Other specified inflammatory spondylopathies, lumbar region                      |
| 38   | M4687   | M4687 Other specified inflammatory spondylopathies, lumbosacral region                 |
| 38   | M4688   | M4688 Other specified inflammatory spondylopathies, sacral and sacrococcygeal region   |
| 38   | M4689   | M4689 Other specified inflammatory spondylopathies, multiple sites in spine            |
| 38   | M4690   | M4690 Unspecified inflammatory spondylopathy, site unspecified                         |
| 38   | M4691   | M4691 Unspecified inflammatory spondylopathy, occipito-atlanto-axial region            |
| 38   | M4692   | M4692 Unspecified inflammatory spondylopathy, cervical region                          |
| 38   | M4693   | M4693 Unspecified inflammatory spondylopathy, cervicothoracic region                   |
| 38   | M4694   | M4694 Unspecified inflammatory spondylopathy, thoracic region                          |
| 38   | M4695   | M4695 Unspecified inflammatory spondylopathy, thoracolumbar region                     |
| 38   | M4696   | M4696 Unspecified inflammatory spondylopathy, lumbar region                            |
| 38   | M4697   | M4697 Unspecified inflammatory spondylopathy, lumbosacral region                       |
| 38   | M4698   | M4698 Unspecified inflammatory spondylopathy, sacral and sacrococcygeal region         |
| 38   | M4699   | M4699 Unspecified inflammatory spondylopathy, multiple sites in spine                  |
| 38   | M488X1  | M488X1 Other specified spondylopathies, occipito-atlanto-axial region                  |
| 38   | M488X2  | M488X2 Other specified spondylopathies, cervical region                                |
| 38   | M488X3  | M488X3 Other specified spondylopathies, cervicothoracic region                         |
| 38   | M488X4  | M488X4 Other specified spondylopathies, thoracic region                                |
| 38   | M488X5  | M488X5 Other specified spondylopathies, thoracolumbar region                           |
| 38   | M488X6  | M488X6 Other specified spondylopathies, lumbar region                                  |
| 38   | M488X7  | M488X7 Other specified spondylopathies, lumbosacral region                             |
| 38   | M488X8  | M488X8 Other specified spondylopathies, sacral and sacrococcygeal region               |
| 38   | M488X9  | M488X9 Other specified spondylopathies, site unspecified                               |
| 38   | M4980   | M4980 Spondylopathy in diseases classified elsewhere, site unspecified                 |
| 38   | M4981   | M4981 Spondylopathy in diseases classified elsewhere, occipito-atlanto-axial region    |
| 38   | M4982   | M4982 Spondylopathy in diseases classified elsewhere, cervical region                  |
| 38   | M4983   | M4983 Spondylopathy in diseases classified elsewhere, cervicothoracic region           |
| 38   | M4984   | M4984 Spondylopathy in diseases classified elsewhere, thoracic region                  |
| 38   | M4985   | M4985 Spondylopathy in diseases classified elsewhere, thoracolumbar region             |
| 38   | M4986   | M4986 Spondylopathy in diseases classified elsewhere, lumbar region                    |
| 38   | M4987   | M4987 Spondylopathy in diseases classified elsewhere, lumbosacral region               |
| 38   | M4988   | M4988 Spondylopathy in diseases classified elsewhere, sacral and sacrococcygeal region |
| 38   | M4989   | M4989 Spondylopathy in diseases classified elsewhere, multiple sites in spine          |
| 44   | D460    | D460 Refractory anemia without ring sideroblasts, so stated                            |
| 44   | D461    | D461 Refractory anemia with ring sideroblasts  |
| 44   | D4620   | D4620 Refractory anemia with excess of blasts, unspecified                             |
| 44   | D4621   | D4621 Refractory anemia with excess of blasts 1  |
| 44   | D4622   | D4622 Refractory anemia with excess of blasts 2  |
| 44   | D464    | D464 Refractory anemia, unspecified  |
| 44   | D469    | D469 Myelodysplastic syndrome, unspecified   |
| 44   | D46A    | D46A Refractory cytopenia with multilineage dysplasia                                  |
| 44   | D46B    | D46B Refractory cytopenia with multilineage dysplasia and ring sideroblasts            |
| 44   | D46C    | D46C Myelodysplastic syndrome with isolated del(5q) chromosomal abnormality            |
| 44   | D46Z    | D46Z Other myelodysplastic syndromes   |
| 44   | D5700   | D5700 Hb-SS disease with crisis, unspecified   |
| 44   | D5701   | D5701 Hb-SS disease with acute chest syndrome  |
| 44   | D5702   | D5702 Hb-SS disease with splenic sequestration   |
| 44   | D571    | D571 Sickle-cell disease without crisis  |
| 44   | D5720   | D5720 Sickle-cell/Hb-C disease without crisis  |
| 44   | D57211  | D57211 Sickle-cell/Hb-C disease with acute chest syndrome                              |
| 44   | D57212  | D57212 Sickle-cell/Hb-C disease with splenic sequestration                             |
| 44   | D57219  | D57219 Sickle-cell/Hb-C disease with crisis, unspecified                               |
| 44   | D5740   | D5740 Sickle-cell thalassemia without crisis   |
| 44   | D57411  | D57411 Sickle-cell thalassemia with acute chest syndrome                               |
| 44   | D57412  | D57412 Sickle-cell thalassemia with splenic sequestration                              |
| 44   | D57419  | D57419 Sickle-cell thalassemia with crisis, unspecified                                |
| 44   | D5780   | D5780 Other sickle-cell disorders without crisis                                       |
| 44   | D57811  | D57811 Other sickle-cell disorders with acute chest syndrome                           |
| 44   | D57812  | D57812 Other sickle-cell disorders with splenic sequestration                          |
| 44   | D57819  | D57819 Other sickle-cell disorders with crisis, unspecified                            |
| 44   | D590    | D590 Drug-induced autoimmune hemolytic anemia  |
| 44   | D591    | D591 Other autoimmune hemolytic anemias  |
| 44   | D592    | D592 Drug-induced nonautoimmune hemolytic anemia                                       |
| 44   | D593    | D593 Hemolytic-uremic syndrome   |
| 44   | D594    | D594 Other nonautoimmune hemolytic anemias   |
| 44   | D595    | D595 Paroxysmal nocturnal hemoglobinuria [Marchiafava-Micheli]                         |
| 44   | D596    | D596 Hemoglobinuria due to hemolysis from other external causes                        |
| 44   | D598    | D598 Other acquired hemolytic anemias  |
| 44   | D599    | D599 Acquired hemolytic anemia, unspecified  |
| 44   | D600    | D600 Chronic acquired pure red cell aplasia  |
| 44   | D601    | D601 Transient acquired pure red cell aplasia  |
| 44   | D608    | D608 Other acquired pure red cell aplasias   |
| 44   | D609    | D609 Acquired pure red cell aplasia, unspecified                                       |
| 44   | D6101   | D6101 Constitutional (pure) red blood cell aplasia                                     |
| 44   | D6109   | D6109 Other constitutional aplastic anemia   |
| 44   | D611    | D611 Drug-induced aplastic anemia  |
| 44   | D612    | D612 Aplastic anemia due to other external agents                                      |
| 44   | D613    | D613 Idiopathic aplastic anemia  |
| 44   | D6182   | D6182 Myelophthisis  |
| 44   | D6189   | D6189 Other specified aplastic anemias and other bone marrow failure syndromes         |
| 44   | D619    | D619 Aplastic anemia, unspecified  |
| 44   | D66     | D66 Hereditary factor VIII deficiency  |
| 44   | D67     | D67 Hereditary factor IX deficiency  |
| 46   | C888    | C888 Other malignant immunoproliferative diseases                                      |
| 46   | C9440   | C9440 Acute panmyelosis with myelofibrosis not having achieved remission               |
| 46   | C9441   | C9441 Acute panmyelosis with myelofibrosis, in remission                               |
| 46   | C9442   | C9442 Acute panmyelosis with myelofibrosis, in relapse                                 |
| 46   | C946    | C946 Myelodysplastic disease, not classified   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10  | ICD10CM_desc  |
|------|---------|--------|---|
| 46   | D45     | D45    | Polycythemia vera   |
| 46   | D471    | D471   | Chronic myeloproliferative disease  |
| 46   | D473    | D473   | Essential (hemorrhagic) thrombocythemia   |
| 46   | D474    | D474   | Osteomyelofibrosis  |
| 46   | D479    | D479   | Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified     |
| 46   | D4729   | D4729  | Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue |
| 46   | D550    | D550   | Anemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency                             |
| 46   | D551    | D551   | Anemia due to other disorders of glutathione metabolism                                       |
| 46   | D552    | D552   | Anemia due to disorders of glycolytic enzymes   |
| 46   | D553    | D553   | Anemia due to disorders of nucleotide metabolism  |
| 46   | D558    | D558   | Other anemias due to enzyme disorders   |
| 46   | D559    | D559   | Anemia due to enzyme disorder, unspecified  |
| 46   | D564    | D564   | Hereditary persistence of fetal hemoglobin [HPFH]   |
| 46   | D568    | D568   | Other thalassemias  |
| 46   | D573    | D573   | Sickle-cell trait   |
| 46   | D580    | D580   | Hereditary spherocytosis  |
| 46   | D581    | D581   | Hereditary elliptocytosis   |
| 46   | D582    | D582   | Other hemoglobinopathies  |
| 46   | D588    | D588   | Other specified hereditary hemolytic anemias  |
| 46   | D589    | D589   | Hereditary hemolytic anemia, unspecified  |
| 46   | D640    | D640   | Hereditary sideroblastic anemia   |
| 46   | D641    | D641   | Secondary sideroblastic anemia due to disease   |
| 46   | D642    | D642   | Secondary sideroblastic anemia due to drugs and toxins  |
| 46   | D643    | D643   | Other sideroblastic anemias   |
| 46   | D65     | D65    | Disseminated intravascular coagulation [defibrination syndrome]                               |
| 46   | D680    | D680   | Von Willebrand's disease  |
| 46   | D681    | D681   | Hereditary factor XI deficiency   |
| 46   | D682    | D682   | Hereditary deficiency of other clotting factors   |
| 46   | D6832   | D6832  | Hemorrhagic disorder due to extrinsic circulating anticoagulants                              |
| 46   | D684    | D684   | Acquired coagulation factor deficiency  |
| 46   | D6851   | D6851  | Activated protein C resistance  |
| 46   | D6852   | D6852  | Prothrombin gene mutation   |
| 46   | D6859   | D6859  | Other primary thrombophilia   |
| 46   | D6861   | D6861  | Antiphospholipid syndrome   |
| 46   | D6862   | D6862  | Lupus anticoagulant syndrome  |
| 46   | D6869   | D6869  | Other thrombophilia   |
| 46   | D688    | D688   | Other specified coagulation defects   |
| 46   | D689    | D689   | Coagulation defect, unspecified   |
| 46   | D690    | D690   | Allergic purpura  |
| 46   | D691    | D691   | Qualitative platelet defects  |
| 46   | D692    | D692   | Other nonthrombocytopenic purpura   |
| 46   | D693    | D693   | Immune thrombocytopenic purpura   |
| 46   | D6941   | D6941  | Evans syndrome  |
| 46   | D6942   | D6942  | Congenital and hereditary thrombocytopenia purpura  |
| 46   | D6949   | D6949  | Other primary thrombocytopenia  |
| 46   | D696    | D696   | Thrombocytopenia, unspecified   |
| 46   | D698    | D698   | Other specified hemorrhagic conditions  |
| 46   | D699    | D699   | Hemorrhagic condition, unspecified  |
| 46   | D7581   | D7581  | Myelofibrosis   |
| 46   | D7589   | D7589  | Other specified diseases of blood and blood-forming organs                                    |
| 46   | D77     | D77    | Other disorders of blood and blood-forming organs in diseases classified elsewhere            |
| 46   | D892    | D892   | Hypergammaglobulinemia, unspecified   |
| 51   | F10121  | F10121 | Alcohol abuse with intoxication delirium  |
| 51   | F1014   | F1014  | Alcohol abuse with alcohol-induced mood disorder  |
| 51   | F10150  | F10150 | Alcohol abuse with alcohol-induced psychotic disorder with delusions                          |
| 51   | F10151  | F10151 | Alcohol abuse with alcohol-induced psychotic disorder with hallucinations                     |
| 51   | F10159  | F10159 | Alcohol abuse with alcohol-induced psychotic disorder, unspecified                            |
| 51   | F10180  | F10180 | Alcohol abuse with alcohol-induced anxiety disorder   |
| 51   | F10181  | F10181 | Alcohol abuse with alcohol-induced sexual dysfunction   |
| 51   | F10182  | F10182 | Alcohol abuse with alcohol-induced sleep disorder   |
| 51   | F10188  | F10188 | Alcohol abuse with other alcohol-induced disorder   |
| 51   | F1019   | F1019  | Alcohol abuse with unspecified alcohol-induced disorder                                       |
| 51   | F10221  | F10221 | Alcohol dependence with intoxication delirium   |
| 51   | F10230  | F10230 | Alcohol dependence with withdrawal, uncomplicated   |
| 51   | F10231  | F10231 | Alcohol dependence with withdrawal delirium   |
| 51   | F10232  | F10232 | Alcohol dependence with withdrawal with perceptual disturbance                                |
| 51   | F10239  | F10239 | Alcohol dependence with withdrawal, unspecified   |
| 51   | F1024   | F1024  | Alcohol dependence with alcohol-induced mood disorder   |
| 51   | F10250  | F10250 | Alcohol dependence with alcohol-induced psychotic disorder with delusions                     |
| 51   | F10251  | F10251 | Alcohol dependence with alcohol-induced psychotic disorder with hallucinations                |
| 51   | F10259  | F10259 | Alcohol dependence with alcohol-induced psychotic disorder, unspecified                       |
| 51   | F1026   | F1026  | Alcohol dependence with alcohol-induced persisting amnesic disorder                           |
| 51   | F1027   | F1027  | Alcohol dependence with alcohol-induced persisting dementia                                   |
| 51   | F10280  | F10280 | Alcohol dependence with alcohol-induced anxiety disorder                                      |
| 51   | F10281  | F10281 | Alcohol dependence with alcohol-induced sexual dysfunction                                    |
| 51   | F10282  | F10282 | Alcohol dependence with alcohol-induced sleep disorder  |
| 51   | F10288  | F10288 | Alcohol dependence with other alcohol-induced disorder  |
| 51   | F1029   | F1029  | Alcohol dependence with unspecified alcohol-induced disorder                                  |
| 51   | F10920  | F10920 | Alcohol use, unspecified with intoxication, uncomplicated                                     |
| 51   | F10921  | F10921 | Alcohol use, unspecified with intoxication delirium   |
| 51   | F10929  | F10929 | Alcohol use, unspecified with intoxication, unspecified                                       |
| 51   | F1094   | F1094  | Alcohol use, unspecified with alcohol-induced mood disorder                                   |
| 51   | F10950  | F10950 | Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions               |
| 51   | F10951  | F10951 | Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations          |
| 51   | F10959  | F10959 | Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified                 |
| 51   | F1096   | F1096  | Alcohol use, unspecified with alcohol-induced persisting amnesic disorder                     |
| 51   | F1097   | F1097  | Alcohol use, unspecified with alcohol-induced persisting dementia                             |
| 51   | F10980  | F10980 | Alcohol use, unspecified with alcohol-induced anxiety disorder                                |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 51   | F10981  | F10981 Alcohol use, unspecified with alcohol-induced sexual dysfunction  |
| 51   | F10982  | F10982 Alcohol use, unspecified with alcohol-induced sleep disorder  |
| 51   | F10988  | F10988 Alcohol use, unspecified with other alcohol-induced disorder  |
| 51   | F1099   | F1099 Alcohol use, unspecified with unspecified alcohol-induced disorder   |
| 51   | F11121  | F11121 Opioid abuse with intoxication delirium   |
| 51   | F11122  | F11122 Opioid abuse with intoxication with perceptual disturbance  |
| 51   | F1114   | F1114 Opioid abuse with opioid-induced mood disorder   |
| 51   | F11150  | F11150 Opioid abuse with opioid-induced psychotic disorder with delusions  |
| 51   | F11151  | F11151 Opioid abuse with opioid-induced psychotic disorder with hallucinations   |
| 51   | F11159  | F11159 Opioid abuse with opioid-induced psychotic disorder, unspecified  |
| 51   | F11181  | F11181 Opioid abuse with opioid-induced sexual dysfunction   |
| 51   | F11182  | F11182 Opioid abuse with opioid-induced sleep disorder   |
| 51   | F11188  | F11188 Opioid abuse with other opioid-induced disorder   |
| 51   | F1119   | F1119 Opioid abuse with unspecified opioid-induced disorder  |
| 51   | F11220  | F11220 Opioid dependence with intoxication, uncomplicated  |
| 51   | F11221  | F11221 Opioid dependence with intoxication delirium  |
| 51   | F11222  | F11222 Opioid dependence with intoxication with perceptual disturbance   |
| 51   | F11229  | F11229 Opioid dependence with intoxication, unspecified  |
| 51   | F1123   | F1123 Opioid dependence with withdrawal  |
| 51   | F1124   | F1124 Opioid dependence with opioid-induced mood disorder  |
| 51   | F11250  | F11250 Opioid dependence with opioid-induced psychotic disorder with delusions   |
| 51   | F11251  | F11251 Opioid dependence with opioid-induced psychotic disorder with hallucinations  |
| 51   | F11259  | F11259 Opioid dependence with opioid-induced psychotic disorder, unspecified   |
| 51   | F11281  | F11281 Opioid dependence with opioid-induced sexual dysfunction  |
| 51   | F11282  | F11282 Opioid dependence with opioid-induced sleep disorder  |
| 51   | F11288  | F11288 Opioid dependence with other opioid-induced disorder  |
| 51   | F1129   | F1129 Opioid dependence with unspecified opioid-induced disorder   |
| 51   | F11920  | F11920 Opioid use, unspecified with intoxication, uncomplicated  |
| 51   | F11921  | F11921 Opioid use, unspecified with intoxication delirium  |
| 51   | F11922  | F11922 Opioid use, unspecified with intoxication with perceptual disturbance   |
| 51   | F11929  | F11929 Opioid use, unspecified with intoxication, unspecified  |
| 51   | F1193   | F1193 Opioid use, unspecified with withdrawal  |
| 51   | F1194   | F1194 Opioid use, unspecified with opioid-induced mood disorder  |
| 51   | F11950  | F11950 Opioid use, unspecified with opioid-induced psychotic disorder with delusions   |
| 51   | F11951  | F11951 Opioid use, unspecified with opioid-induced psychotic disorder with hallucinations  |
| 51   | F11959  | F11959 Opioid use, unspecified with opioid-induced psychotic disorder, unspecified   |
| 51   | F11981  | F11981 Opioid use, unspecified with opioid-induced sexual dysfunction  |
| 51   | F11982  | F11982 Opioid use, unspecified with opioid-induced sleep disorder  |
| 51   | F11988  | F11988 Opioid use, unspecified with other opioid-induced disorder  |
| 51   | F1199   | F1199 Opioid use, unspecified with unspecified opioid-induced disorder   |
| 51   | F12120  | F12120 Cannabis abuse with intoxication, uncomplicated   |
| 51   | F12121  | F12121 Cannabis abuse with intoxication delirium   |
| 51   | F12122  | F12122 Cannabis abuse with intoxication with perceptual disturbance  |
| 51   | F12129  | F12129 Cannabis abuse with intoxication, unspecified   |
| 51   | F12150  | F12150 Cannabis abuse with psychotic disorder with delusions   |
| 51   | F12151  | F12151 Cannabis abuse with psychotic disorder with hallucinations  |
| 51   | F12159  | F12159 Cannabis abuse with psychotic disorder, unspecified   |
| 51   | F12180  | F12180 Cannabis abuse with cannabis-induced anxiety disorder   |
| 51   | F12188  | F12188 Cannabis abuse with other cannabis-induced disorder   |
| 51   | F1219   | F1219 Cannabis abuse with unspecified cannabis-induced disorder  |
| 51   | F12220  | F12220 Cannabis dependence with intoxication, uncomplicated  |
| 51   | F12221  | F12221 Cannabis dependence with intoxication delirium  |
| 51   | F12222  | F12222 Cannabis dependence with intoxication with perceptual disturbance   |
| 51   | F12229  | F12229 Cannabis dependence with intoxication, unspecified  |
| 51   | F12250  | F12250 Cannabis dependence with psychotic disorder with delusions  |
| 51   | F12251  | F12251 Cannabis dependence with psychotic disorder with hallucinations   |
| 51   | F12259  | F12259 Cannabis dependence with psychotic disorder, unspecified  |
| 51   | F12280  | F12280 Cannabis dependence with cannabis-induced anxiety disorder  |
| 51   | F12288  | F12288 Cannabis dependence with other cannabis-induced disorder  |
| 51   | F1229   | F1229 Cannabis dependence with unspecified cannabis-induced disorder   |
| 51   | F12920  | F12920 Cannabis use, unspecified with intoxication, uncomplicated  |
| 51   | F12921  | F12921 Cannabis use, unspecified with intoxication delirium  |
| 51   | F12922  | F12922 Cannabis use, unspecified with intoxication with perceptual disturbance   |
| 51   | F12929  | F12929 Cannabis use, unspecified with intoxication, unspecified  |
| 51   | F12950  | F12950 Cannabis use, unspecified with psychotic disorder with delusions  |
| 51   | F12951  | F12951 Cannabis use, unspecified with psychotic disorder with hallucinations   |
| 51   | F12959  | F12959 Cannabis use, unspecified with psychotic disorder, unspecified  |
| 51   | F12980  | F12980 Cannabis use, unspecified with anxiety disorder   |
| 51   | F12988  | F12988 Cannabis use, unspecified with other cannabis-induced disorder  |
| 51   | F1299   | F1299 Cannabis use, unspecified with unspecified cannabis-induced disorder   |
| 51   | F13121  | F13121 Sedative, hypnotic or anxiolytic abuse with intoxication delirium   |
| 51   | F13129  | F13129 Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified   |
| 51   | F1314   | F1314 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder                           |
| 51   | F13150  | F13150 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions      |
| 51   | F13151  | F13151 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations |
| 51   | F13159  | F13159 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified        |
| 51   | F13180  | F13180 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder                       |
| 51   | F13181  | F13181 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction                     |
| 51   | F13182  | F13182 Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder                         |
| 51   | F13188  | F13188 Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder                         |
| 51   | F1319   | F1319 Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder                    |
| 51   | F13220  | F13220 Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated  |
| 51   | F13221  | F13221 Sedative, hypnotic or anxiolytic dependence with intoxication delirium  |
| 51   | F13229  | F13229 Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified  |
| 51   | F13230  | F13230 Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated  |
| 51   | F13231  | F13231 Sedative, hypnotic or anxiolytic dependence with withdrawal delirium  |
| 51   | F13232  | F13232 Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance                                     |
| 51   | F13239  | F13239 Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified  |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 51   | F1324   | Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder                                       |
| 51   | F13250  | F13250 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions            |
| 51   | F13251  | F13251 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations       |
| 51   | F13259  | F13259 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified              |
| 51   | F1326   | F1326 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder                   |
| 51   | F1327   | F1327 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia                           |
| 51   | F13280  | F13280 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder                             |
| 51   | F13281  | F13281 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction                           |
| 51   | F13282  | F13282 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder                               |
| 51   | F13288  | F13288 Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder                               |
| 51   | F1329   | F1329 Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder                          |
| 51   | F13920  | F13920 Sedative, hypnotic or anxiolytic use, unspecified with intoxication, uncomplicated   |
| 51   | F13921  | F13921 Sedative, hypnotic or anxiolytic use, unspecified with intoxication delirium   |
| 51   | F13929  | F13929 Sedative, hypnotic or anxiolytic use, unspecified with intoxication, unspecified   |
| 51   | F13930  | F13930 Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, uncomplicated   |
| 51   | F13931  | F13931 Sedative, hypnotic or anxiolytic use, unspecified with withdrawal delirium   |
| 51   | F13932  | F13932 Sedative, hypnotic or anxiolytic use, unspecified with withdrawal with perceptual disturbances   |
| 51   | F13939  | F13939 Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, unspecified   |
| 51   | F1394   | F1394 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced mood disorder                           |
| 51   | F13950  | F13950 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions      |
| 51   | F13951  | F13951 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations |
| 51   | F13959  | F13959 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified        |
| 51   | F1396   | F1396 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder             |
| 51   | F1397   | F1397 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting dementia                     |
| 51   | F13980  | F13980 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced anxiety disorder                       |
| 51   | F13981  | F13981 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sexual dysfunction                     |
| 51   | F13982  | F13982 Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sleep disorder                         |
| 51   | F13988  | F13988 Sedative, hypnotic or anxiolytic use, unspecified with other sedative, hypnotic or anxiolytic-induced disorder                         |
| 51   | F1399   | F1399 Sedative, hypnotic or anxiolytic use, unspecified with unspecified sedative, hypnotic or anxiolytic-induced disorder                    |
| 51   | F14121  | F14121 Cocaine abuse with intoxication with delirium  |
| 51   | F14122  | F14122 Cocaine abuse with intoxication with perceptual disturbance  |
| 51   | F14129  | F14129 Cocaine abuse with intoxication, unspecified   |
| 51   | F1414   | F1414 Cocaine abuse with cocaine-induced mood disorder  |
| 51   | F14150  | F14150 Cocaine abuse with cocaine-induced psychotic disorder with delusions   |
| 51   | F14151  | F14151 Cocaine abuse with cocaine-induced psychotic disorder with hallucinations  |
| 51   | F14159  | F14159 Cocaine abuse with cocaine-induced psychotic disorder, unspecified   |
| 51   | F14180  | F14180 Cocaine abuse with cocaine-induced anxiety disorder  |
| 51   | F14181  | F14181 Cocaine abuse with cocaine-induced sexual dysfunction  |
| 51   | F14182  | F14182 Cocaine abuse with cocaine-induced sleep disorder  |
| 51   | F14188  | F14188 Cocaine abuse with other cocaine-induced disorder  |
| 51   | F1419   | F1419 Cocaine abuse with unspecified cocaine-induced disorder   |
| 51   | F14220  | F14220 Cocaine dependence with intoxication, uncomplicated  |
| 51   | F14221  | F14221 Cocaine dependence with intoxication delirium  |
| 51   | F14222  | F14222 Cocaine dependence with intoxication with perceptual disturbance   |
| 51   | F14229  | F14229 Cocaine dependence with intoxication, unspecified  |
| 51   | F1423   | F1423 Cocaine dependence with withdrawal  |
| 51   | F1424   | F1424 Cocaine dependence with cocaine-induced mood disorder   |
| 51   | F14250  | F14250 Cocaine dependence with cocaine-induced psychotic disorder with delusions  |
| 51   | F14251  | F14251 Cocaine dependence with cocaine-induced psychotic disorder with hallucinations   |
| 51   | F14259  | F14259 Cocaine dependence with cocaine-induced psychotic disorder, unspecified  |
| 51   | F14280  | F14280 Cocaine dependence with cocaine-induced anxiety disorder   |
| 51   | F14281  | F14281 Cocaine dependence with cocaine-induced sexual dysfunction   |
| 51   | F14282  | F14282 Cocaine dependence with cocaine-induced sleep disorder   |
| 51   | F14288  | F14288 Cocaine dependence with other cocaine-induced disorder   |
| 51   | F1429   | F1429 Cocaine dependence with unspecified cocaine-induced disorder  |
| 51   | F14920  | F14920 Cocaine use, unspecified with intoxication, uncomplicated  |
| 51   | F14921  | F14921 Cocaine use, unspecified with intoxication delirium  |
| 51   | F14922  | F14922 Cocaine use, unspecified with intoxication with perceptual disturbance   |
| 51   | F14929  | F14929 Cocaine use, unspecified with intoxication, unspecified  |
| 51   | F1494   | F1494 Cocaine use, unspecified with cocaine-induced mood disorder   |
| 51   | F14950  | F14950 Cocaine use, unspecified with cocaine-induced psychotic disorder with delusions  |
| 51   | F14951  | F14951 Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations   |
| 51   | F14959  | F14959 Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified  |
| 51   | F14980  | F14980 Cocaine use, unspecified with cocaine-induced anxiety disorder   |
| 51   | F14981  | F14981 Cocaine use, unspecified with cocaine-induced sexual dysfunction   |
| 51   | F14982  | F14982 Cocaine use, unspecified with cocaine-induced sleep disorder   |
| 51   | F14988  | F14988 Cocaine use, unspecified with other cocaine-induced disorder   |
| 51   | F1499   | F1499 Cocaine use, unspecified with unspecified cocaine-induced disorder  |
| 51   | F15121  | F15121 Other stimulant abuse with intoxication delirium   |
| 51   | F15122  | F15122 Other stimulant abuse with intoxication with perceptual disturbance  |
| 51   | F15129  | F15129 Other stimulant abuse with intoxication, unspecified   |
| 51   | F1514   | F1514 Other stimulant abuse with stimulant-induced mood disorder  |
| 51   | F15150  | F15150 Other stimulant abuse with stimulant-induced psychotic disorder with delusions   |
| 51   | F15151  | F15151 Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations  |
| 51   | F15159  | F15159 Other stimulant abuse with stimulant-induced psychotic disorder, unspecified   |
| 51   | F15180  | F15180 Other stimulant abuse with stimulant-induced anxiety disorder  |
| 51   | F15181  | F15181 Other stimulant abuse with stimulant-induced sexual dysfunction  |
| 51   | F15182  | F15182 Other stimulant abuse with stimulant-induced sleep disorder  |
| 51   | F15188  | F15188 Other stimulant abuse with other stimulant-induced disorder  |
| 51   | F1519   | F1519 Other stimulant abuse with unspecified stimulant-induced disorder   |
| 51   | F15220  | F15220 Other stimulant dependence with intoxication, uncomplicated  |
| 51   | F15221  | F15221 Other stimulant dependence with intoxication delirium  |
| 51   | F15222  | F15222 Other stimulant dependence with intoxication with perceptual disturbance   |
| 51   | F15229  | F15229 Other stimulant dependence with intoxication, unspecified  |
| 51   | F1523   | F1523 Other stimulant dependence with withdrawal  |
| 51   | F1524   | F1524 Other stimulant dependence with stimulant-induced mood disorder   |
| 51   | F15250  | F15250 Other stimulant dependence with stimulant-induced psychotic disorder with delusions  |
| 51   | F15251  | F15251 Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 51   | F15259  | F15259 Other stimulant dependence with stimulant-induced psychotic disorder, unspecified              |
| 51   | F15280  | F15280 Other stimulant dependence with stimulant-induced anxiety disorder                             |
| 51   | F15281  | F15281 Other stimulant dependence with stimulant-induced sexual dysfunction                           |
| 51   | F15282  | F15282 Other stimulant dependence with stimulant-induced sleep disorder                               |
| 51   | F15288  | F15288 Other stimulant dependence with other stimulant-induced disorder                               |
| 51   | F1529   | F1529 Other stimulant dependence with unspecified stimulant-induced disorder                          |
| 51   | F15920  | F15920 Other stimulant use, unspecified with intoxication, uncomplicated                              |
| 51   | F15921  | F15921 Other stimulant use, unspecified with intoxication delirium                                    |
| 51   | F15922  | F15922 Other stimulant use, unspecified with intoxication with perceptual disturbance                 |
| 51   | F15929  | F15929 Other stimulant use, unspecified with intoxication, unspecified                                |
| 51   | F1593   | F1593 Other stimulant use, unspecified with withdrawal  |
| 51   | F1594   | F1594 Other stimulant use, unspecified with stimulant-induced mood disorder                           |
| 51   | F15950  | F15950 Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions      |
| 51   | F15951  | F15951 Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucinations |
| 51   | F15959  | F15959 Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified        |
| 51   | F15980  | F15980 Other stimulant use, unspecified with stimulant-induced anxiety disorder                       |
| 51   | F15981  | F15981 Other stimulant use, unspecified with stimulant-induced sexual dysfunction                     |
| 51   | F15982  | F15982 Other stimulant use, unspecified with stimulant-induced sleep disorder                         |
| 51   | F15988  | F15988 Other stimulant use, unspecified with other stimulant-induced disorder                         |
| 51   | F1599   | F1599 Other stimulant use, unspecified with unspecified stimulant-induced disorder                    |
| 51   | F16121  | F16121 Hallucinogen abuse with intoxication with delirium   |
| 51   | F16122  | F16122 Hallucinogen abuse with intoxication with perceptual disturbance                               |
| 51   | F16129  | F16129 Hallucinogen abuse with intoxication, unspecified  |
| 51   | F1614   | F1614 Hallucinogen abuse with hallucinogen-induced mood disorder                                      |
| 51   | F16150  | F16150 Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions                 |
| 51   | F16151  | F16151 Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations            |
| 51   | F16159  | F16159 Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified                   |
| 51   | F16180  | F16180 Hallucinogen abuse with hallucinogen-induced anxiety disorder                                  |
| 51   | F16183  | F16183 Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)               |
| 51   | F16188  | F16188 Hallucinogen abuse with other hallucinogen-induced disorder                                    |
| 51   | F1619   | F1619 Hallucinogen abuse with unspecified hallucinogen-induced disorder                               |
| 51   | F16220  | F16220 Hallucinogen dependence with intoxication, uncomplicated                                       |
| 51   | F16221  | F16221 Hallucinogen dependence with intoxication with delirium  |
| 51   | F16229  | F16229 Hallucinogen dependence with intoxication, unspecified   |
| 51   | F1624   | F1624 Hallucinogen dependence with hallucinogen-induced mood disorder                                 |
| 51   | F16250  | F16250 Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions            |
| 51   | F16251  | F16251 Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations       |
| 51   | F16259  | F16259 Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified              |
| 51   | F16280  | F16280 Hallucinogen dependence with hallucinogen-induced anxiety disorder                             |
| 51   | F16283  | F16283 Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)          |
| 51   | F16288  | F16288 Hallucinogen dependence with other hallucinogen-induced disorder                               |
| 51   | F1629   | F1629 Hallucinogen dependence with unspecified hallucinogen-induced disorder                          |
| 51   | F16920  | F16920 Hallucinogen use, unspecified with intoxication, uncomplicated                                 |
| 51   | F16921  | F16921 Hallucinogen use, unspecified with intoxication with delirium                                  |
| 51   | F16929  | F16929 Hallucinogen use, unspecified with intoxication, unspecified                                   |
| 51   | F1694   | F1694 Hallucinogen use, unspecified with hallucinogen-induced mood disorder                           |
| 51   | F16950  | F16950 Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions      |
| 51   | F16951  | F16951 Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinations |
| 51   | F16959  | F16959 Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified        |
| 51   | F16980  | F16980 Hallucinogen use, unspecified with hallucinogen-induced anxiety disorder                       |
| 51   | F16983  | F16983 Hallucinogen use, unspecified with hallucinogen persisting perception disorder (flashbacks)    |
| 51   | F16988  | F16988 Hallucinogen use, unspecified with other hallucinogen-induced disorder                         |
| 51   | F1699   | F1699 Hallucinogen use, unspecified with unspecified hallucinogen-induced disorder                    |
| 51   | F17203  | F17203 Nicotine dependence unspecified, with withdrawal   |
| 51   | F17208  | F17208 Nicotine dependence, unspecified, with other nicotine-induced disorders                        |
| 51   | F17209  | F17209 Nicotine dependence, unspecified, with unspecified nicotine-induced disorders                  |
| 51   | F17213  | F17213 Nicotine dependence, cigarettes, with withdrawal   |
| 51   | F17218  | F17218 Nicotine dependence, cigarettes, with other nicotine-induced disorders                         |
| 51   | F17219  | F17219 Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders                   |
| 51   | F17223  | F17223 Nicotine dependence, chewing tobacco, with withdrawal  |
| 51   | F17228  | F17228 Nicotine dependence, chewing tobacco, with other nicotine-induced disorders                    |
| 51   | F17229  | F17229 Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders              |
| 51   | F17293  | F17293 Nicotine dependence, other tobacco product, with withdrawal                                    |
| 51   | F17298  | F17298 Nicotine dependence, other tobacco product, with other nicotine-induced disorders              |
| 51   | F17299  | F17299 Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders        |
| 51   | F18120  | F18120 Inhalant abuse with intoxication, uncomplicated  |
| 51   | F18121  | F18121 Inhalant abuse with intoxication delirium  |
| 51   | F18129  | F18129 Inhalant abuse with intoxication, unspecified  |
| 51   | F1814   | F1814 Inhalant abuse with inhalant-induced mood disorder  |
| 51   | F18150  | F18150 Inhalant abuse with inhalant-induced psychotic disorder with delusions                         |
| 51   | F18151  | F18151 Inhalant abuse with inhalant-induced psychotic disorder with hallucinations                    |
| 51   | F18159  | F18159 Inhalant abuse with inhalant-induced psychotic disorder, unspecified                           |
| 51   | F1817   | F1817 Inhalant abuse with inhalant-induced dementia   |
| 51   | F18180  | F18180 Inhalant abuse with inhalant-induced anxiety disorder  |
| 51   | F18188  | F18188 Inhalant abuse with other inhalant-induced disorder  |
| 51   | F1819   | F1819 Inhalant abuse with unspecified inhalant-induced disorder                                       |
| 51   | F18220  | F18220 Inhalant dependence with intoxication, uncomplicated   |
| 51   | F18221  | F18221 Inhalant dependence with intoxication delirium   |
| 51   | F18229  | F18229 Inhalant dependence with intoxication, unspecified   |
| 51   | F1824   | F1824 Inhalant dependence with inhalant-induced mood disorder   |
| 51   | F18250  | F18250 Inhalant dependence with inhalant-induced psychotic disorder with delusions                    |
| 51   | F18251  | F18251 Inhalant dependence with inhalant-induced psychotic disorder with hallucinations               |
| 51   | F18259  | F18259 Inhalant dependence with inhalant-induced psychotic disorder, unspecified                      |
| 51   | F1827   | F1827 Inhalant dependence with inhalant-induced dementia  |
| 51   | F18280  | F18280 Inhalant dependence with inhalant-induced anxiety disorder                                     |
| 51   | F18288  | F18288 Inhalant dependence with other inhalant-induced disorder                                       |
| 51   | F1829   | F1829 Inhalant dependence with unspecified inhalant-induced disorder                                  |
| 51   | F18920  | F18920 Inhalant use, unspecified with intoxication, uncomplicated                                     |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 51   | F18921  | F18921 Inhalant use, unspecified with intoxication with delirium  |
| 51   | F18929  | F18929 Inhalant use, unspecified with intoxication, unspecified   |
| 51   | F1894   | F1894 Inhalant use, unspecified with inhalant-induced mood disorder   |
| 51   | F18950  | F18950 Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions  |
| 51   | F18951  | F18951 Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations                                   |
| 51   | F18959  | F18959 Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified  |
| 51   | F1897   | F1897 Inhalant use, unspecified with inhalant-induced persisting dementia   |
| 51   | F18980  | F18980 Inhalant use, unspecified with inhalant-induced anxiety disorder   |
| 51   | F18988  | F18988 Inhalant use, unspecified with other inhalant-induced disorder   |
| 51   | F1899   | F1899 Inhalant use, unspecified with unspecified inhalant-induced disorder  |
| 51   | F19121  | F19121 Other psychoactive substance abuse with intoxication delirium  |
| 51   | F19122  | F19122 Other psychoactive substance abuse with intoxication with perceptual disturbances  |
| 51   | F19129  | F19129 Other psychoactive substance abuse with intoxication, unspecified  |
| 51   | F1914   | F1914 Other psychoactive substance abuse with psychoactive substance-induced mood disorder                                      |
| 51   | F19150  | F19150 Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions                 |
| 51   | F19151  | F19151 Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations            |
| 51   | F19159  | F19159 Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified                   |
| 51   | F1916   | F1916 Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder                        |
| 51   | F1917   | F1917 Other psychoactive substance abuse with psychoactive substance-induced persisting dementia                                |
| 51   | F19180  | F19180 Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder                                  |
| 51   | F19181  | F19181 Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction                                |
| 51   | F19182  | F19182 Other psychoactive substance abuse with psychoactive substance-induced sleep disorder                                    |
| 51   | F19188  | F19188 Other psychoactive substance abuse with other psychoactive substance-induced disorder                                    |
| 51   | F1919   | F1919 Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder                               |
| 51   | F1921   | F1921 Other psychoactive substance dependence, in remission   |
| 51   | F19220  | F19220 Other psychoactive substance dependence with intoxication, uncomplicated   |
| 51   | F19221  | F19221 Other psychoactive substance dependence with intoxication delirium   |
| 51   | F19222  | F19222 Other psychoactive substance dependence with intoxication with perceptual disturbance                                    |
| 51   | F19229  | F19229 Other psychoactive substance dependence with intoxication, unspecified   |
| 51   | F19230  | F19230 Other psychoactive substance dependence with withdrawal, uncomplicated   |
| 51   | F19231  | F19231 Other psychoactive substance dependence with withdrawal delirium   |
| 51   | F19232  | F19232 Other psychoactive substance dependence with withdrawal with perceptual disturbance                                      |
| 51   | F19239  | F19239 Other psychoactive substance dependence with withdrawal, unspecified   |
| 51   | F1924   | F1924 Other psychoactive substance dependence with psychoactive substance-induced mood disorder                                 |
| 51   | F19250  | F19250 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions            |
| 51   | F19251  | F19251 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations       |
| 51   | F19259  | F19259 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified              |
| 51   | F1926   | F1926 Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder                   |
| 51   | F1927   | F1927 Other psychoactive substance dependence with psychoactive substance-induced persisting dementia                           |
| 51   | F19280  | F19280 Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder                             |
| 51   | F19281  | F19281 Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction                           |
| 51   | F19282  | F19282 Other psychoactive substance dependence with psychoactive substance-induced sleep disorder                               |
| 51   | F19288  | F19288 Other psychoactive substance dependence with other psychoactive substance-induced disorder                               |
| 51   | F1929   | F1929 Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder                          |
| 51   | F19920  | F19920 Other psychoactive substance use, unspecified with intoxication, uncomplicated   |
| 51   | F19921  | F19921 Other psychoactive substance use, unspecified with intoxication with delirium  |
| 51   | F19922  | F19922 Other psychoactive substance use, unspecified with intoxication with perceptual disturbance                              |
| 51   | F19929  | F19929 Other psychoactive substance use, unspecified with intoxication, unspecified   |
| 51   | F19930  | F19930 Other psychoactive substance use, unspecified with withdrawal, uncomplicated   |
| 51   | F19931  | F19931 Other psychoactive substance use, unspecified with withdrawal delirium   |
| 51   | F19932  | F19932 Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance                                |
| 51   | F19939  | F19939 Other psychoactive substance use, unspecified with withdrawal, unspecified   |
| 51   | F1994   | F1994 Other psychoactive substance use, unspecified with psychoactive substance-induced mood disorder                           |
| 51   | F19950  | F19950 Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions      |
| 51   | F19951  | F19951 Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations |
| 51   | F19959  | F19959 Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified        |
| 51   | F1996   | F1996 Other psychoactive substance use, unspecified with psychoactive substance-induced persisting amnesic disorder             |
| 51   | F1997   | F1997 Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia                     |
| 51   | F19980  | F19980 Other psychoactive substance use, unspecified with psychoactive substance-induced anxiety disorder                       |
| 51   | F19981  | F19981 Other psychoactive substance use, unspecified with psychoactive substance-induced sexual dysfunction                     |
| 51   | F19982  | F19982 Other psychoactive substance use, unspecified with psychoactive substance-induced sleep disorder                         |
| 51   | F19988  | F19988 Other psychoactive substance use, unspecified with other psychoactive substance-induced disorder                         |
| 51   | F1999   | F1999 Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder                    |
| 52   | F1020   | F1020 Alcohol dependence, uncomplicated   |
| 52   | F1021   | F1021 Alcohol dependence, in remission  |
| 52   | F10220  | F10220 Alcohol dependence with intoxication, uncomplicated  |
| 52   | F10229  | F10229 Alcohol dependence with intoxication, unspecified  |
| 52   | F1120   | F1120 Opioid dependence, uncomplicated  |
| 52   | F1121   | F1121 Opioid dependence, in remission   |
| 52   | F11220  | F11220 Opioid dependence with intoxication, uncomplicated   |
| 52   | F11221  | F11221 Opioid dependence with intoxication delirium   |
| 52   | F11222  | F11222 Opioid dependence with intoxication with perceptual disturbance  |
| 52   | F11229  | F11229 Opioid dependence with intoxication, unspecified   |
| 52   | F1123   | F1123 Opioid dependence with withdrawal   |
| 52   | F1124   | F1124 Opioid dependence with opioid-induced mood disorder   |
| 52   | F11250  | F11250 Opioid dependence with opioid-induced psychotic disorder with delusions  |
| 52   | F11251  | F11251 Opioid dependence with opioid-induced psychotic disorder with hallucinations   |
| 52   | F11259  | F11259 Opioid dependence with opioid-induced psychotic disorder, unspecified  |
| 52   | F11281  | F11281 Opioid dependence with opioid-induced sexual dysfunction   |
| 52   | F11282  | F11282 Opioid dependence with opioid-induced sleep disorder   |
| 52   | F11288  | F11288 Opioid dependence with other opioid-induced disorder   |
| 52   | F1129   | F1129 Opioid dependence with unspecified opioid-induced disorder  |
| 52   | F1220   | F1220 Cannabis dependence, uncomplicated  |
| 52   | F1221   | F1221 Cannabis dependence, in remission   |
| 52   | F12220  | F12220 Cannabis dependence with intoxication, uncomplicated   |
| 52   | F12221  | F12221 Cannabis dependence with intoxication delirium   |
| 52   | F12222  | F12222 Cannabis dependence with intoxication with perceptual disturbance  |
| 52   | F12229  | F12229 Cannabis dependence with intoxication, unspecified   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>   |
|-------------|----------------|---|
| 52          | F12250         | F12250 Cannabis dependence with psychotic disorder with delusions   |
| 52          | F12251         | F12251 Cannabis dependence with psychotic disorder with hallucinations  |
| 52          | F12259         | F12259 Cannabis dependence with psychotic disorder, unspecified   |
| 52          | F12280         | F12280 Cannabis dependence with cannabis-induced anxiety disorder   |
| 52          | F12288         | F12288 Cannabis dependence with other cannabis-induced disorder   |
| 52          | F1229          | F1229 Cannabis dependence with unspecified cannabis-induced disorder  |
| 52          | F1320          | F1320 Sedative, hypnotic or anxiolytic dependence, uncomplicated  |
| 52          | F1321          | F1321 Sedative, hypnotic or anxiolytic dependence, in remission   |
| 52          | F13220         | F13220 Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated   |
| 52          | F13221         | F13221 Sedative, hypnotic or anxiolytic dependence with intoxication delirium   |
| 52          | F13229         | F13229 Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified   |
| 52          | F13230         | F13230 Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated   |
| 52          | F13231         | F13231 Sedative, hypnotic or anxiolytic dependence with withdrawal delirium   |
| 52          | F13232         | F13232 Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance  |
| 52          | F13239         | F13239 Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified   |
| 52          | F1324          | F1324 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder                           |
| 52          | F13250         | F13250 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions      |
| 52          | F13251         | F13251 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations |
| 52          | F13259         | F13259 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified        |
| 52          | F1326          | F1326 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder             |
| 52          | F1327          | F1327 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia                     |
| 52          | F13280         | F13280 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder                       |
| 52          | F13281         | F13281 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction                     |
| 52          | F13282         | F13282 Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder                         |
| 52          | F13288         | F13288 Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder                         |
| 52          | F1329          | F1329 Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder                    |
| 52          | F1420          | F1420 Cocaine dependence, uncomplicated   |
| 52          | F1421          | F1421 Cocaine dependence, in remission  |
| 52          | F14220         | F14220 Cocaine dependence with intoxication, uncomplicated  |
| 52          | F14221         | F14221 Cocaine dependence with intoxication delirium  |
| 52          | F14222         | F14222 Cocaine dependence with intoxication with perceptual disturbance   |
| 52          | F14229         | F14229 Cocaine dependence with intoxication, unspecified  |
| 52          | F1423          | F1423 Cocaine dependence with withdrawal  |
| 52          | F1424          | F1424 Cocaine dependence with cocaine-induced mood disorder   |
| 52          | F14250         | F14250 Cocaine dependence with cocaine-induced psychotic disorder with delusions  |
| 52          | F14251         | F14251 Cocaine dependence with cocaine-induced psychotic disorder with hallucinations   |
| 52          | F14259         | F14259 Cocaine dependence with cocaine-induced psychotic disorder, unspecified  |
| 52          | F14280         | F14280 Cocaine dependence with cocaine-induced anxiety disorder   |
| 52          | F14281         | F14281 Cocaine dependence with cocaine-induced sexual dysfunction   |
| 52          | F14282         | F14282 Cocaine dependence with cocaine-induced sleep disorder   |
| 52          | F14288         | F14288 Cocaine dependence with other cocaine-induced disorder   |
| 52          | F1429          | F1429 Cocaine dependence with unspecified cocaine-induced disorder  |
| 52          | F1520          | F1520 Other stimulant dependence, uncomplicated   |
| 52          | F1521          | F1521 Other stimulant dependence, in remission  |
| 52          | F15220         | F15220 Other stimulant dependence with intoxication, uncomplicated  |
| 52          | F15221         | F15221 Other stimulant dependence with intoxication delirium  |
| 52          | F15222         | F15222 Other stimulant dependence with intoxication with perceptual disturbance   |
| 52          | F15229         | F15229 Other stimulant dependence with intoxication, unspecified  |
| 52          | F1523          | F1523 Other stimulant dependence with withdrawal  |
| 52          | F1524          | F1524 Other stimulant dependence with stimulant-induced mood disorder   |
| 52          | F15250         | F15250 Other stimulant dependence with stimulant-induced psychotic disorder with delusions  |
| 52          | F15251         | F15251 Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations   |
| 52          | F15259         | F15259 Other stimulant dependence with stimulant-induced psychotic disorder, unspecified  |
| 52          | F15280         | F15280 Other stimulant dependence with stimulant-induced anxiety disorder   |
| 52          | F15281         | F15281 Other stimulant dependence with stimulant-induced sexual dysfunction   |
| 52          | F15282         | F15282 Other stimulant dependence with stimulant-induced sleep disorder   |
| 52          | F15288         | F15288 Other stimulant dependence with other stimulant-induced disorder   |
| 52          | F1529          | F1529 Other stimulant dependence with unspecified stimulant-induced disorder  |
| 52          | F1620          | F1620 Hallucinogen dependence, uncomplicated  |
| 52          | F1621          | F1621 Hallucinogen dependence, in remission   |
| 52          | F16220         | F16220 Hallucinogen dependence with intoxication, uncomplicated   |
| 52          | F16221         | F16221 Hallucinogen dependence with intoxication with delirium  |
| 52          | F16229         | F16229 Hallucinogen dependence with intoxication, unspecified   |
| 52          | F1624          | F1624 Hallucinogen dependence with hallucinogen-induced mood disorder   |
| 52          | F16250         | F16250 Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions  |
| 52          | F16251         | F16251 Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations   |
| 52          | F16259         | F16259 Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified  |
| 52          | F16280         | F16280 Hallucinogen dependence with hallucinogen-induced anxiety disorder   |
| 52          | F16283         | F16283 Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)  |
| 52          | F16288         | F16288 Hallucinogen dependence with other hallucinogen-induced disorder   |
| 52          | F1629          | F1629 Hallucinogen dependence with unspecified hallucinogen-induced disorder  |
| 52          | F1820          | F1820 Inhalant dependence, uncomplicated  |
| 52          | F1821          | F1821 Inhalant dependence, in remission   |
| 52          | F18220         | F18220 Inhalant dependence with intoxication, uncomplicated   |
| 52          | F18221         | F18221 Inhalant dependence with intoxication delirium   |
| 52          | F18229         | F18229 Inhalant dependence with intoxication, unspecified   |
| 52          | F1824          | F1824 Inhalant dependence with inhalant-induced mood disorder   |
| 52          | F18250         | F18250 Inhalant dependence with inhalant-induced psychotic disorder with delusions  |
| 52          | F18251         | F18251 Inhalant dependence with inhalant-induced psychotic disorder with hallucinations   |
| 52          | F18259         | F18259 Inhalant dependence with inhalant-induced psychotic disorder, unspecified  |
| 52          | F1827          | F1827 Inhalant dependence with inhalant-induced dementia  |
| 52          | F18280         | F18280 Inhalant dependence with inhalant-induced anxiety disorder   |
| 52          | F18288         | F18288 Inhalant dependence with other inhalant-induced disorder   |
| 52          | F1829          | F1829 Inhalant dependence with unspecified inhalant-induced disorder  |
| 52          | F1920          | F1920 Other psychoactive substance dependence, uncomplicated  |
| 52          | F1921          | F1921 Other psychoactive substance dependence, in remission   |
| 52          | F19220         | F19220 Other psychoactive substance dependence with intoxication, uncomplicated   |
| 52          | F19221         | F19221 Other psychoactive substance dependence with intoxication delirium   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 52   | F19222  | F19222 Other psychoactive substance dependence with intoxication with perceptual disturbance                              |
| 52   | F19229  | F19229 Other psychoactive substance dependence with intoxication, unspecified   |
| 52   | F19230  | F19230 Other psychoactive substance dependence with withdrawal, uncomplicated   |
| 52   | F19231  | F19231 Other psychoactive substance dependence with withdrawal delirium   |
| 52   | F19232  | F19232 Other psychoactive substance dependence with withdrawal with perceptual disturbance                                |
| 52   | F19239  | F19239 Other psychoactive substance dependence with withdrawal, unspecified   |
| 52   | F1924   | F1924 Other psychoactive substance dependence with psychoactive substance-induced mood disorder                           |
| 52   | F19250  | F19250 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions      |
| 52   | F19251  | F19251 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations |
| 52   | F19259  | F19259 Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified        |
| 52   | F1926   | F1926 Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder             |
| 52   | F1927   | F1927 Other psychoactive substance dependence with psychoactive substance-induced persisting dementia                     |
| 52   | F19280  | F19280 Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder                       |
| 52   | F19281  | F19281 Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction                     |
| 52   | F19282  | F19282 Other psychoactive substance dependence with psychoactive substance-induced sleep disorder                         |
| 52   | F19288  | F19288 Other psychoactive substance dependence with other psychoactive substance-induced disorder                         |
| 52   | F1929   | F1929 Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder                    |
| 54   | F200    | F200 Paranoid schizophrenia   |
| 54   | F201    | F201 Disorganized schizophrenia   |
| 54   | F202    | F202 Catatonic schizophrenia  |
| 54   | F203    | F203 Undifferentiated schizophrenia   |
| 54   | F205    | F205 Residual schizophrenia   |
| 54   | F2081   | F2081 Schizophreniform disorder   |
| 54   | F2089   | F2089 Other schizophrenia   |
| 54   | F209    | F209 Schizophrenia, unspecified   |
| 54   | F250    | F250 Schizoaffective disorder, bipolar type   |
| 54   | F251    | F251 Schizoaffective disorder, depressive type  |
| 54   | F258    | F258 Other schizoaffective disorders  |
| 54   | F259    | F259 Schizoaffective disorder, unspecified  |
| 55   | F22     | F22 Delusional disorders  |
| 55   | F24     | F24 Shared psychotic disorder   |
| 55   | F3010   | F3010 Manic episode without psychotic symptoms, unspecified   |
| 55   | F3011   | F3011 Manic episode without psychotic symptoms, mild  |
| 55   | F3012   | F3012 Manic episode without psychotic symptoms, moderate  |
| 55   | F3013   | F3013 Manic episode, severe, without psychotic symptoms   |
| 55   | F302    | F302 Manic episode, severe with psychotic symptoms  |
| 55   | F303    | F303 Manic episode in partial remission   |
| 55   | F304    | F304 Manic episode in full remission  |
| 55   | F308    | F308 Other manic episodes   |
| 55   | F309    | F309 Manic episode, unspecified   |
| 55   | F310    | F310 Bipolar disorder, current episode hypomanic  |
| 55   | F3110   | F3110 Bipolar disorder, current episode manic without psychotic features, unspecified                                     |
| 55   | F3111   | F3111 Bipolar disorder, current episode manic without psychotic features, mild  |
| 55   | F3112   | F3112 Bipolar disorder, current episode manic without psychotic features, moderate  |
| 55   | F3113   | F3113 Bipolar disorder, current episode manic without psychotic features, severe  |
| 55   | F312    | F312 Bipolar disorder, current episode manic severe with psychotic features   |
| 55   | F3130   | F3130 Bipolar disorder, current episode depressed, mild or moderate severity, unspecified                                 |
| 55   | F3131   | F3131 Bipolar disorder, current episode depressed, mild   |
| 55   | F3132   | F3132 Bipolar disorder, current episode depressed, moderate   |
| 55   | F314    | F314 Bipolar disorder, current episode depressed, severe, without psychotic features                                      |
| 55   | F315    | F315 Bipolar disorder, current episode depressed, severe, with psychotic features   |
| 55   | F3160   | F3160 Bipolar disorder, current episode mixed, unspecified  |
| 55   | F3161   | F3161 Bipolar disorder, current episode mixed, mild   |
| 55   | F3162   | F3162 Bipolar disorder, current episode mixed, moderate   |
| 55   | F3163   | F3163 Bipolar disorder, current episode mixed, severe, without psychotic features   |
| 55   | F3164   | F3164 Bipolar disorder, current episode mixed, severe, with psychotic features  |
| 55   | F3170   | F3170 Bipolar disorder, currently in remission, most recent episode unspecified   |
| 55   | F3171   | F3171 Bipolar disorder, in partial remission, most recent episode hypomanic   |
| 55   | F3172   | F3172 Bipolar disorder, in full remission, most recent episode hypomanic  |
| 55   | F3173   | F3173 Bipolar disorder, in partial remission, most recent episode manic   |
| 55   | F3174   | F3174 Bipolar disorder, in full remission, most recent episode manic  |
| 55   | F3175   | F3175 Bipolar disorder, in partial remission, most recent episode depressed   |
| 55   | F3176   | F3176 Bipolar disorder, in full remission, most recent episode depressed  |
| 55   | F3177   | F3177 Bipolar disorder, in partial remission, most recent episode mixed   |
| 55   | F3178   | F3178 Bipolar disorder, in full remission, most recent episode mixed  |
| 55   | F3181   | F3181 Bipolar II disorder   |
| 55   | F3189   | F3189 Other bipolar disorder  |
| 55   | F319    | F319 Bipolar disorder, unspecified  |
| 55   | F320    | F320 Major depressive disorder, single episode, mild  |
| 55   | F321    | F321 Major depressive disorder, single episode, moderate  |
| 55   | F322    | F322 Major depressive disorder, single episode, severe without psychotic features   |
| 55   | F323    | F323 Major depressive disorder, single episode, severe with psychotic features  |
| 55   | F324    | F324 Major depressive disorder, single episode, in partial remission  |
| 55   | F325    | F325 Major depressive disorder, single episode, in full remission   |
| 55   | F328    | F328 Other depressive episodes  |
| 55   | F3281   | F3281 Premenstrual dysphoric disorder   |
| 55   | F3289   | F3289 Other specified depressive episodes   |
| 55   | F329    | F329 Major depressive disorder, single episode, unspecified   |
| 55   | F330    | F330 Major depressive disorder, recurrent, mild   |
| 55   | F331    | F331 Major depressive disorder, recurrent, moderate   |
| 55   | F332    | F332 Major depressive disorder, recurrent severe without psychotic features   |
| 55   | F333    | F333 Major depressive disorder, recurrent, severe with psychotic symptoms   |
| 55   | F3340   | F3340 Major depressive disorder, recurrent, in remission, unspecified   |
| 55   | F3341   | F3341 Major depressive disorder, recurrent, in partial remission  |
| 55   | F3342   | F3342 Major depressive disorder, recurrent, in full remission   |
| 55   | F338    | F338 Other recurrent depressive disorders   |
| 55   | F339    | F339 Major depressive disorder, recurrent, unspecified  |
| 55   | F348    | F348 Other persistent mood [affective] disorders  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 55   | F3481   | Disruptive mood dysregulation disorder  |
| 55   | F3489   | Other specified persistent mood disorders   |
| 55   | F349    | F349 Persistent mood [affective] disorder, unspecified  |
| 55   | F39     | F39 Unspecified mood [affective] disorder   |
| 55   | NoDx    |   |
| 55   | T1491   | T1491 Suicide attempt   |
| 55   | T360X2A | T360X2A Poisoning by penicillins, intentional self-harm, initial encounter  |
| 55   | T360X2S | T360X2S Poisoning by penicillins, intentional self-harm, sequela  |
| 55   | T361X2A | T361X2A Poisoning by cephalosporins and other beta-lactam antibiotics, intentional self-harm, initial encounter                           |
| 55   | T361X2S | T361X2S Poisoning by cephalosporins and other beta-lactam antibiotics, intentional self-harm, sequela                                     |
| 55   | T362X2A | T362X2A Poisoning by chloramphenicol group, intentional self-harm, initial encounter  |
| 55   | T362X2S | T362X2S Poisoning by chloramphenicol group, intentional self-harm, sequela  |
| 55   | T363X2A | T363X2A Poisoning by macrolides, intentional self-harm, initial encounter   |
| 55   | T363X2S | T363X2S Poisoning by macrolides, intentional self-harm, sequela   |
| 55   | T364X2A | T364X2A Poisoning by tetracyclines, intentional self-harm, initial encounter  |
| 55   | T364X2S | T364X2S Poisoning by tetracyclines, intentional self-harm, sequela  |
| 55   | T365X2A | T365X2A Poisoning by aminoglycosides, intentional self-harm, initial encounter  |
| 55   | T365X2S | T365X2S Poisoning by aminoglycosides, intentional self-harm, sequela  |
| 55   | T366X2A | T366X2A Poisoning by rifampicins, intentional self-harm, initial encounter  |
| 55   | T366X2S | T366X2S Poisoning by rifampicins, intentional self-harm, sequela  |
| 55   | T367X2A | T367X2A Poisoning by antifungal antibiotics, systemically used, intentional self-harm, initial encounter                                  |
| 55   | T367X2S | T367X2S Poisoning by antifungal antibiotics, systemically used, intentional self-harm, sequela  |
| 55   | T368X2A | T368X2A Poisoning by other systemic antibiotics, intentional self-harm, initial encounter   |
| 55   | T368X2S | T368X2S Poisoning by other systemic antibiotics, intentional self-harm, sequela   |
| 55   | T3692XA | T3692XA Poisoning by unspecified systemic antibiotic, intentional self-harm, initial encounter  |
| 55   | T3692XS | T3692XS Poisoning by unspecified systemic antibiotic, intentional self-harm, sequela  |
| 55   | T370X2A | T370X2A Poisoning by sulfonamides, intentional self-harm, initial encounter   |
| 55   | T370X2S | T370X2S Poisoning by sulfonamides, intentional self-harm, sequela   |
| 55   | T371X2A | T371X2A Poisoning by antimycobacterial drugs, intentional self-harm, initial encounter  |
| 55   | T371X2S | T371X2S Poisoning by antimycobacterial drugs, intentional self-harm, sequela  |
| 55   | T372X2A | T372X2A Poisoning by antimalarials and drugs acting on other blood protozoa, intentional self-harm, initial encounter                     |
| 55   | T372X2S | T372X2S Poisoning by antimalarials and drugs acting on other blood protozoa, intentional self-harm, sequela                               |
| 55   | T373X2A | T373X2A Poisoning by other antiprotozoal drugs, intentional self-harm, initial encounter  |
| 55   | T373X2S | T373X2S Poisoning by other antiprotozoal drugs, intentional self-harm, sequela  |
| 55   | T374X2A | T374X2A Poisoning by anthelmintics, intentional self-harm, initial encounter  |
| 55   | T374X2S | T374X2S Poisoning by anthelmintics, intentional self-harm, sequela  |
| 55   | T375X2A | T375X2A Poisoning by antiviral drugs, intentional self-harm, initial encounter  |
| 55   | T375X2S | T375X2S Poisoning by antiviral drugs, intentional self-harm, sequela  |
| 55   | T378X2A | T378X2A Poisoning by other specified systemic anti-infectives and antiparasitics, intentional self-harm, initial encounter                |
| 55   | T378X2S | T378X2S Poisoning by other specified systemic anti-infectives and antiparasitics, intentional self-harm, sequela                          |
| 55   | T3792XA | T3792XA Poisoning by unspecified systemic anti-infective and antiparasitics, intentional self-harm, initial encounter                     |
| 55   | T3792XS | T3792XS Poisoning by unspecified systemic anti-infective and antiparasitics, intentional self-harm, sequela                               |
| 55   | T380X2A | T380X2A Poisoning by glucocorticoids and synthetic analogues, intentional self-harm, initial encounter                                    |
| 55   | T380X2S | T380X2S Poisoning by glucocorticoids and synthetic analogues, intentional self-harm, sequela  |
| 55   | T381X2A | T381X2A Poisoning by thyroid hormones and substitutes, intentional self-harm, initial encounter   |
| 55   | T381X2S | T381X2S Poisoning by thyroid hormones and substitutes, intentional self-harm, sequela   |
| 55   | T382X2A | T382X2A Poisoning by antithyroid drugs, intentional self-harm, initial encounter  |
| 55   | T382X2S | T382X2S Poisoning by antithyroid drugs, intentional self-harm, sequela  |
| 55   | T383X2A | T383X2A Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, intentional self-harm, initial encounter                         |
| 55   | T383X2S | T383X2S Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, intentional self-harm, sequela                                   |
| 55   | T384X2A | T384X2A Poisoning by oral contraceptives, intentional self-harm, initial encounter  |
| 55   | T384X2S | T384X2S Poisoning by oral contraceptives, intentional self-harm, sequela  |
| 55   | T385X2A | T385X2A Poisoning by other estrogens and progestogens, intentional self-harm, initial encounter   |
| 55   | T385X2S | T385X2S Poisoning by other estrogens and progestogens, intentional self-harm, sequela   |
| 55   | T386X2A | T386X2A Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, intentional self-harm, initial encounter |
| 55   | T386X2S | T386X2S Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, intentional self-harm, sequela           |
| 55   | T387X2A | T387X2A Poisoning by androgens and anabolic congeners, intentional self-harm, initial encounter   |
| 55   | T387X2S | T387X2S Poisoning by androgens and anabolic congeners, intentional self-harm, sequela   |
| 55   | T38802A | T38802A Poisoning by unspecified hormones and synthetic substitutes, intentional self-harm, initial encounter                             |
| 55   | T38802S | T38802S Poisoning by unspecified hormones and synthetic substitutes, intentional self-harm, sequela                                       |
| 55   | T38812A | T38812A Poisoning by anterior pituitary [adenohypophyseal] hormones, intentional self-harm, initial encounter                             |
| 55   | T38812S | T38812S Poisoning by anterior pituitary [adenohypophyseal] hormones, intentional self-harm, sequela                                       |
| 55   | T38892A | T38892A Poisoning by other hormones and synthetic substitutes, intentional self-harm, initial encounter                                   |
| 55   | T38892S | T38892S Poisoning by other hormones and synthetic substitutes, intentional self-harm, sequela   |
| 55   | T38902A | T38902A Poisoning by unspecified hormone antagonists, intentional self-harm, initial encounter  |
| 55   | T38902S | T38902S Poisoning by unspecified hormone antagonists, intentional self-harm, sequela  |
| 55   | T38992A | T38992A Poisoning by other hormone antagonists, intentional self-harm, initial encounter  |
| 55   | T38992S | T38992S Poisoning by other hormone antagonists, intentional self-harm, sequela  |
| 55   | T39012A | T39012A Poisoning by aspirin, intentional self-harm, initial encounter  |
| 55   | T39012S | T39012S Poisoning by aspirin, intentional self-harm, sequela  |
| 55   | T39092A | T39092A Poisoning by salicylates, intentional self-harm, initial encounter  |
| 55   | T39092S | T39092S Poisoning by salicylates, intentional self-harm, sequela  |
| 55   | T391X2A | T391X2A Poisoning by 4-Aminophenol derivatives, intentional self-harm, initial encounter  |
| 55   | T391X2S | T391X2S Poisoning by 4-Aminophenol derivatives, intentional self-harm, sequela  |
| 55   | T392X2A | T392X2A Poisoning by pyrazolone derivatives, intentional self-harm, initial encounter   |
| 55   | T392X2S | T392X2S Poisoning by pyrazolone derivatives, intentional self-harm, sequela   |
| 55   | T39312A | T39312A Poisoning by propionic acid derivatives, intentional self-harm, initial encounter   |
| 55   | T39312S | T39312S Poisoning by propionic acid derivatives, intentional self-harm, sequela   |
| 55   | T39392A | T39392A Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], intentional self-harm, initial encounter                         |
| 55   | T39392S | T39392S Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], intentional self-harm, sequela                                   |
| 55   | T394X2A | T394X2A Poisoning by antirheumatics, not elsewhere classified, intentional self-harm, initial encounter                                   |
| 55   | T394X2S | T394X2S Poisoning by antirheumatics, not elsewhere classified, intentional self-harm, sequela   |
| 55   | T398X2A | T398X2A Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, intentional self-harm, initial encounter      |
| 55   | T398X2S | T398X2S Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, intentional self-harm, sequela                |
| 55   | T3992XA | T3992XA Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, intentional self-harm, initial encounter             |
| 55   | T3992XS | T3992XS Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, intentional self-harm, sequela                       |
| 55   | T400X2A | T400X2A Poisoning by opium, intentional self-harm, initial encounter  |
| 55   | T400X2S | T400X2S Poisoning by opium, intentional self-harm, sequela  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 55   | T401X2A | T401X2A Poisoning by heroin, intentional self-harm, initial encounter   |
| 55   | T401X2S | T401X2S Poisoning by heroin, intentional self-harm, sequela   |
| 55   | T402X2A | T402X2A Poisoning by other opioids, intentional self-harm, initial encounter  |
| 55   | T402X2S | T402X2S Poisoning by other opioids, intentional self-harm, sequela  |
| 55   | T403X2A | T403X2A Poisoning by methadone, intentional self-harm, initial encounter  |
| 55   | T403X2S | T403X2S Poisoning by methadone, intentional self-harm, sequela  |
| 55   | T404X2A | T404X2A Poisoning by other synthetic narcotics, intentional self-harm, initial encounter  |
| 55   | T404X2S | T404X2S Poisoning by other synthetic narcotics, intentional self-harm, sequela  |
| 55   | T405X2A | T405X2A Poisoning by cocaine, intentional self-harm, initial encounter  |
| 55   | T405X2S | T405X2S Poisoning by cocaine, intentional self-harm, sequela  |
| 55   | T40602A | T40602A Poisoning by unspecified narcotics, intentional self-harm, initial encounter  |
| 55   | T40602S | T40602S Poisoning by unspecified narcotics, intentional self-harm, sequela  |
| 55   | T40692A | T40692A Poisoning by other narcotics, intentional self-harm, initial encounter  |
| 55   | T40692S | T40692S Poisoning by other narcotics, intentional self-harm, sequela  |
| 55   | T407X2A | T407X2A Poisoning by cannabis (derivatives), intentional self-harm, initial encounter   |
| 55   | T407X2S | T407X2S Poisoning by cannabis (derivatives), intentional self-harm, sequela   |
| 55   | T408X2A | T408X2A Poisoning by lysergide [LSD], intentional self-harm, initial encounter  |
| 55   | T408X2S | T408X2S Poisoning by lysergide [LSD], intentional self-harm, sequela  |
| 55   | T40902A | T40902A Poisoning by unspecified psychodysleptics [hallucinogens], intentional self-harm, initial encounter                     |
| 55   | T40902S | T40902S Poisoning by unspecified psychodysleptics [hallucinogens], intentional self-harm, sequela                               |
| 55   | T40992A | T40992A Poisoning by other psychodysleptics [hallucinogens], intentional self-harm, initial encounter                           |
| 55   | T40992S | T40992S Poisoning by other psychodysleptics [hallucinogens], intentional self-harm, sequela                                     |
| 55   | T410X2A | T410X2A Poisoning by inhaled anesthetics, intentional self-harm, initial encounter  |
| 55   | T410X2S | T410X2S Poisoning by inhaled anesthetics, intentional self-harm, sequela  |
| 55   | T411X2A | T411X2A Poisoning by intravenous anesthetics, intentional self-harm, initial encounter  |
| 55   | T411X2S | T411X2S Poisoning by intravenous anesthetics, intentional self-harm, sequela  |
| 55   | T41202A | T41202A Poisoning by unspecified general anesthetics, intentional self-harm, initial encounter                                  |
| 55   | T41202S | T41202S Poisoning by unspecified general anesthetics, intentional self-harm, sequela  |
| 55   | T41292A | T41292A Poisoning by other general anesthetics, intentional self-harm, initial encounter  |
| 55   | T41292S | T41292S Poisoning by other general anesthetics, intentional self-harm, sequela  |
| 55   | T413X2A | T413X2A Poisoning by local anesthetics, intentional self-harm, initial encounter  |
| 55   | T413X2S | T413X2S Poisoning by local anesthetics, intentional self-harm, sequela  |
| 55   | T4142XA | T4142XA Poisoning by unspecified anesthetic, intentional self-harm, initial encounter   |
| 55   | T4142XS | T4142XS Poisoning by unspecified anesthetic, intentional self-harm, sequela   |
| 55   | T415X2A | T415X2A Poisoning by therapeutic gases, intentional self-harm, initial encounter  |
| 55   | T415X2S | T415X2S Poisoning by therapeutic gases, intentional self-harm, sequela  |
| 55   | T420X2A | T420X2A Poisoning by hydantoin derivatives, intentional self-harm, initial encounter  |
| 55   | T420X2S | T420X2S Poisoning by hydantoin derivatives, intentional self-harm, sequela  |
| 55   | T421X2A | T421X2A Poisoning by iminostilbenes, intentional self-harm, initial encounter   |
| 55   | T421X2S | T421X2S Poisoning by iminostilbenes, intentional self-harm, sequela   |
| 55   | T422X2A | T422X2A Poisoning by succinimides and oxazolinediones, intentional self-harm, initial encounter                                 |
| 55   | T422X2S | T422X2S Poisoning by succinimides and oxazolinediones, intentional self-harm, sequela   |
| 55   | T423X2A | T423X2A Poisoning by barbiturates, intentional self-harm, initial encounter   |
| 55   | T423X2S | T423X2S Poisoning by barbiturates, intentional self-harm, sequela   |
| 55   | T424X2A | T424X2A Poisoning by benzodiazepines, intentional self-harm, initial encounter  |
| 55   | T424X2S | T424X2S Poisoning by benzodiazepines, intentional self-harm, sequela  |
| 55   | T425X2A | T425X2A Poisoning by mixed antiepileptics, intentional self-harm, initial encounter   |
| 55   | T425X2S | T425X2S Poisoning by mixed antiepileptics, intentional self-harm, sequela   |
| 55   | T426X2A | T426X2A Poisoning by other antiepileptic and sedative-hypnotic drugs, intentional self-harm, initial encounter                  |
| 55   | T426X2S | T426X2S Poisoning by other antiepileptic and sedative-hypnotic drugs, intentional self-harm, sequela                            |
| 55   | T426X4A | T426X4A Poisoning by other antiepileptic and sedative-hypnotic drugs, undetermined, initial encounter                           |
| 55   | T4272XA | T4272XA Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, intentional self-harm, initial encounter            |
| 55   | T4272XS | T4272XS Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, intentional self-harm, sequela                      |
| 55   | T428X2A | T428X2A Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, intentional self-harm, initial encounter |
| 55   | T428X2S | T428X2S Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, intentional self-harm, sequela           |
| 55   | T43012A | T43012A Poisoning by tricyclic antidepressants, intentional self-harm, initial encounter  |
| 55   | T43012S | T43012S Poisoning by tricyclic antidepressants, intentional self-harm, sequela  |
| 55   | T43022A | T43022A Poisoning by tetracyclic antidepressants, intentional self-harm, initial encounter                                      |
| 55   | T43022S | T43022S Poisoning by tetracyclic antidepressants, intentional self-harm, sequela  |
| 55   | T431X2A | T431X2A Poisoning by monoamine-oxidase-inhibitor antidepressants, intentional self-harm, initial encounter                      |
| 55   | T431X2S | T431X2S Poisoning by monoamine-oxidase-inhibitor antidepressants, intentional self-harm, sequela                                |
| 55   | T43202A | T43202A Poisoning by unspecified antidepressants, intentional self-harm, initial encounter                                      |
| 55   | T43202S | T43202S Poisoning by unspecified antidepressants, intentional self-harm, sequela  |
| 55   | T43212A | T43212A Poisoning by selective serotonin and norepinephrine reuptake inhibitors, intentional self-harm, initial encounter       |
| 55   | T43212S | T43212S Poisoning by selective serotonin and norepinephrine reuptake inhibitors, intentional self-harm, sequela                 |
| 55   | T43222A | T43222A Poisoning by selective serotonin reuptake inhibitors, intentional self-harm, initial encounter                          |
| 55   | T43222S | T43222S Poisoning by selective serotonin reuptake inhibitors, intentional self-harm, sequela                                    |
| 55   | T43292A | T43292A Poisoning by other antidepressants, intentional self-harm, initial encounter  |
| 55   | T43292S | T43292S Poisoning by other antidepressants, intentional self-harm, sequela  |
| 55   | T433X2A | T433X2A Poisoning by phenothiazine antipsychotics and neuroleptics, intentional self-harm, initial encounter                    |
| 55   | T433X2S | T433X2S Poisoning by phenothiazine antipsychotics and neuroleptics, intentional self-harm, sequela                              |
| 55   | T434X2A | T434X2A Poisoning by butyrophenone and thiothixene neuroleptics, intentional self-harm, initial encounter                       |
| 55   | T434X2S | T434X2S Poisoning by butyrophenone and thiothixene neuroleptics, intentional self-harm, sequela                                 |
| 55   | T43502A | T43502A Poisoning by unspecified antipsychotics and neuroleptics, intentional self-harm, initial encounter                      |
| 55   | T43502S | T43502S Poisoning by unspecified antipsychotics and neuroleptics, intentional self-harm, sequela                                |
| 55   | T43592A | T43592A Poisoning by other antipsychotics and neuroleptics, intentional self-harm, initial encounter                            |
| 55   | T43592S | T43592S Poisoning by other antipsychotics and neuroleptics, intentional self-harm, sequela                                      |
| 55   | T43602A | T43602A Poisoning by unspecified psychostimulants, intentional self-harm, initial encounter                                     |
| 55   | T43602S | T43602S Poisoning by unspecified psychostimulants, intentional self-harm, sequela   |
| 55   | T43612A | T43612A Poisoning by caffeine, intentional self-harm, initial encounter   |
| 55   | T43612S | T43612S Poisoning by caffeine, intentional self-harm, sequela   |
| 55   | T43622A | T43622A Poisoning by amphetamines, intentional self-harm, initial encounter   |
| 55   | T43622S | T43622S Poisoning by amphetamines, intentional self-harm, sequela   |
| 55   | T43632A | T43632A Poisoning by methylphenidate, intentional self-harm, initial encounter  |
| 55   | T43632S | T43632S Poisoning by methylphenidate, intentional self-harm, sequela  |
| 55   | T43692A | T43692A Poisoning by other psychostimulants, intentional self-harm, initial encounter   |
| 55   | T43692S | T43692S Poisoning by other psychostimulants, intentional self-harm, sequela   |
| 55   | T438X2A | T438X2A Poisoning by other psychotropic drugs, intentional self-harm, initial encounter   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 55   | T438X2S | T438X2S Poisoning by other psychotropic drugs, intentional self-harm, sequela   |
| 55   | T4392XA | T4392XA Poisoning by unspecified psychotropic drug, intentional self-harm, initial encounter  |
| 55   | T4392XS | T4392XS Poisoning by unspecified psychotropic drug, intentional self-harm, sequela  |
| 55   | T440X2A | T440X2A Poisoning by anticholinesterase agents, intentional self-harm, initial encounter  |
| 55   | T440X2S | T440X2S Poisoning by anticholinesterase agents, intentional self-harm, sequela  |
| 55   | T441X2A | T441X2A Poisoning by other parasympathomimetics [cholinergics], intentional self-harm, initial encounter  |
| 55   | T441X2S | T441X2S Poisoning by other parasympathomimetics [cholinergics], intentional self-harm, sequela  |
| 55   | T442X2A | T442X2A Poisoning by ganglionic blocking drugs, intentional self-harm, initial encounter  |
| 55   | T442X2S | T442X2S Poisoning by ganglionic blocking drugs, intentional self-harm, sequela  |
| 55   | T443X2A | T443X2A Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, intentional self-harm, initial encounter |
| 55   | T443X2S | T443X2S Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, intentional self-harm, sequela           |
| 55   | T444X2A | T444X2A Poisoning by predominantly alpha-adrenoreceptor agonists, intentional self-harm, initial encounter                                      |
| 55   | T444X2S | T444X2S Poisoning by predominantly alpha-adrenoreceptor agonists, intentional self-harm, sequela  |
| 55   | T445X2A | T445X2A Poisoning by predominantly beta-adrenoreceptor agonists, intentional self-harm, initial encounter                                       |
| 55   | T445X2S | T445X2S Poisoning by predominantly beta-adrenoreceptor agonists, intentional self-harm, sequela   |
| 55   | T446X2A | T446X2A Poisoning by alpha-adrenoreceptor antagonists, intentional self-harm, initial encounter   |
| 55   | T446X2S | T446X2S Poisoning by alpha-adrenoreceptor antagonists, intentional self-harm, sequela   |
| 55   | T447X2A | T447X2A Poisoning by beta-adrenoreceptor antagonists, intentional self-harm, initial encounter  |
| 55   | T447X2S | T447X2S Poisoning by beta-adrenoreceptor antagonists, intentional self-harm, sequela  |
| 55   | T448X2A | T448X2A Poisoning by centrally-acting and adrenergic-neuron-blocking agents, intentional self-harm, initial encounter                           |
| 55   | T448X2S | T448X2S Poisoning by centrally-acting and adrenergic-neuron-blocking agents, intentional self-harm, sequela                                     |
| 55   | T44902A | T44902A Poisoning by unspecified drugs primarily affecting the autonomic nervous system, intentional self-harm, initial encounter               |
| 55   | T44902S | T44902S Poisoning by unspecified drugs primarily affecting the autonomic nervous system, intentional self-harm, sequela                         |
| 55   | T44992A | T44992A Poisoning by other drug primarily affecting the autonomic nervous system, intentional self-harm, initial encounter                      |
| 55   | T44992S | T44992S Poisoning by other drug primarily affecting the autonomic nervous system, intentional self-harm, sequela                                |
| 55   | T450X2A | T450X2A Poisoning by anti-allergic and antiemetic drugs, intentional self-harm, initial encounter   |
| 55   | T450X2S | T450X2S Poisoning by anti-allergic and antiemetic drugs, intentional self-harm, sequela   |
| 55   | T451X2A | T451X2A Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, initial encounter                                       |
| 55   | T451X2S | T451X2S Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, sequela   |
| 55   | T452X2A | T452X2A Poisoning by vitamins, intentional self-harm, initial encounter   |
| 55   | T452X2S | T452X2S Poisoning by vitamins, intentional self-harm, sequela   |
| 55   | T453X2A | T453X2A Poisoning by enzymes, intentional self-harm, initial encounter  |
| 55   | T453X2S | T453X2S Poisoning by enzymes, intentional self-harm, sequela  |
| 55   | T454X2A | T454X2A Poisoning by iron and its compounds, intentional self-harm, initial encounter   |
| 55   | T454X2S | T454X2S Poisoning by iron and its compounds, intentional self-harm, sequela   |
| 55   | T45512A | T45512A Poisoning by anticoagulants, intentional self-harm, initial encounter   |
| 55   | T45512S | T45512S Poisoning by anticoagulants, intentional self-harm, sequela   |
| 55   | T45522A | T45522A Poisoning by antithrombotic drugs, intentional self-harm, initial encounter   |
| 55   | T45522S | T45522S Poisoning by antithrombotic drugs, intentional self-harm, sequela   |
| 55   | T45602A | T45602A Poisoning by unspecified fibrinolysis-affecting drugs, intentional self-harm, initial encounter   |
| 55   | T45602S | T45602S Poisoning by unspecified fibrinolysis-affecting drugs, intentional self-harm, sequela   |
| 55   | T45612A | T45612A Poisoning by thrombolytic drug, intentional self-harm, initial encounter  |
| 55   | T45612S | T45612S Poisoning by thrombolytic drug, intentional self-harm, sequela  |
| 55   | T45622A | T45622A Poisoning by hemostatic drug, intentional self-harm, initial encounter  |
| 55   | T45622S | T45622S Poisoning by hemostatic drug, intentional self-harm, sequela  |
| 55   | T45692A | T45692A Poisoning by other fibrinolysis-affecting drugs, intentional self-harm, initial encounter   |
| 55   | T45692S | T45692S Poisoning by other fibrinolysis-affecting drugs, intentional self-harm, sequela   |
| 55   | T457X2A | T457X2A Poisoning by anticoagulant antagonists, vitamin K and other coagulants, intentional self-harm, initial encounter                        |
| 55   | T457X2S | T457X2S Poisoning by anticoagulant antagonists, vitamin K and other coagulants, intentional self-harm, sequela                                  |
| 55   | T458X2A | T458X2A Poisoning by other primarily systemic and hematological agents, intentional self-harm, initial encounter                                |
| 55   | T458X2S | T458X2S Poisoning by other primarily systemic and hematological agents, intentional self-harm, sequela  |
| 55   | T4592XA | T4592XA Poisoning by unspecified primarily systemic and hematological agent, intentional self-harm, initial encounter                           |
| 55   | T4592XS | T4592XS Poisoning by unspecified primarily systemic and hematological agent, intentional self-harm, sequela                                     |
| 55   | T460X2A | T460X2A Poisoning by cardiac-stimulant glycosides and drugs of similar action, intentional self-harm, initial encounter                         |
| 55   | T460X2S | T460X2S Poisoning by cardiac-stimulant glycosides and drugs of similar action, intentional self-harm, sequela                                   |
| 55   | T461X2A | T461X2A Poisoning by calcium-channel blockers, intentional self-harm, initial encounter   |
| 55   | T461X2S | T461X2S Poisoning by calcium-channel blockers, intentional self-harm, sequela   |
| 55   | T462X2A | T462X2A Poisoning by other antidyshrhythmic drugs, intentional self-harm, initial encounter   |
| 55   | T462X2S | T462X2S Poisoning by other antidyshrhythmic drugs, intentional self-harm, sequela   |
| 55   | T463X2A | T463X2A Poisoning by coronary vasodilators, intentional self-harm, initial encounter  |
| 55   | T463X2S | T463X2S Poisoning by coronary vasodilators, intentional self-harm, sequela  |
| 55   | T464X2A | T464X2A Poisoning by angiotensin-converting-enzyme inhibitors, intentional self-harm, initial encounter   |
| 55   | T464X2S | T464X2S Poisoning by angiotensin-converting-enzyme inhibitors, intentional self-harm, sequela   |
| 55   | T465X2A | T465X2A Poisoning by other antihypertensive drugs, intentional self-harm, initial encounter   |
| 55   | T465X2S | T465X2S Poisoning by other antihypertensive drugs, intentional self-harm, sequela   |
| 55   | T466X2A | T466X2A Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, intentional self-harm, initial encounter                                |
| 55   | T466X2S | T466X2S Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, intentional self-harm, sequela  |
| 55   | T467X2A | T467X2A Poisoning by peripheral vasodilators, intentional self-harm, initial encounter  |
| 55   | T467X2S | T467X2S Poisoning by peripheral vasodilators, intentional self-harm, sequela  |
| 55   | T468X2A | T468X2A Poisoning by antivaricose drugs, including sclerosing agents, intentional self-harm, initial encounter                                  |
| 55   | T468X2S | T468X2S Poisoning by antivaricose drugs, including sclerosing agents, intentional self-harm, sequela  |
| 55   | T46902A | T46902A Poisoning by unspecified agents primarily affecting the cardiovascular system, intentional self-harm, initial encounter                 |
| 55   | T46902S | T46902S Poisoning by unspecified agents primarily affecting the cardiovascular system, intentional self-harm, sequela                           |
| 55   | T46992A | T46992A Poisoning by other agents primarily affecting the cardiovascular system, intentional self-harm, initial encounter                       |
| 55   | T46992S | T46992S Poisoning by other agents primarily affecting the cardiovascular system, intentional self-harm, sequela                                 |
| 55   | T470X2A | T470X2A Poisoning by histamine H2-receptor blockers, intentional self-harm, initial encounter   |
| 55   | T470X2S | T470X2S Poisoning by histamine H2-receptor blockers, intentional self-harm, sequela   |
| 55   | T471X2A | T471X2A Poisoning by other antacids and anti-gastric-secretion drugs, intentional self-harm, initial encounter                                  |
| 55   | T471X2S | T471X2S Poisoning by other antacids and anti-gastric-secretion drugs, intentional self-harm, sequela  |
| 55   | T472X2A | T472X2A Poisoning by stimulant laxatives, intentional self-harm, initial encounter  |
| 55   | T472X2S | T472X2S Poisoning by stimulant laxatives, intentional self-harm, sequela  |
| 55   | T473X2A | T473X2A Poisoning by saline and osmotic laxatives, intentional self-harm, initial encounter   |
| 55   | T473X2S | T473X2S Poisoning by saline and osmotic laxatives, intentional self-harm, sequela   |
| 55   | T474X2A | T474X2A Poisoning by other laxatives, intentional self-harm, initial encounter  |
| 55   | T474X2S | T474X2S Poisoning by other laxatives, intentional self-harm, sequela  |
| 55   | T475X2A | T475X2A Poisoning by digestants, intentional self-harm, initial encounter   |
| 55   | T475X2S | T475X2S Poisoning by digestants, intentional self-harm, sequela   |
| 55   | T476X2A | T476X2A Poisoning by antidiarrheal drugs, intentional self-harm, initial encounter  |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 55   | T476X2S | T476X2S Poisoning by antiarrhythmic drugs, intentional self-harm, sequela  |
| 55   | T477X2A | T477X2A Poisoning by emetics, intentional self-harm, initial encounter   |
| 55   | T477X2S | T477X2S Poisoning by emetics, intentional self-harm, sequela   |
| 55   | T478X2A | T478X2A Poisoning by other agents primarily affecting gastrointestinal system, intentional self-harm, initial encounter                      |
| 55   | T478X2S | T478X2S Poisoning by other agents primarily affecting gastrointestinal system, intentional self-harm, sequela                                |
| 55   | T4792XA | T4792XA Poisoning by unspecified agents primarily affecting the gastrointestinal system, intentional self-harm, initial encounter            |
| 55   | T4792XS | T4792XS Poisoning by unspecified agents primarily affecting the gastrointestinal system, intentional self-harm, sequela                      |
| 55   | T480X2A | T480X2A Poisoning by oxytocic drugs, intentional self-harm, initial encounter  |
| 55   | T480X2S | T480X2S Poisoning by oxytocic drugs, intentional self-harm, sequela  |
| 55   | T481X2A | T481X2A Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], intentional self-harm, initial encounter                     |
| 55   | T481X2S | T481X2S Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], intentional self-harm, sequela                               |
| 55   | T48202A | T48202A Poisoning by unspecified drugs acting on muscles, intentional self-harm, initial encounter   |
| 55   | T48202S | T48202S Poisoning by unspecified drugs acting on muscles, intentional self-harm, sequela   |
| 55   | T48292A | T48292A Poisoning by other drugs acting on muscles, intentional self-harm, initial encounter   |
| 55   | T48292S | T48292S Poisoning by other drugs acting on muscles, intentional self-harm, sequela   |
| 55   | T483X2A | T483X2A Poisoning by antitussives, intentional self-harm, initial encounter  |
| 55   | T483X2S | T483X2S Poisoning by antitussives, intentional self-harm, sequela  |
| 55   | T484X2A | T484X2A Poisoning by expectorants, intentional self-harm, initial encounter  |
| 55   | T484X2S | T484X2S Poisoning by expectorants, intentional self-harm, sequela  |
| 55   | T485X2A | T485X2A Poisoning by other anti-common-cold drugs, intentional self-harm, initial encounter  |
| 55   | T485X2S | T485X2S Poisoning by other anti-common-cold drugs, intentional self-harm, sequela  |
| 55   | T486X2A | T486X2A Poisoning by antiasthmatics, intentional self-harm, initial encounter  |
| 55   | T486X2S | T486X2S Poisoning by antiasthmatics, intentional self-harm, sequela  |
| 55   | T48902A | T48902A Poisoning by unspecified agents primarily acting on the respiratory system, intentional self-harm, initial encounter                 |
| 55   | T48902S | T48902S Poisoning by unspecified agents primarily acting on the respiratory system, intentional self-harm, sequela                           |
| 55   | T48992A | T48992A Poisoning by other agents primarily acting on the respiratory system, intentional self-harm, initial encounter                       |
| 55   | T48992S | T48992S Poisoning by other agents primarily acting on the respiratory system, intentional self-harm, sequela                                 |
| 55   | T490X2A | T490X2A Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, intentional self-harm, initial encounter                  |
| 55   | T490X2S | T490X2S Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, intentional self-harm, sequela                            |
| 55   | T491X2A | T491X2A Poisoning by antipruritics, intentional self-harm, initial encounter   |
| 55   | T491X2S | T491X2S Poisoning by antipruritics, intentional self-harm, sequela   |
| 55   | T492X2A | T492X2A Poisoning by local astringents and local detergents, intentional self-harm, initial encounter  |
| 55   | T492X2S | T492X2S Poisoning by local astringents and local detergents, intentional self-harm, sequela  |
| 55   | T493X2A | T493X2A Poisoning by emollients, demulcents and protectants, intentional self-harm, initial encounter  |
| 55   | T493X2S | T493X2S Poisoning by emollients, demulcents and protectants, intentional self-harm, sequela  |
| 55   | T494X2A | T494X2A Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, intentional self-harm, initial encounter |
| 55   | T494X2S | T494X2S Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, intentional self-harm, sequela           |
| 55   | T495X2A | T495X2A Poisoning by ophthalmological drugs and preparations, intentional self-harm, initial encounter                                       |
| 55   | T495X2S | T495X2S Poisoning by ophthalmological drugs and preparations, intentional self-harm, sequela   |
| 55   | T496X2A | T496X2A Poisoning by otorhinolaryngological drugs and preparations, intentional self-harm, initial encounter                                 |
| 55   | T496X2S | T496X2S Poisoning by otorhinolaryngological drugs and preparations, intentional self-harm, sequela   |
| 55   | T497X2A | T497X2A Poisoning by dental drugs, topically applied, intentional self-harm, initial encounter   |
| 55   | T497X2S | T497X2S Poisoning by dental drugs, topically applied, intentional self-harm, sequela   |
| 55   | T498X2A | T498X2A Poisoning by other topical agents, intentional self-harm, initial encounter  |
| 55   | T498X2S | T498X2S Poisoning by other topical agents, intentional self-harm, sequela  |
| 55   | T4992XA | T4992XA Poisoning by unspecified topical agent, intentional self-harm, initial encounter   |
| 55   | T4992XS | T4992XS Poisoning by unspecified topical agent, intentional self-harm, sequela   |
| 55   | T500X2A | T500X2A Poisoning by mineralocorticoids and their antagonists, intentional self-harm, initial encounter                                      |
| 55   | T500X2S | T500X2S Poisoning by mineralocorticoids and their antagonists, intentional self-harm, sequela  |
| 55   | T501X2A | T501X2A Poisoning by loop [high-ceiling] diuretics, intentional self-harm, initial encounter   |
| 55   | T501X2S | T501X2S Poisoning by loop [high-ceiling] diuretics, intentional self-harm, sequela   |
| 55   | T502X2A | T502X2A Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, intentional self-harm, initial encounter          |
| 55   | T502X2S | T502X2S Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, intentional self-harm, sequela                    |
| 55   | T503X2A | T503X2A Poisoning by electrolytic, caloric and water-balance agents, intentional self-harm, initial encounter                                |
| 55   | T503X2S | T503X2S Poisoning by electrolytic, caloric and water-balance agents, intentional self-harm, sequela  |
| 55   | T504X2A | T504X2A Poisoning by drugs affecting uric acid metabolism, intentional self-harm, initial encounter  |
| 55   | T504X2S | T504X2S Poisoning by drugs affecting uric acid metabolism, intentional self-harm, sequela  |
| 55   | T505X2A | T505X2A Poisoning by appetite depressants, intentional self-harm, initial encounter  |
| 55   | T505X2S | T505X2S Poisoning by appetite depressants, intentional self-harm, sequela  |
| 55   | T506X2A | T506X2A Poisoning by antidotes and chelating agents, intentional self-harm, initial encounter  |
| 55   | T506X2S | T506X2S Poisoning by antidotes and chelating agents, intentional self-harm, sequela  |
| 55   | T507X2A | T507X2A Poisoning by analeptics and opioid receptor antagonists, intentional self-harm, initial encounter                                    |
| 55   | T507X2S | T507X2S Poisoning by analeptics and opioid receptor antagonists, intentional self-harm, sequela  |
| 55   | T508X2A | T508X2A Poisoning by diagnostic agents, intentional self-harm, initial encounter   |
| 55   | T508X2S | T508X2S Poisoning by diagnostic agents, intentional self-harm, sequela   |
| 55   | T50902A | T50902A Poisoning by unspecified drugs, medicaments and biological substances, intentional self-harm, initial encounter                      |
| 55   | T50902S | T50902S Poisoning by unspecified drugs, medicaments and biological substances, intentional self-harm, sequela                                |
| 55   | T50992A | T50992A Poisoning by other drugs, medicaments and biological substances, intentional self-harm, initial encounter                            |
| 55   | T50992S | T50992S Poisoning by other drugs, medicaments and biological substances, intentional self-harm, sequela                                      |
| 55   | T50A12A | T50A12A Poisoning by pertussis vaccine, including combinations with a pertussis component, intentional self-harm, initial encounter          |
| 55   | T50A12S | T50A12S Poisoning by pertussis vaccine, including combinations with a pertussis component, intentional self-harm, sequela                    |
| 55   | T50A22A | T50A22A Poisoning by mixed bacterial vaccines without a pertussis component, intentional self-harm, initial encounter                        |
| 55   | T50A22S | T50A22S Poisoning by mixed bacterial vaccines without a pertussis component, intentional self-harm, sequela                                  |
| 55   | T50A92A | T50A92A Poisoning by other bacterial vaccines, intentional self-harm, initial encounter  |
| 55   | T50A92S | T50A92S Poisoning by other bacterial vaccines, intentional self-harm, sequela  |
| 55   | T50B12A | T50B12A Poisoning by smallpox vaccines, intentional self-harm, initial encounter   |
| 55   | T50B12S | T50B12S Poisoning by smallpox vaccines, intentional self-harm, sequela   |
| 55   | T50B92A | T50B92A Poisoning by other viral vaccines, intentional self-harm, initial encounter  |
| 55   | T50B92S | T50B92S Poisoning by other viral vaccines, intentional self-harm, sequela  |
| 55   | T50Z12A | T50Z12A Poisoning by immunoglobulin, intentional self-harm, initial encounter  |
| 55   | T50Z12S | T50Z12S Poisoning by immunoglobulin, intentional self-harm, sequela  |
| 55   | T50Z92A | T50Z92A Poisoning by other vaccines and biological substances, intentional self-harm, initial encounter                                      |
| 55   | T50Z92S | T50Z92S Poisoning by other vaccines and biological substances, intentional self-harm, sequela  |
| 55   | T510X2A | T510X2A Toxic effect of ethanol, intentional self-harm, initial encounter  |
| 55   | T511X2A | T511X2A Toxic effect of methanol, intentional self-harm, initial encounter   |
| 55   | T512X2A | T512X2A Toxic effect of 2-Propanol, intentional self-harm, initial encounter   |
| 55   | T513X2A | T513X2A Toxic effect of fusel oil, intentional self-harm, initial encounter  |
| 55   | T518X2A | T518X2A Toxic effect of other alcohols, intentional self-harm, initial encounter   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 55          | T5192XA        | T5192XA Toxic effect of unspecified alcohol, intentional self-harm, initial encounter  |
| 55          | T520X2A        | T520X2A Toxic effect of petroleum products, intentional self-harm, initial encounter   |
| 55          | T521X2A        | T521X2A Toxic effect of benzene, intentional self-harm, initial encounter  |
| 55          | T522X2A        | T522X2A Toxic effect of homologues of benzene, intentional self-harm, initial encounter  |
| 55          | T523X2A        | T523X2A Toxic effect of glycols, intentional self-harm, initial encounter  |
| 55          | T524X2A        | T524X2A Toxic effect of ketones, intentional self-harm, initial encounter  |
| 55          | T528X2A        | T528X2A Toxic effect of other organic solvents, intentional self-harm, initial encounter   |
| 55          | T5292XA        | T5292XA Toxic effect of unspecified organic solvent, intentional self-harm, initial encounter  |
| 55          | T530X2A        | T530X2A Toxic effect of carbon tetrachloride, intentional self-harm, initial encounter   |
| 55          | T531X2A        | T531X2A Toxic effect of chloroform, intentional self-harm, initial encounter   |
| 55          | T532X2A        | T532X2A Toxic effect of trichloroethylene, intentional self-harm, initial encounter  |
| 55          | T533X2A        | T533X2A Toxic effect of tetrachloroethylene, intentional self-harm, initial encounter  |
| 55          | T534X2A        | T534X2A Toxic effect of dichloromethane, intentional self-harm, initial encounter  |
| 55          | T535X2A        | T535X2A Toxic effect of chlorofluorocarbons, intentional self-harm, initial encounter  |
| 55          | T536X2A        | T536X2A Toxic effect of other halogen derivatives of aliphatic hydrocarbons, intentional self-harm, initial encounter                    |
| 55          | T537X2A        | T537X2A Toxic effect of other halogen derivatives of aromatic hydrocarbons, intentional self-harm, initial encounter                     |
| 55          | T5392XA        | T5392XA Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, intentional self-harm, initial encounter |
| 55          | T540X2A        | T540X2A Toxic effect of phenol and phenol homologues, intentional self-harm, initial encounter   |
| 55          | T541X2A        | T541X2A Toxic effect of other corrosive organic compounds, intentional self-harm, initial encounter                                      |
| 55          | T542X2A        | T542X2A Toxic effect of corrosive acids and acid-like substances, intentional self-harm, initial encounter                               |
| 55          | T543X2A        | T543X2A Toxic effect of corrosive alkalis and alkali-like substances, intentional self-harm, initial encounter                           |
| 55          | T5492XA        | T5492XA Toxic effect of unspecified corrosive substance, intentional self-harm, initial encounter  |
| 55          | T550X2A        | T550X2A Toxic effect of soaps, intentional self-harm, initial encounter  |
| 55          | T551X2A        | T551X2A Toxic effect of detergents, intentional self-harm, initial encounter   |
| 55          | T560X2A        | T560X2A Toxic effect of lead and its compounds, intentional self-harm, initial encounter   |
| 55          | T561X2A        | T561X2A Toxic effect of mercury and its compounds, intentional self-harm, initial encounter  |
| 55          | T562X2A        | T562X2A Toxic effect of chromium and its compounds, intentional self-harm, initial encounter   |
| 55          | T563X2A        | T563X2A Toxic effect of cadmium and its compounds, intentional self-harm, initial encounter  |
| 55          | T564X2A        | T564X2A Toxic effect of copper and its compounds, intentional self-harm, initial encounter   |
| 55          | T565X2A        | T565X2A Toxic effect of zinc and its compounds, intentional self-harm, initial encounter   |
| 55          | T566X2A        | T566X2A Toxic effect of tin and its compounds, intentional self-harm, initial encounter  |
| 55          | T567X2A        | T567X2A Toxic effect of beryllium and its compounds, intentional self-harm, initial encounter  |
| 55          | T56812A        | T56812A Toxic effect of thallium, intentional self-harm, initial encounter   |
| 55          | T56892A        | T56892A Toxic effect of other metals, intentional self-harm, initial encounter   |
| 55          | T5692XA        | T5692XA Toxic effect of unspecified metal, intentional self-harm, initial encounter  |
| 55          | T570X2A        | T570X2A Toxic effect of arsenic and its compounds, intentional self-harm, initial encounter  |
| 55          | T571X2A        | T571X2A Toxic effect of phosphorus and its compounds, intentional self-harm, initial encounter   |
| 55          | T572X2A        | T572X2A Toxic effect of manganese and its compounds, intentional self-harm, initial encounter  |
| 55          | T573X2A        | T573X2A Toxic effect of hydrogen cyanide, intentional self-harm, initial encounter   |
| 55          | T578X2A        | T578X2A Toxic effect of other specified inorganic substances, intentional self-harm, initial encounter                                   |
| 55          | T5792XA        | T5792XA Toxic effect of unspecified inorganic substance, intentional self-harm, initial encounter  |
| 55          | T5802XA        | T5802XA Toxic effect of carbon monoxide from motor vehicle exhaust, intentional self-harm, initial encounter                             |
| 55          | T5812XA        | T5812XA Toxic effect of carbon monoxide from utility gas, intentional self-harm, initial encounter                                       |
| 55          | T582X2A        | T582X2A Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, intentional self-harm, initial encounter     |
| 55          | T588X2A        | T588X2A Toxic effect of carbon monoxide from other source, intentional self-harm, initial encounter                                      |
| 55          | T5892XA        | T5892XA Toxic effect of carbon monoxide from unspecified source, intentional self-harm, initial encounter                                |
| 55          | T590X2A        | T590X2A Toxic effect of nitrogen oxides, intentional self-harm, initial encounter  |
| 55          | T591X2A        | T591X2A Toxic effect of sulfur dioxide, intentional self-harm, initial encounter   |
| 55          | T592X2A        | T592X2A Toxic effect of formaldehyde, intentional self-harm, initial encounter   |
| 55          | T593X2A        | T593X2A Toxic effect of lacrimogenic gas, intentional self-harm, initial encounter   |
| 55          | T594X2A        | T594X2A Toxic effect of chlorine gas, intentional self-harm, initial encounter   |
| 55          | T595X2A        | T595X2A Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, initial encounter                                     |
| 55          | T596X2A        | T596X2A Toxic effect of hydrogen sulfide, intentional self-harm, initial encounter   |
| 55          | T597X2A        | T597X2A Toxic effect of carbon dioxide, intentional self-harm, initial encounter   |
| 55          | T59812A        | T59812A Toxic effect of smoke, intentional self-harm, initial encounter  |
| 55          | T59892A        | T59892A Toxic effect of other specified gases, fumes and vapors, intentional self-harm, initial encounter                                |
| 55          | T5992XA        | T5992XA Toxic effect of unspecified gases, fumes and vapors, intentional self-harm, initial encounter                                    |
| 55          | T600X2A        | T600X2A Toxic effect of organophosphate and carbamate insecticides, intentional self-harm, initial encounter                             |
| 55          | T600X2S        | T600X2S Toxic effect of organophosphate and carbamate insecticides, intentional self-harm, sequela                                       |
| 55          | T601X2A        | T601X2A Toxic effect of halogenated insecticides, intentional self-harm, initial encounter   |
| 55          | T601X2S        | T601X2S Toxic effect of halogenated insecticides, intentional self-harm, sequela   |
| 55          | T602X2A        | T602X2A Toxic effect of other insecticides, intentional self-harm, initial encounter   |
| 55          | T602X2S        | T602X2S Toxic effect of other insecticides, intentional self-harm, sequela   |
| 55          | T603X2A        | T603X2A Toxic effect of herbicides and fungicides, intentional self-harm, initial encounter  |
| 55          | T603X2S        | T603X2S Toxic effect of herbicides and fungicides, intentional self-harm, sequela  |
| 55          | T604X2A        | T604X2A Toxic effect of rodenticides, intentional self-harm, initial encounter   |
| 55          | T604X2S        | T604X2S Toxic effect of rodenticides, intentional self-harm, sequela   |
| 55          | T608X2A        | T608X2A Toxic effect of other pesticides, intentional self-harm, initial encounter   |
| 55          | T608X2S        | T608X2S Toxic effect of other pesticides, intentional self-harm, sequela   |
| 55          | T6092XA        | T6092XA Toxic effect of unspecified pesticide, intentional self-harm, initial encounter  |
| 55          | T6092XS        | T6092XS Toxic effect of unspecified pesticide, intentional self-harm, sequela  |
| 55          | T6102XA        | T6102XA Ciguatera fish poisoning, intentional self-harm, initial encounter   |
| 55          | T6102XS        | T6102XS Ciguatera fish poisoning, intentional self-harm, sequela   |
| 55          | T6112XA        | T6112XA Scombroid fish poisoning, intentional self-harm, initial encounter   |
| 55          | T6112XS        | T6112XS Scombroid fish poisoning, intentional self-harm, sequela   |
| 55          | T61772A        | T61772A Other fish poisoning, intentional self-harm, initial encounter   |
| 55          | T61772S        | T61772S Other fish poisoning, intentional self-harm, sequela   |
| 55          | T61782A        | T61782A Other shellfish poisoning, intentional self-harm, initial encounter  |
| 55          | T61782S        | T61782S Other shellfish poisoning, intentional self-harm, sequela  |
| 55          | T618X2A        | T618X2A Toxic effect of other seafood, intentional self-harm, initial encounter  |
| 55          | T618X2S        | T618X2S Toxic effect of other seafood, intentional self-harm, sequela  |
| 55          | T6192XA        | T6192XA Toxic effect of unspecified seafood, intentional self-harm, initial encounter  |
| 55          | T6192XS        | T6192XS Toxic effect of unspecified seafood, intentional self-harm, sequela  |
| 55          | T620X2A        | T620X2A Toxic effect of ingested mushrooms, intentional self-harm, initial encounter   |
| 55          | T620X2S        | T620X2S Toxic effect of ingested mushrooms, intentional self-harm, sequela   |
| 55          | T621X2A        | T621X2A Toxic effect of ingested berries, intentional self-harm, initial encounter   |
| 55          | T621X2S        | T621X2S Toxic effect of ingested berries, intentional self-harm, sequela   |
| 55          | T622X2A        | T622X2A Toxic effect of other ingested (parts of) plant(s), intentional self-harm, initial encounter                                     |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 55   | T622X2S | T622X2S Toxic effect of other ingested (parts of) plant(s), intentional self-harm, sequela                         |
| 55   | T628X2A | T628X2A Toxic effect of other specified noxious substances eaten as food, intentional self-harm, initial encounter |
| 55   | T628X2S | T628X2S Toxic effect of other specified noxious substances eaten as food, intentional self-harm, sequela           |
| 55   | T6292XA | T6292XA Toxic effect of unspecified noxious substance eaten as food, intentional self-harm, initial encounter      |
| 55   | T6292XS | T6292XS Toxic effect of unspecified noxious substance eaten as food, intentional self-harm, sequela                |
| 55   | T63002A | T63002A Toxic effect of unspecified snake venom, intentional self-harm, initial encounter                          |
| 55   | T63003S | T63003S Toxic effect of unspecified snake venom, assault, sequela  |
| 55   | T63012A | T63012A Toxic effect of rattlesnake venom, intentional self-harm, initial encounter                                |
| 55   | T63012S | T63012S Toxic effect of rattlesnake venom, intentional self-harm, sequela  |
| 55   | T63022A | T63022A Toxic effect of coral snake venom, intentional self-harm, initial encounter                                |
| 55   | T63022S | T63022S Toxic effect of coral snake venom, intentional self-harm, sequela  |
| 55   | T63032A | T63032A Toxic effect of taipan venom, intentional self-harm, initial encounter                                     |
| 55   | T63032S | T63032S Toxic effect of taipan venom, intentional self-harm, sequela   |
| 55   | T63042A | T63042A Toxic effect of cobra venom, intentional self-harm, initial encounter                                      |
| 55   | T63042S | T63042S Toxic effect of cobra venom, intentional self-harm, sequela  |
| 55   | T63062A | T63062A Toxic effect of venom of other North and South American snake, intentional self-harm, initial encounter    |
| 55   | T63062S | T63062S Toxic effect of venom of other North and South American snake, intentional self-harm, sequela              |
| 55   | T63072A | T63072A Toxic effect of venom of other Australian snake, intentional self-harm, initial encounter                  |
| 55   | T63072S | T63072S Toxic effect of venom of other Australian snake, intentional self-harm, sequela                            |
| 55   | T63082A | T63082A Toxic effect of venom of other African and Asian snake, intentional self-harm, initial encounter           |
| 55   | T63082S | T63082S Toxic effect of venom of other African and Asian snake, intentional self-harm, sequela                     |
| 55   | T63092A | T63092A Toxic effect of venom of other snake, intentional self-harm, initial encounter                             |
| 55   | T63092S | T63092S Toxic effect of venom of other snake, intentional self-harm, sequela                                       |
| 55   | T63112A | T63112A Toxic effect of venom of gila monster, intentional self-harm, initial encounter                            |
| 55   | T63112S | T63112S Toxic effect of venom of gila monster, intentional self-harm, sequela                                      |
| 55   | T63122A | T63122A Toxic effect of venom of other venomous lizard, intentional self-harm, initial encounter                   |
| 55   | T63122S | T63122S Toxic effect of venom of other venomous lizard, intentional self-harm, sequela                             |
| 55   | T63192A | T63192A Toxic effect of venom of other reptiles, intentional self-harm, initial encounter                          |
| 55   | T63192S | T63192S Toxic effect of venom of other reptiles, intentional self-harm, sequela                                    |
| 55   | T632X2A | T632X2A Toxic effect of venom of scorpion, intentional self-harm, initial encounter                                |
| 55   | T632X2S | T632X2S Toxic effect of venom of scorpion, intentional self-harm, sequela  |
| 55   | T63302A | T63302A Toxic effect of unspecified spider venom, intentional self-harm, initial encounter                         |
| 55   | T63302S | T63302S Toxic effect of unspecified spider venom, intentional self-harm, sequela                                   |
| 55   | T63312A | T63312A Toxic effect of venom of black widow spider, intentional self-harm, initial encounter                      |
| 55   | T63312S | T63312S Toxic effect of venom of black widow spider, intentional self-harm, sequela                                |
| 55   | T63322A | T63322A Toxic effect of venom of tarantula, intentional self-harm, initial encounter                               |
| 55   | T63322S | T63322S Toxic effect of venom of tarantula, intentional self-harm, sequela   |
| 55   | T63332A | T63332A Toxic effect of venom of brown recluse spider, intentional self-harm, initial encounter                    |
| 55   | T63332S | T63332S Toxic effect of venom of brown recluse spider, intentional self-harm, sequela                              |
| 55   | T63392A | T63392A Toxic effect of venom of other spider, intentional self-harm, initial encounter                            |
| 55   | T63392S | T63392S Toxic effect of venom of other spider, intentional self-harm, sequela                                      |
| 55   | T63412A | T63412A Toxic effect of venom of centipedes and venomous millipedes, intentional self-harm, initial encounter      |
| 55   | T63412S | T63412S Toxic effect of venom of centipedes and venomous millipedes, intentional self-harm, sequela                |
| 55   | T63422A | T63422A Toxic effect of venom of ants, intentional self-harm, initial encounter                                    |
| 55   | T63422S | T63422S Toxic effect of venom of ants, intentional self-harm, sequela  |
| 55   | T63432A | T63432A Toxic effect of venom of caterpillars, intentional self-harm, initial encounter                            |
| 55   | T63432S | T63432S Toxic effect of venom of caterpillars, intentional self-harm, sequela                                      |
| 55   | T63442A | T63442A Toxic effect of venom of bees, intentional self-harm, initial encounter                                    |
| 55   | T63442S | T63442S Toxic effect of venom of bees, intentional self-harm, sequela  |
| 55   | T63452A | T63452A Toxic effect of venom of hornets, intentional self-harm, initial encounter                                 |
| 55   | T63452S | T63452S Toxic effect of venom of hornets, intentional self-harm, sequela   |
| 55   | T63462A | T63462A Toxic effect of venom of wasps, intentional self-harm, initial encounter                                   |
| 55   | T63462S | T63462S Toxic effect of venom of wasps, intentional self-harm, sequela   |
| 55   | T63482A | T63482A Toxic effect of venom of other arthropod, intentional self-harm, initial encounter                         |
| 55   | T63482S | T63482S Toxic effect of venom of other arthropod, intentional self-harm, sequela                                   |
| 55   | T63512A | T63512A Toxic effect of contact with stingray, intentional self-harm, initial encounter                            |
| 55   | T63512S | T63512S Toxic effect of contact with stingray, intentional self-harm, sequela                                      |
| 55   | T63592A | T63592A Toxic effect of contact with other venomous fish, intentional self-harm, initial encounter                 |
| 55   | T63592S | T63592S Toxic effect of contact with other venomous fish, intentional self-harm, sequela                           |
| 55   | T63612A | T63612A Toxic effect of contact with Portugese Man-o-war, intentional self-harm, initial encounter                 |
| 55   | T63612S | T63612S Toxic effect of contact with Portugese Man-o-war, intentional self-harm, sequela                           |
| 55   | T63622A | T63622A Toxic effect of contact with other jellyfish, intentional self-harm, initial encounter                     |
| 55   | T63622S | T63622S Toxic effect of contact with other jellyfish, intentional self-harm, sequela                               |
| 55   | T63632A | T63632A Toxic effect of contact with sea anemone, intentional self-harm, initial encounter                         |
| 55   | T63632S | T63632S Toxic effect of contact with sea anemone, intentional self-harm, sequela                                   |
| 55   | T63692A | T63692A Toxic effect of contact with other venomous marine animals, intentional self-harm, initial encounter       |
| 55   | T63692S | T63692S Toxic effect of contact with other venomous marine animals, intentional self-harm, sequela                 |
| 55   | T63712A | T63712A Toxic effect of contact with venomous marine plant, intentional self-harm, initial encounter               |
| 55   | T63712S | T63712S Toxic effect of contact with venomous marine plant, intentional self-harm, sequela                         |
| 55   | T63792A | T63792A Toxic effect of contact with other venomous plant, intentional self-harm, initial encounter                |
| 55   | T63792S | T63792S Toxic effect of contact with other venomous plant, intentional self-harm, sequela                          |
| 55   | T63812A | T63812A Toxic effect of contact with venomous frog, intentional self-harm, initial encounter                       |
| 55   | T63812S | T63812S Toxic effect of contact with venomous frog, intentional self-harm, sequela                                 |
| 55   | T63822A | T63822A Toxic effect of contact with venomous toad, intentional self-harm, initial encounter                       |
| 55   | T63822S | T63822S Toxic effect of contact with venomous toad, intentional self-harm, sequela                                 |
| 55   | T63832A | T63832A Toxic effect of contact with other venomous amphibian, intentional self-harm, initial encounter            |
| 55   | T63832S | T63832S Toxic effect of contact with other venomous amphibian, intentional self-harm, sequela                      |
| 55   | T63892A | T63892A Toxic effect of contact with other venomous animals, intentional self-harm, initial encounter              |
| 55   | T63892S | T63892S Toxic effect of contact with other venomous animals, intentional self-harm, sequela                        |
| 55   | T6392XA | T6392XA Toxic effect of contact with unspecified venomous animal, intentional self-harm, initial encounter         |
| 55   | T6392XS | T6392XS Toxic effect of contact with unspecified venomous animal, intentional self-harm, sequela                   |
| 55   | T6402XA | T6402XA Toxic effect of aflatoxin, intentional self-harm, initial encounter  |
| 55   | T6402XS | T6402XS Toxic effect of aflatoxin, intentional self-harm, sequela  |
| 55   | T6482XA | T6482XA Toxic effect of other mycotoxin food contaminants, intentional self-harm, initial encounter                |
| 55   | T6482XS | T6482XS Toxic effect of other mycotoxin food contaminants, intentional self-harm, sequela                          |
| 55   | T650X2A | T650X2A Toxic effect of cyanides, intentional self-harm, initial encounter   |
| 55   | T650X2S | T650X2S Toxic effect of cyanides, intentional self-harm, sequela   |
| 55   | T651X2A | T651X2A Toxic effect of strychnine and its salts, intentional self-harm, initial encounter                         |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM  | ICD10_ICD10CM_desc   |
|------|----------|--|
| 55   | X76XXXA  | X76XXXA Intentional self-harm by smoke, fire and flames, initial encounter   |
| 55   | X76XXXD  | X76XXXD Intentional self-harm by smoke, fire and flames, subsequent encounter  |
| 55   | X76XXXS  | X76XXXS Intentional self-harm by smoke, fire and flames, sequela   |
| 55   | X770XXXA | X770XXXA Intentional self-harm by steam or hot vapors, initial encounter   |
| 55   | X770XXXD | X770XXXD Intentional self-harm by steam or hot vapors, subsequent encounter  |
| 55   | X770XXXS | X770XXXS Intentional self-harm by steam or hot vapors, sequela   |
| 55   | X771XXXA | X771XXXA Intentional self-harm by hot tap water, initial encounter   |
| 55   | X771XXXD | X771XXXD Intentional self-harm by hot tap water, subsequent encounter  |
| 55   | X771XXXS | X771XXXS Intentional self-harm by hot tap water, sequela   |
| 55   | X772XXXA | X772XXXA Intentional self-harm by other hot fluids, initial encounter  |
| 55   | X772XXXD | X772XXXD Intentional self-harm by other hot fluids, subsequent encounter   |
| 55   | X772XXXS | X772XXXS Intentional self-harm by other hot fluids, sequela  |
| 55   | X773XXXA | X773XXXA Intentional self-harm by hot household appliances, initial encounter  |
| 55   | X773XXXD | X773XXXD Intentional self-harm by hot household appliances, subsequent encounter   |
| 55   | X773XXXS | X773XXXS Intentional self-harm by hot household appliances, sequela  |
| 55   | X778XXXA | X778XXXA Intentional self-harm by other hot objects, initial encounter   |
| 55   | X778XXXD | X778XXXD Intentional self-harm by other hot objects, subsequent encounter  |
| 55   | X778XXXS | X778XXXS Intentional self-harm by other hot objects, sequela   |
| 55   | X779XXXA | X779XXXA Intentional self-harm by unspecified hot objects, initial encounter   |
| 55   | X779XXXD | X779XXXD Intentional self-harm by unspecified hot objects, subsequent encounter  |
| 55   | X779XXXS | X779XXXS Intentional self-harm by unspecified hot objects, sequela   |
| 55   | X780XXXA | X780XXXA Intentional self-harm by sharp glass, initial encounter   |
| 55   | X780XXXD | X780XXXD Intentional self-harm by sharp glass, subsequent encounter  |
| 55   | X780XXXS | X780XXXS Intentional self-harm by sharp glass, sequela   |
| 55   | X781XXXA | X781XXXA Intentional self-harm by knife, initial encounter   |
| 55   | X781XXXD | X781XXXD Intentional self-harm by knife, subsequent encounter  |
| 55   | X781XXXS | X781XXXS Intentional self-harm by knife, sequela   |
| 55   | X782XXXA | X782XXXA Intentional self-harm by sword or dagger, initial encounter   |
| 55   | X782XXXD | X782XXXD Intentional self-harm by sword or dagger, subsequent encounter  |
| 55   | X782XXXS | X782XXXS Intentional self-harm by sword or dagger, sequela   |
| 55   | X788XXXA | X788XXXA Intentional self-harm by other sharp object, initial encounter  |
| 55   | X788XXXD | X788XXXD Intentional self-harm by other sharp object, subsequent encounter   |
| 55   | X788XXXS | X788XXXS Intentional self-harm by other sharp object, sequela  |
| 55   | X789XXXA | X789XXXA Intentional self-harm by unspecified sharp object, initial encounter  |
| 55   | X789XXXD | X789XXXD Intentional self-harm by unspecified sharp object, subsequent encounter   |
| 55   | X789XXXS | X789XXXS Intentional self-harm by unspecified sharp object, sequela  |
| 55   | X790XXXA | X790XXXA Intentional self-harm by blunt object, initial encounter  |
| 55   | X790XXXD | X790XXXD Intentional self-harm by blunt object, subsequent encounter   |
| 55   | X790XXXS | X790XXXS Intentional self-harm by blunt object, sequela  |
| 55   | X800XXXA | X800XXXA Intentional self-harm by jumping from a high place, initial encounter   |
| 55   | X800XXXD | X800XXXD Intentional self-harm by jumping from a high place, subsequent encounter  |
| 55   | X800XXXS | X800XXXS Intentional self-harm by jumping from a high place, sequela   |
| 55   | X810XXXA | X810XXXA Intentional self-harm by jumping or lying in front of motor vehicle, initial encounter                                |
| 55   | X810XXXD | X810XXXD Intentional self-harm by jumping or lying in front of motor vehicle, subsequent encounter                             |
| 55   | X810XXXS | X810XXXS Intentional self-harm by jumping or lying in front of motor vehicle, sequela  |
| 55   | X811XXXA | X811XXXA Intentional self-harm by jumping or lying in front of (subway) train, initial encounter                               |
| 55   | X811XXXD | X811XXXD Intentional self-harm by jumping or lying in front of (subway) train, subsequent encounter                            |
| 55   | X811XXXS | X811XXXS Intentional self-harm by jumping or lying in front of (subway) train, sequela   |
| 55   | X818XXXA | X818XXXA Intentional self-harm by jumping or lying in front of other moving object, initial encounter                          |
| 55   | X818XXXD | X818XXXD Intentional self-harm by jumping or lying in front of other moving object, subsequent encounter                       |
| 55   | X818XXXS | X818XXXS Intentional self-harm by jumping or lying in front of other moving object, sequela                                    |
| 55   | X820XXXA | X820XXXA Intentional collision of motor vehicle with other motor vehicle, initial encounter                                    |
| 55   | X820XXXD | X820XXXD Intentional collision of motor vehicle with other motor vehicle, subsequent encounter                                 |
| 55   | X820XXXS | X820XXXS Intentional collision of motor vehicle with other motor vehicle, sequela  |
| 55   | X821XXXA | X821XXXA Intentional collision of motor vehicle with train, initial encounter  |
| 55   | X821XXXD | X821XXXD Intentional collision of motor vehicle with train, subsequent encounter   |
| 55   | X821XXXS | X821XXXS Intentional collision of motor vehicle with train, sequela  |
| 55   | X822XXXA | X822XXXA Intentional collision of motor vehicle with tree, initial encounter   |
| 55   | X822XXXD | X822XXXD Intentional collision of motor vehicle with tree, subsequent encounter  |
| 55   | X822XXXS | X822XXXS Intentional collision of motor vehicle with tree, sequela   |
| 55   | X828XXXA | X828XXXA Other intentional self-harm by crashing of motor vehicle, initial encounter   |
| 55   | X828XXXD | X828XXXD Other intentional self-harm by crashing of motor vehicle, subsequent encounter  |
| 55   | X828XXXS | X828XXXS Other intentional self-harm by crashing of motor vehicle, sequela   |
| 55   | X830XXXA | X830XXXA Intentional self-harm by crashing of aircraft, initial encounter  |
| 55   | X830XXXD | X830XXXD Intentional self-harm by crashing of aircraft, subsequent encounter   |
| 55   | X830XXXS | X830XXXS Intentional self-harm by crashing of aircraft, sequela  |
| 55   | X831XXXA | X831XXXA Intentional self-harm by electrocution, initial encounter   |
| 55   | X831XXXD | X831XXXD Intentional self-harm by electrocution, subsequent encounter  |
| 55   | X831XXXS | X831XXXS Intentional self-harm by electrocution, sequela   |
| 55   | X832XXXA | X832XXXA Intentional self-harm by exposure to extremes of cold, initial encounter  |
| 55   | X832XXXD | X832XXXD Intentional self-harm by exposure to extremes of cold, subsequent encounter   |
| 55   | X832XXXS | X832XXXS Intentional self-harm by exposure to extremes of cold, sequela  |
| 55   | X838XXXA | X838XXXA Intentional self-harm by other specified means, initial encounter   |
| 55   | X838XXXD | X838XXXD Intentional self-harm by other specified means, subsequent encounter  |
| 55   | X838XXXS | X838XXXS Intentional self-harm by other specified means, sequela   |
| 55   | Y92009   | Y92009 Unspecified place in unspecified non-institutional (private) residence as the place of occurrence of the external cause |
| 55   | Y92828   | Y92828 Other wilderness area as the place of occurrence of the external cause  |
| 55   | Y92838   | Y92838 Other recreation area as the place of occurrence of the external cause  |
| 55   | Y9289    | Y9289 Other specified places as the place of occurrence of the external cause  |
| 55   | Y929     | Y929 Unspecified place or not applicable   |
| 56   | F23      | F23 Brief psychotic disorder   |
| 56   | F28      | F28 Other psychotic disorder not due to a substance or known physiological condition   |
| 56   | F29      | F29 Unspecified psychosis not due to a substance or known physiological condition  |
| 56   | F323     | F323 Major depressive disorder, single episode, severe with psychotic features   |
| 56   | F4489    | F4489 Other dissociative and conversion disorders  |
| 58   | F341     | F341 Dysthymic disorder  |
| 58   | F4321    | F4321 Adjustment disorder with depressed mood  |
| 60   | F413     | F413 Other mixed anxiety disorders   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 60          | F418           | F418 Other specified anxiety disorders   |
| 60          | F419           | F419 Anxiety disorder, unspecified   |
| 60          | F430           | F430 Acute stress reaction   |
| 60          | F4320          | F4320 Adjustment disorder, unspecified   |
| 60          | F4321          | F4321 Adjustment disorder with depressed mood  |
| 60          | F4322          | F4322 Adjustment disorder with anxiety   |
| 60          | F4323          | F4323 Adjustment disorder with mixed anxiety and depressed mood                                      |
| 60          | F4324          | F4324 Adjustment disorder with disturbance of conduct  |
| 60          | F4325          | F4325 Adjustment disorder with mixed disturbance of emotions and conduct                             |
| 60          | F4329          | F4329 Adjustment disorder with other symptoms  |
| 60          | F438           | F438 Other reactions to severe stress  |
| 60          | F439           | F439 Reaction to severe stress, unspecified  |
| 60          | F4541          | F4541 Pain disorder exclusively related to psychological factors                                     |
| 60          | F4542          | F4542 Pain disorder with related psychological factors   |
| 60          | F458           | F458 Other somatoform disorders  |
| 60          | F459           | F459 Somatoform disorder, unspecified  |
| 60          | F488           | F488 Other specified nonpsychotic mental disorders   |
| 60          | F489           | F489 Nonpsychotic mental disorder, unspecified   |
| 60          | F508           | F508 Other eating disorders  |
| 60          | F5081          | F5081 Binge eating disorder  |
| 60          | F5089          | F5089 Other specified eating disorder  |
| 60          | F509           | F509 Eating disorder, unspecified  |
| 60          | F5101          | F5101 Primary insomnia   |
| 60          | F5102          | F5102 Adjustment insomnia  |
| 60          | F5103          | F5103 Paradoxical insomnia   |
| 60          | F5109          | F5109 Other insomnia not due to a substance or known physiological condition                         |
| 60          | F5111          | F5111 Primary hypersomnia  |
| 60          | F5112          | F5112 Insufficient sleep syndrome  |
| 60          | F5119          | F5119 Other hypersomnia not due to a substance or known physiological condition                      |
| 60          | F513           | F513 Sleepwalking [somnambulism]   |
| 60          | F514           | F514 Sleep terrors [night terrors]   |
| 60          | F515           | F515 Nightmare disorder  |
| 60          | F518           | F518 Other sleep disorders not due to a substance or known physiological condition                   |
| 60          | F519           | F519 Sleep disorder not due to a substance or known physiological condition, unspecified             |
| 60          | F520           | F520 Hypoactive sexual desire disorder   |
| 60          | F521           | F521 Sexual aversion disorder  |
| 60          | F5221          | F5221 Male erectile disorder   |
| 60          | F5222          | F5222 Female sexual arousal disorder   |
| 60          | F5231          | F5231 Female orgasmic disorder   |
| 60          | F5232          | F5232 Male orgasmic disorder   |
| 60          | F524           | F524 Premature ejaculation   |
| 60          | F525           | F525 Vaginismus not due to a substance or known physiological condition                              |
| 60          | F526           | F526 Dyspareunia not due to a substance or known physiological condition                             |
| 60          | F528           | F528 Other sexual dysfunction not due to a substance or known physiological condition                |
| 60          | F529           | F529 Unspecified sexual dysfunction not due to a substance or known physiological condition          |
| 60          | F54            | F54 Psychological and behavioral factors associated with disorders or diseases classified elsewhere  |
| 60          | F59            | F59 Unspecified behavioral syndromes associated with physiological disturbances and physical factors |
| 60          | F630           | F630 Pathological gambling   |
| 60          | F631           | F631 Pyromania   |
| 60          | F632           | F632 Kleptomania   |
| 60          | F633           | F633 Trichotillomania  |
| 60          | F6381          | F6381 Intermittent explosive disorder  |
| 60          | F6389          | F6389 Other impulse disorders  |
| 60          | F639           | F639 Impulse disorder, unspecified   |
| 60          | F641           | F641 Gender identity disorder in adolescence and adulthood   |
| 60          | F642           | F642 Gender identity disorder of childhood   |
| 60          | F648           | F648 Other gender identity disorders   |
| 60          | F649           | F649 Gender identity disorder, unspecified   |
| 60          | F650           | F650 Fetishism   |
| 60          | F651           | F651 Transvestic fetishism   |
| 60          | F652           | F652 Exhibitionism   |
| 60          | F653           | F653 Voyeurism   |
| 60          | F654           | F654 Pedophilia  |
| 60          | F6550          | F6550 Sadomasochism, unspecified   |
| 60          | F6551          | F6551 Sexual masochism   |
| 60          | F6552          | F6552 Sexual sadism  |
| 60          | F6581          | F6581 Frotteurism  |
| 60          | F6589          | F6589 Other paraphilias  |
| 60          | F659           | F659 Paraphilia, unspecified   |
| 60          | F66            | F66 Other sexual disorders   |
| 60          | F910           | F910 Conduct disorder confined to family context   |
| 60          | F911           | F911 Conduct disorder, childhood-onset type  |
| 60          | F912           | F912 Conduct disorder, adolescent-onset type   |
| 60          | F918           | F918 Other conduct disorders   |
| 60          | F919           | F919 Conduct disorder, unspecified   |
| 60          | F930           | F930 Separation anxiety disorder of childhood  |
| 60          | F948           | F948 Other childhood disorders of social functioning   |
| 60          | F950           | F950 Transient tic disorder  |
| 60          | F951           | F951 Chronic motor or vocal tic disorder   |
| 60          | F952           | F952 Tourette's disorder   |
| 60          | F958           | F958 Other tic disorders   |
| 60          | F959           | F959 Tic disorder, unspecified   |
| 60          | F980           | F980 Enuresis not due to a substance or known physiological condition                                |
| 60          | F981           | F981 Encopresis not due to a substance or known physiological condition                              |
| 60          | F9821          | F9821 Rumination disorder of infancy   |
| 60          | F9829          | F9829 Other feeding disorders of infancy and early childhood   |
| 60          | F983           | F983 Pica of infancy and childhood   |
| 60          | F984           | F984 Stereotyped movement disorders  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 60   | F985    | F985 Adult onset fluency disorder   |
| 60   | F99     | F99 Mental disorder, not otherwise specified  |
| 60   | R37     | R37 Sexual dysfunction, unspecified   |
| 60   | R451    | R451 Restlessness and agitation   |
| 60   | R452    | R452 Unhappiness  |
| 60   | R455    | R455 Hostility  |
| 60   | R456    | R456 Violent behavior   |
| 60   | R457    | R457 State of emotional shock and stress, unspecified                               |
| 60   | R4581   | R4581 Low self-esteem   |
| 60   | R4582   | R4582 Worries   |
| 60   | Z87890  | Z87890 Personal history of sex reassignment   |
| 67   | G120    | G120 Infantile spinal muscular atrophy, type I [Werdnig-Hoffman]                    |
| 67   | G121    | G121 Other inherited spinal muscular atrophy  |
| 67   | G1220   | G1220 Motor neuron disease, unspecified   |
| 67   | G1221   | G1221 Amyotrophic lateral sclerosis   |
| 67   | G1222   | G1222 Progressive bulbar palsy  |
| 67   | G1229   | G1229 Other motor neuron disease  |
| 67   | G128    | G128 Other spinal muscular atrophies and related syndromes                          |
| 67   | G129    | G129 Spinal muscular atrophy, unspecified   |
| 67   | G800    | G800 Spastic quadriplegic cerebral palsy  |
| 67   | G8250   | G8250 Quadriplegia, unspecified   |
| 67   | G8251   | G8251 Quadriplegia, C1-C4 complete  |
| 67   | G8252   | G8252 Quadriplegia, C1-C4 incomplete  |
| 67   | G8253   | G8253 Quadriplegia, C5-C7 complete  |
| 67   | G8254   | G8254 Quadriplegia, C5-C7 incomplete  |
| 67   | G835    | G835 Locked-in state  |
| 67   | S14111A | S14111A Complete lesion at C1 level of cervical spinal cord, initial encounter      |
| 67   | S14112A | S14112A Complete lesion at C2 level of cervical spinal cord, initial encounter      |
| 67   | S14113A | S14113A Complete lesion at C3 level of cervical spinal cord, initial encounter      |
| 67   | S14114A | S14114A Complete lesion at C4 level of cervical spinal cord, initial encounter      |
| 67   | S14115A | S14115A Complete lesion at C5 level of cervical spinal cord, initial encounter      |
| 67   | S14116A | S14116A Complete lesion at C6 level of cervical spinal cord, initial encounter      |
| 67   | S14117A | S14117A Complete lesion at C7 level of cervical spinal cord, initial encounter      |
| 67   | S14118A | S14118A Complete lesion at C8 level of cervical spinal cord, initial encounter      |
| 68   | G041    | G041 Tropical spastic paraplegia  |
| 68   | G801    | G801 Spastic diplegic cerebral palsy  |
| 68   | G8220   | G8220 Paraplegia, unspecified   |
| 68   | G8221   | G8221 Paraplegia, complete  |
| 68   | G8222   | G8222 Paraplegia, incomplete  |
| 68   | S24111A | S24111A Complete lesion at T1 level of thoracic spinal cord, initial encounter      |
| 68   | S24112A | S24112A Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter   |
| 68   | S24113A | S24113A Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter  |
| 68   | S24114A | S24114A Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter |
| 69   | G110    | G110 Congenital nonprogressive ataxia   |
| 69   | G111    | G111 Early-onset cerebellar ataxia  |
| 69   | G112    | G112 Late-onset cerebellar ataxia   |
| 69   | G113    | G113 Cerebellar ataxia with defective DNA repair                                    |
| 69   | G114    | G114 Hereditary spastic paraplegia  |
| 69   | G118    | G118 Other hereditary ataxias   |
| 69   | G119    | G119 Hereditary ataxia, unspecified   |
| 69   | G320    | G320 Subacute combined degeneration of spinal cord in diseases classified elsewhere |
| 69   | G3281   | G3281 Cerebellar ataxia in diseases classified elsewhere                            |
| 69   | G834    | G834 Cauda equina syndrome  |
| 69   | G901    | G901 Familial dysautonomia [Riley-Day]  |
| 69   | G950    | G950 Syringomyelia and syringobulbia  |
| 69   | G9511   | G9511 Acute infarction of spinal cord (embolic) (nonembolic)                        |
| 69   | G9519   | G9519 Other vascular myelopathies   |
| 69   | G9520   | G9520 Unspecified cord compression  |
| 69   | G9529   | G9529 Other cord compression  |
| 69   | G9581   | G9581 Conus medullaris syndrome   |
| 69   | G9589   | G9589 Other specified diseases of spinal cord                                       |
| 69   | G959    | G959 Disease of spinal cord, unspecified  |
| 69   | G992    | G992 Myelopathy in diseases classified elsewhere                                    |
| 69   | Q000    | Q000 Anencephaly  |
| 69   | Q001    | Q001 Craniorachischisis   |
| 69   | Q002    | Q002 Iniencephaly   |
| 69   | Q010    | Q010 Frontal encephalocele  |
| 69   | Q011    | Q011 Nasofrontal encephalocele  |
| 69   | Q012    | Q012 Occipital encephalocele  |
| 69   | Q018    | Q018 Encephalocele of other sites   |
| 69   | Q019    | Q019 Encephalocele, unspecified   |
| 69   | Q02     | Q02 Microcephaly  |
| 69   | Q030    | Q030 Malformations of aqueduct of Sylvius   |
| 69   | Q031    | Q031 Atresia of foramina of Magendie and Luschka                                    |
| 69   | Q038    | Q038 Other congenital hydrocephalus   |
| 69   | Q039    | Q039 Congenital hydrocephalus, unspecified  |
| 69   | Q040    | Q040 Congenital malformations of corpus callosum                                    |
| 69   | Q041    | Q041 Arhinencephaly   |
| 69   | Q042    | Q042 Holoprosencephaly  |
| 69   | Q043    | Q043 Other reduction deformities of brain   |
| 69   | Q044    | Q044 Septo-optic dysplasia of brain   |
| 69   | Q045    | Q045 Megalencephaly   |
| 69   | Q046    | Q046 Congenital cerebral cysts  |
| 69   | Q048    | Q048 Other specified congenital malformations of brain                              |
| 69   | Q049    | Q049 Congenital malformation of brain, unspecified                                  |
| 69   | Q050    | Q050 Cervical spina bifida with hydrocephalus                                       |
| 69   | Q051    | Q051 Thoracic spina bifida with hydrocephalus                                       |
| 69   | Q052    | Q052 Lumbar spina bifida with hydrocephalus   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 69   | Q053    | Q053 Sacral spina bifida with hydrocephalus  |
| 69   | Q054    | Q054 Unspecified spina bifida with hydrocephalus   |
| 69   | Q055    | Q055 Cervical spina bifida without hydrocephalus   |
| 69   | Q056    | Q056 Thoracic spina bifida without hydrocephalus   |
| 69   | Q057    | Q057 Lumbar spina bifida without hydrocephalus   |
| 69   | Q058    | Q058 Sacral spina bifida without hydrocephalus   |
| 69   | Q059    | Q059 Spina bifida, unspecified   |
| 69   | Q060    | Q060 Amyelia   |
| 69   | Q061    | Q061 Hypoplasia and dysplasia of spinal cord   |
| 69   | Q062    | Q062 Diastematomyelia  |
| 69   | Q063    | Q063 Other congenital cauda equina malformations   |
| 69   | Q064    | Q064 Hydromyelia   |
| 69   | Q068    | Q068 Other specified congenital malformations of spinal cord                                   |
| 69   | Q069    | Q069 Congenital malformation of spinal cord, unspecified                                       |
| 69   | Q0700   | Q0700 Arnold-Chiari syndrome without spina bifida or hydrocephalus                             |
| 69   | Q0701   | Q0701 Arnold-Chiari syndrome with spina bifida   |
| 69   | Q0702   | Q0702 Arnold-Chiari syndrome with hydrocephalus  |
| 69   | Q0703   | Q0703 Arnold-Chiari syndrome with spina bifida and hydrocephalus                               |
| 69   | Q078    | Q078 Other specified congenital malformations of nervous system                                |
| 69   | Q079    | Q079 Congenital malformation of nervous system, unspecified                                    |
| 69   | S140XXA | S140XXA Concussion and edema of cervical spinal cord, initial encounter                        |
| 69   | S140XXS | S140XXS Concussion and edema of cervical spinal cord, sequela                                  |
| 69   | S14101A | S14101A Unspecified injury at C1 level of cervical spinal cord, initial encounter              |
| 69   | S14101S | S14101S Unspecified injury at C1 level of cervical spinal cord, sequela                        |
| 69   | S14102A | S14102A Unspecified injury at C2 level of cervical spinal cord, initial encounter              |
| 69   | S14102S | S14102S Unspecified injury at C2 level of cervical spinal cord, sequela                        |
| 69   | S14103A | S14103A Unspecified injury at C3 level of cervical spinal cord, initial encounter              |
| 69   | S14103S | S14103S Unspecified injury at C3 level of cervical spinal cord, sequela                        |
| 69   | S14104A | S14104A Unspecified injury at C4 level of cervical spinal cord, initial encounter              |
| 69   | S14104S | S14104S Unspecified injury at C4 level of cervical spinal cord, sequela                        |
| 69   | S14105A | S14105A Unspecified injury at C5 level of cervical spinal cord, initial encounter              |
| 69   | S14105S | S14105S Unspecified injury at C5 level of cervical spinal cord, sequela                        |
| 69   | S14106A | S14106A Unspecified injury at C6 level of cervical spinal cord, initial encounter              |
| 69   | S14106S | S14106S Unspecified injury at C6 level of cervical spinal cord, sequela                        |
| 69   | S14107A | S14107A Unspecified injury at C7 level of cervical spinal cord, initial encounter              |
| 69   | S14107S | S14107S Unspecified injury at C7 level of cervical spinal cord, sequela                        |
| 69   | S14108A | S14108A Unspecified injury at C8 level of cervical spinal cord, initial encounter              |
| 69   | S14108S | S14108S Unspecified injury at C8 level of cervical spinal cord, sequela                        |
| 69   | S14109A | S14109A Unspecified injury at unspecified level of cervical spinal cord, initial encounter     |
| 69   | S14109S | S14109S Unspecified injury at unspecified level of cervical spinal cord, sequela               |
| 69   | S14111S | S14111S Complete lesion at C1 level of cervical spinal cord, sequela                           |
| 69   | S14112S | S14112S Complete lesion at C2 level of cervical spinal cord, sequela                           |
| 69   | S14113S | S14113S Complete lesion at C3 level of cervical spinal cord, sequela                           |
| 69   | S14114S | S14114S Complete lesion at C4 level of cervical spinal cord, sequela                           |
| 69   | S14115S | S14115S Complete lesion at C5 level of cervical spinal cord, sequela                           |
| 69   | S14116S | S14116S Complete lesion at C6 level of cervical spinal cord, sequela                           |
| 69   | S14117S | S14117S Complete lesion at C7 level of cervical spinal cord, sequela                           |
| 69   | S14118S | S14118S Complete lesion at C8 level of cervical spinal cord, sequela                           |
| 69   | S14119A | S14119A Complete lesion at unspecified level of cervical spinal cord, initial encounter        |
| 69   | S14119S | S14119S Complete lesion at unspecified level of cervical spinal cord, sequela                  |
| 69   | S14121A | S14121A Central cord syndrome at C1 level of cervical spinal cord, initial encounter           |
| 69   | S14121S | S14121S Central cord syndrome at C1 level of cervical spinal cord, sequela                     |
| 69   | S14122S | S14122S Central cord syndrome at C2 level of cervical spinal cord, sequela                     |
| 69   | S14123S | S14123S Central cord syndrome at C3 level of cervical spinal cord, sequela                     |
| 69   | S14124A | S14124A Central cord syndrome at C4 level of cervical spinal cord, initial encounter           |
| 69   | S14124S | S14124S Central cord syndrome at C4 level of cervical spinal cord, sequela                     |
| 69   | S14125A | S14125A Central cord syndrome at C5 level of cervical spinal cord, initial encounter           |
| 69   | S14125S | S14125S Central cord syndrome at C5 level of cervical spinal cord, sequela                     |
| 69   | S14126A | S14126A Central cord syndrome at C6 level of cervical spinal cord, initial encounter           |
| 69   | S14126S | S14126S Central cord syndrome at C6 level of cervical spinal cord, sequela                     |
| 69   | S14127A | S14127A Central cord syndrome at C7 level of cervical spinal cord, initial encounter           |
| 69   | S14127S | S14127S Central cord syndrome at C7 level of cervical spinal cord, sequela                     |
| 69   | S14128A | S14128A Central cord syndrome at C8 level of cervical spinal cord, initial encounter           |
| 69   | S14128S | S14128S Central cord syndrome at C8 level of cervical spinal cord, sequela                     |
| 69   | S14129A | S14129A Central cord syndrome at unspecified level of cervical spinal cord, initial encounter  |
| 69   | S14129S | S14129S Central cord syndrome at unspecified level of cervical spinal cord, sequela            |
| 69   | S14131A | S14131A Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter          |
| 69   | S14131S | S14131S Anterior cord syndrome at C1 level of cervical spinal cord, sequela                    |
| 69   | S14132A | S14132A Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter          |
| 69   | S14132S | S14132S Anterior cord syndrome at C2 level of cervical spinal cord, sequela                    |
| 69   | S14133A | S14133A Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter          |
| 69   | S14133S | S14133S Anterior cord syndrome at C3 level of cervical spinal cord, sequela                    |
| 69   | S14134A | S14134A Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter          |
| 69   | S14134S | S14134S Anterior cord syndrome at C4 level of cervical spinal cord, sequela                    |
| 69   | S14135A | S14135A Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter          |
| 69   | S14135S | S14135S Anterior cord syndrome at C5 level of cervical spinal cord, sequela                    |
| 69   | S14136A | S14136A Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter          |
| 69   | S14136S | S14136S Anterior cord syndrome at C6 level of cervical spinal cord, sequela                    |
| 69   | S14137A | S14137A Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter          |
| 69   | S14137S | S14137S Anterior cord syndrome at C7 level of cervical spinal cord, sequela                    |
| 69   | S14138A | S14138A Anterior cord syndrome at C8 level of cervical spinal cord, initial encounter          |
| 69   | S14138S | S14138S Anterior cord syndrome at C8 level of cervical spinal cord, sequela                    |
| 69   | S14139A | S14139A Anterior cord syndrome at unspecified level of cervical spinal cord, initial encounter |
| 69   | S14139S | S14139S Anterior cord syndrome at unspecified level of cervical spinal cord, sequela           |
| 69   | S14141A | S14141A Brown-Sequard syndrome at C1 level of cervical spinal cord, initial encounter          |
| 69   | S14141S | S14141S Brown-Sequard syndrome at C1 level of cervical spinal cord, sequela                    |
| 69   | S14142A | S14142A Brown-Sequard syndrome at C2 level of cervical spinal cord, initial encounter          |
| 69   | S14142S | S14142S Brown-Sequard syndrome at C2 level of cervical spinal cord, sequela                    |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 69   | S14143A | S14143A Brown-Sequard syndrome at C3 level of cervical spinal cord, initial encounter           |
| 69   | S14143S | S14143S Brown-Sequard syndrome at C3 level of cervical spinal cord, sequela                     |
| 69   | S14144A | S14144A Brown-Sequard syndrome at C4 level of cervical spinal cord, initial encounter           |
| 69   | S14144S | S14144S Brown-Sequard syndrome at C4 level of cervical spinal cord, sequela                     |
| 69   | S14145A | S14145A Brown-Sequard syndrome at C5 level of cervical spinal cord, initial encounter           |
| 69   | S14145S | S14145S Brown-Sequard syndrome at C5 level of cervical spinal cord, sequela                     |
| 69   | S14146A | S14146A Brown-Sequard syndrome at C6 level of cervical spinal cord, initial encounter           |
| 69   | S14146S | S14146S Brown-Sequard syndrome at C6 level of cervical spinal cord, sequela                     |
| 69   | S14147A | S14147A Brown-Sequard syndrome at C7 level of cervical spinal cord, initial encounter           |
| 69   | S14147S | S14147S Brown-Sequard syndrome at C7 level of cervical spinal cord, sequela                     |
| 69   | S14148A | S14148A Brown-Sequard syndrome at C8 level of cervical spinal cord, initial encounter           |
| 69   | S14148S | S14148S Brown-Sequard syndrome at C8 level of cervical spinal cord, sequela                     |
| 69   | S14149A | S14149A Brown-Sequard syndrome at unspecified level of cervical spinal cord, initial encounter  |
| 69   | S14149S | S14149S Brown-Sequard syndrome at unspecified level of cervical spinal cord, sequela            |
| 69   | S14151A | S14151A Other incomplete lesion at C1 level of cervical spinal cord, initial encounter          |
| 69   | S14151S | S14151S Other incomplete lesion at C1 level of cervical spinal cord, sequela                    |
| 69   | S14152A | S14152A Other incomplete lesion at C2 level of cervical spinal cord, initial encounter          |
| 69   | S14152S | S14152S Other incomplete lesion at C2 level of cervical spinal cord, sequela                    |
| 69   | S14153A | S14153A Other incomplete lesion at C3 level of cervical spinal cord, initial encounter          |
| 69   | S14153S | S14153S Other incomplete lesion at C3 level of cervical spinal cord, sequela                    |
| 69   | S14154A | S14154A Other incomplete lesion at C4 level of cervical spinal cord, initial encounter          |
| 69   | S14154S | S14154S Other incomplete lesion at C4 level of cervical spinal cord, sequela                    |
| 69   | S14155A | S14155A Other incomplete lesion at C5 level of cervical spinal cord, initial encounter          |
| 69   | S14155S | S14155S Other incomplete lesion at C5 level of cervical spinal cord, sequela                    |
| 69   | S14156A | S14156A Other incomplete lesion at C6 level of cervical spinal cord, initial encounter          |
| 69   | S14156S | S14156S Other incomplete lesion at C6 level of cervical spinal cord, sequela                    |
| 69   | S14157A | S14157A Other incomplete lesion at C7 level of cervical spinal cord, initial encounter          |
| 69   | S14157S | S14157S Other incomplete lesion at C7 level of cervical spinal cord, sequela                    |
| 69   | S14158A | S14158A Other incomplete lesion at C8 level of cervical spinal cord, initial encounter          |
| 69   | S14158S | S14158S Other incomplete lesion at C8 level of cervical spinal cord, sequela                    |
| 69   | S14159A | S14159A Other incomplete lesion at unspecified level of cervical spinal cord, initial encounter |
| 69   | S14159S | S14159S Other incomplete lesion at unspecified level of cervical spinal cord, sequela           |
| 69   | S240XXA | S240XXA Concussion and edema of thoracic spinal cord, initial encounter                         |
| 69   | S240XXS | S240XXS Concussion and edema of thoracic spinal cord, sequela                                   |
| 69   | S24101A | S24101A Unspecified injury at T1 level of thoracic spinal cord, initial encounter               |
| 69   | S24101S | S24101S Unspecified injury at T1 level of thoracic spinal cord, sequela                         |
| 69   | S24102A | S24102A Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter            |
| 69   | S24102S | S24102S Unspecified injury at T2-T6 level of thoracic spinal cord, sequela                      |
| 69   | S24103A | S24103A Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter           |
| 69   | S24103S | S24103S Unspecified injury at T7-T10 level of thoracic spinal cord, sequela                     |
| 69   | S24104A | S24104A Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter          |
| 69   | S24104S | S24104S Unspecified injury at T11-T12 level of thoracic spinal cord, sequela                    |
| 69   | S24109A | S24109A Unspecified injury at unspecified level of thoracic spinal cord, initial encounter      |
| 69   | S24109S | S24109S Unspecified injury at unspecified level of thoracic spinal cord, sequela                |
| 69   | S24111S | S24111S Complete lesion at T1 level of thoracic spinal cord, sequela                            |
| 69   | S24112S | S24112S Complete lesion at T2-T6 level of thoracic spinal cord, sequela                         |
| 69   | S24113S | S24113S Complete lesion at T7-T10 level of thoracic spinal cord, sequela                        |
| 69   | S24114S | S24114S Complete lesion at T11-T12 level of thoracic spinal cord, sequela                       |
| 69   | S24119A | S24119A Complete lesion at unspecified level of thoracic spinal cord, initial encounter         |
| 69   | S24119S | S24119S Complete lesion at unspecified level of thoracic spinal cord, sequela                   |
| 69   | S24131A | S24131A Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter           |
| 69   | S24131S | S24131S Anterior cord syndrome at T1 level of thoracic spinal cord, sequela                     |
| 69   | S24132A | S24132A Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter        |
| 69   | S24132S | S24132S Anterior cord syndrome at T2-T6 level of thoracic spinal cord, sequela                  |
| 69   | S24133A | S24133A Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter       |
| 69   | S24133S | S24133S Anterior cord syndrome at T7-T10 level of thoracic spinal cord, sequela                 |
| 69   | S24134A | S24134A Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter      |
| 69   | S24134S | S24134S Anterior cord syndrome at T11-T12 level of thoracic spinal cord, sequela                |
| 69   | S24139A | S24139A Anterior cord syndrome at unspecified level of thoracic spinal cord, initial encounter  |
| 69   | S24139S | S24139S Anterior cord syndrome at unspecified level of thoracic spinal cord, sequela            |
| 69   | S24141A | S24141A Brown-Sequard syndrome at T1 level of thoracic spinal cord, initial encounter           |
| 69   | S24141S | S24141S Brown-Sequard syndrome at T1 level of thoracic spinal cord, sequela                     |
| 69   | S24142A | S24142A Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, initial encounter        |
| 69   | S24142S | S24142S Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, sequela                  |
| 69   | S24143A | S24143A Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, initial encounter       |
| 69   | S24143S | S24143S Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, sequela                 |
| 69   | S24144A | S24144A Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, initial encounter      |
| 69   | S24144S | S24144S Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, sequela                |
| 69   | S24149A | S24149A Brown-Sequard syndrome at unspecified level of thoracic spinal cord, initial encounter  |
| 69   | S24149S | S24149S Brown-Sequard syndrome at unspecified level of thoracic spinal cord, sequela            |
| 69   | S24151A | S24151A Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter          |
| 69   | S24151S | S24151S Other incomplete lesion at T1 level of thoracic spinal cord, sequela                    |
| 69   | S24152A | S24152A Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter       |
| 69   | S24152S | S24152S Other incomplete lesion at T2-T6 level of thoracic spinal cord, sequela                 |
| 69   | S24153A | S24153A Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter      |
| 69   | S24153S | S24153S Other incomplete lesion at T7-T10 level of thoracic spinal cord, sequela                |
| 69   | S24154A | S24154A Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter     |
| 69   | S24154S | S24154S Other incomplete lesion at T11-T12 level of thoracic spinal cord, sequela               |
| 69   | S24159A | S24159A Other incomplete lesion at unspecified level of thoracic spinal cord, initial encounter |
| 69   | S24159S | S24159S Other incomplete lesion at unspecified level of thoracic spinal cord, sequela           |
| 69   | S3401XA | S3401XA Concussion and edema of lumbar spinal cord, initial encounter                           |
| 69   | S3401XS | S3401XS Concussion and edema of lumbar spinal cord, sequela                                     |
| 69   | S3402XA | S3402XA Concussion and edema of sacral spinal cord, initial encounter                           |
| 69   | S3402XS | S3402XS Concussion and edema of sacral spinal cord, sequela                                     |
| 69   | S34101A | S34101A Unspecified injury to L1 level of lumbar spinal cord, initial encounter                 |
| 69   | S34101S | S34101S Unspecified injury to L1 level of lumbar spinal cord, sequela                           |
| 69   | S34102A | S34102A Unspecified injury to L2 level of lumbar spinal cord, initial encounter                 |
| 69   | S34102S | S34102S Unspecified injury to L2 level of lumbar spinal cord, sequela                           |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 69   | S34103A | S34103A Unspecified injury to L3 level of lumbar spinal cord, initial encounter   |
| 69   | S34103S | S34103S Unspecified injury to L3 level of lumbar spinal cord, sequela   |
| 69   | S34104A | S34104A Unspecified injury to L4 level of lumbar spinal cord, initial encounter   |
| 69   | S34104S | S34104S Unspecified injury to L4 level of lumbar spinal cord, sequela   |
| 69   | S34105A | S34105A Unspecified injury to L5 level of lumbar spinal cord, initial encounter   |
| 69   | S34105S | S34105S Unspecified injury to L5 level of lumbar spinal cord, sequela   |
| 69   | S34109A | S34109A Unspecified injury to unspecified level of lumbar spinal cord, initial encounter  |
| 69   | S34109S | S34109S Unspecified injury to unspecified level of lumbar spinal cord, sequela  |
| 69   | S34111A | S34111A Complete lesion of L1 level of lumbar spinal cord, initial encounter  |
| 69   | S34111S | S34111S Complete lesion of L1 level of lumbar spinal cord, sequela  |
| 69   | S34112A | S34112A Complete lesion of L2 level of lumbar spinal cord, initial encounter  |
| 69   | S34112S | S34112S Complete lesion of L2 level of lumbar spinal cord, sequela  |
| 69   | S34113A | S34113A Complete lesion of L3 level of lumbar spinal cord, initial encounter  |
| 69   | S34113S | S34113S Complete lesion of L3 level of lumbar spinal cord, sequela  |
| 69   | S34114A | S34114A Complete lesion of L4 level of lumbar spinal cord, initial encounter  |
| 69   | S34114S | S34114S Complete lesion of L4 level of lumbar spinal cord, sequela  |
| 69   | S34115A | S34115A Complete lesion of L5 level of lumbar spinal cord, initial encounter  |
| 69   | S34115S | S34115S Complete lesion of L5 level of lumbar spinal cord, sequela  |
| 69   | S34119A | S34119A Complete lesion of unspecified level of lumbar spinal cord, initial encounter   |
| 69   | S34119S | S34119S Complete lesion of unspecified level of lumbar spinal cord, sequela   |
| 69   | S34121A | S34121A Incomplete lesion of L1 level of lumbar spinal cord, initial encounter  |
| 69   | S34121S | S34121S Incomplete lesion of L1 level of lumbar spinal cord, sequela  |
| 69   | S34122A | S34122A Incomplete lesion of L2 level of lumbar spinal cord, initial encounter  |
| 69   | S34122S | S34122S Incomplete lesion of L2 level of lumbar spinal cord, sequela  |
| 69   | S34123A | S34123A Incomplete lesion of L3 level of lumbar spinal cord, initial encounter  |
| 69   | S34123S | S34123S Incomplete lesion of L3 level of lumbar spinal cord, sequela  |
| 69   | S34124A | S34124A Incomplete lesion of L4 level of lumbar spinal cord, initial encounter  |
| 69   | S34124S | S34124S Incomplete lesion of L4 level of lumbar spinal cord, sequela  |
| 69   | S34125A | S34125A Incomplete lesion of L5 level of lumbar spinal cord, initial encounter  |
| 69   | S34125S | S34125S Incomplete lesion of L5 level of lumbar spinal cord, sequela  |
| 69   | S34129A | S34129A Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter   |
| 69   | S34129S | S34129S Incomplete lesion of unspecified level of lumbar spinal cord, sequela   |
| 69   | S34131A | S34131A Complete lesion of sacral spinal cord, initial encounter  |
| 69   | S34131S | S34131S Complete lesion of sacral spinal cord, sequela  |
| 69   | S34132A | S34132A Incomplete lesion of sacral spinal cord, initial encounter  |
| 69   | S34132S | S34132S Incomplete lesion of sacral spinal cord, sequela  |
| 69   | S34139A | S34139A Unspecified injury to sacral spinal cord, initial encounter   |
| 69   | S34139S | S34139S Unspecified injury to sacral spinal cord, sequela   |
| 69   | S343XXA | S343XXA Injury of cauda equina, initial encounter   |
| 74   | G40001  | G40001 Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus    |
| 74   | G40009  | G40009 Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus |
| 74   | G40011  | G40011 Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus        |
| 74   | G40019  | G40019 Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus     |
| 74   | G40101  | G40101 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus       |
| 74   | G40109  | G40109 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus    |
| 74   | G40111  | G40111 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus           |
| 74   | G40119  | G40119 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus        |
| 74   | G40201  | G40201 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus      |
| 74   | G40209  | G40209 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus   |
| 74   | G40211  | G40211 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus          |
| 74   | G40219  | G40219 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus       |
| 74   | G40301  | G40301 Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus  |
| 74   | G40309  | G40309 Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus   |
| 74   | G40311  | G40311 Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus  |
| 74   | G40319  | G40319 Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus   |
| 74   | G40401  | G40401 Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus   |
| 74   | G40409  | G40409 Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus  |
| 74   | G40411  | G40411 Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus   |
| 74   | G40419  | G40419 Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus  |
| 74   | G40501  | G40501 Epileptic seizures related to external causes, not intractable, with status epilepticus  |
| 74   | G40509  | G40509 Epileptic seizures related to external causes, not intractable, without status epilepticus   |
| 74   | G40801  | G40801 Other epilepsy, not intractable, with status epilepticus   |
| 74   | G40802  | G40802 Other epilepsy, not intractable, without status epilepticus  |
| 74   | G40803  | G40803 Other epilepsy, intractable, with status epilepticus   |
| 74   | G40804  | G40804 Other epilepsy, intractable, without status epilepticus  |
| 74   | G40811  | G40811 Lennox-Gastaut syndrome, not intractable, with status epilepticus  |
| 74   | G40812  | G40812 Lennox-Gastaut syndrome, not intractable, without status epilepticus   |
| 74   | G40813  | G40813 Lennox-Gastaut syndrome, intractable, with status epilepticus  |
| 74   | G40814  | G40814 Lennox-Gastaut syndrome, intractable, without status epilepticus   |
| 74   | G40821  | G40821 Epileptic spasms, not intractable, with status epilepticus   |
| 74   | G40822  | G40822 Epileptic spasms, not intractable, without status epilepticus  |
| 74   | G40823  | G40823 Epileptic spasms, intractable, with status epilepticus   |
| 74   | G40824  | G40824 Epileptic spasms, intractable, without status epilepticus  |
| 74   | G4089   | G4089 Other seizures  |
| 74   | G40901  | G40901 Epilepsy, unspecified, not intractable, with status epilepticus  |
| 74   | G40909  | G40909 Epilepsy, unspecified, not intractable, without status epilepticus   |
| 74   | G40911  | G40911 Epilepsy, unspecified, intractable, with status epilepticus  |
| 74   | G40919  | G40919 Epilepsy, unspecified, intractable, without status epilepticus   |
| 74   | G40A01  | G40A01 Absence epileptic syndrome, not intractable, with status epilepticus   |
| 74   | G40A09  | G40A09 Absence epileptic syndrome, not intractable, without status epilepticus  |
| 74   | G40A11  | G40A11 Absence epileptic syndrome, intractable, with status epilepticus   |
| 74   | G40A19  | G40A19 Absence epileptic syndrome, intractable, without status epilepticus  |
| 74   | G40B01  | G40B01 Juvenile myoclonic epilepsy, not intractable, with status epilepticus  |
| 74   | G40B09  | G40B09 Juvenile myoclonic epilepsy, not intractable, without status epilepticus   |
| 74   | G40B11  | G40B11 Juvenile myoclonic epilepsy, intractable, with status epilepticus  |
| 74   | G40B19  | G40B19 Juvenile myoclonic epilepsy, intractable, without status epilepticus   |
| 74   | R5600   | R5600 Simple febrile convulsions  |
| 74   | R5601   | R5601 Complex febrile convulsions   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10  | ICD10CM_desc  |
|------|---------|--------|---|
| 74   | R569    | R569   | Unspecified convulsions   |
| 77   | J9500   | J9500  | Unspecified tracheostomy complication   |
| 77   | J9501   | J9501  | Hemorrhage from tracheostomy stoma  |
| 77   | J9502   | J9502  | Infection of tracheostomy stoma   |
| 77   | J9503   | J9503  | Malfunction of tracheostomy stoma   |
| 77   | J9504   | J9504  | Tracheo-esophageal fistula following tracheostomy   |
| 77   | J9509   | J9509  | Other tracheostomy complication   |
| 77   | J95850  | J95850 | Mechanical complication of respirator   |
| 77   | Z430    | Z430   | Encounter for attention to tracheostomy   |
| 77   | Z930    | Z930   | Tracheostomy status   |
| 77   | Z9911   | Z9911  | Dependence on respirator [ventilator] status  |
| 77   | Z9912   | Z9912  | Encounter for respirator [ventilator] dependence during power failure   |
| 79   | I462    | I462   | Cardiac arrest due to underlying cardiac condition  |
| 79   | I468    | I468   | Cardiac arrest due to other underlying condition  |
| 79   | I469    | I469   | Cardiac arrest, cause unspecified   |
| 79   | I4901   | I4901  | Ventricular fibrillation  |
| 79   | I4902   | I4902  | Ventricular flutter   |
| 79   | J80     | J80    | Acute respiratory distress syndrome   |
| 79   | J810    | J810   | Acute pulmonary edema   |
| 79   | J9600   | J9600  | Acute respiratory failure, unspecified whether with hypoxia or hypercapnia  |
| 79   | J9601   | J9601  | Acute respiratory failure with hypoxia  |
| 79   | J9602   | J9602  | Acute respiratory failure with hypercapnia  |
| 79   | J9610   | J9610  | Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia                                      |
| 79   | J9611   | J9611  | Chronic respiratory failure with hypoxia  |
| 79   | J9612   | J9612  | Chronic respiratory failure with hypercapnia  |
| 79   | J9620   | J9620  | Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia                            |
| 79   | J9621   | J9621  | Acute and chronic respiratory failure with hypoxia  |
| 79   | J9622   | J9622  | Acute and chronic respiratory failure with hypercapnia  |
| 79   | J9690   | J9690  | Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia                                 |
| 79   | J9691   | J9691  | Respiratory failure, unspecified with hypoxia   |
| 79   | J9692   | J9692  | Respiratory failure, unspecified with hypercapnia   |
| 79   | R0901   | R0901  | Asphyxia  |
| 79   | R0902   | R0902  | Hypoxemia   |
| 79   | R570    | R570   | Cardiogenic shock   |
| 79   | R579    | R579   | Shock, unspecified  |
| 79   | R99     | R99    | Ill-defined and unknown cause of mortality  |
| 100  | G802    | G802   | Spastic hemiplegic cerebral palsy   |
| 100  | G8100   | G8100  | Flaccid hemiplegia affecting unspecified side   |
| 100  | G8101   | G8101  | Flaccid hemiplegia affecting right dominant side  |
| 100  | G8102   | G8102  | Flaccid hemiplegia affecting left dominant side   |
| 100  | G8103   | G8103  | Flaccid hemiplegia affecting right nondominant side   |
| 100  | G8104   | G8104  | Flaccid hemiplegia affecting left nondominant side  |
| 100  | G8110   | G8110  | Spastic hemiplegia affecting unspecified side   |
| 100  | G8111   | G8111  | Spastic hemiplegia affecting right dominant side  |
| 100  | G8112   | G8112  | Spastic hemiplegia affecting left dominant side   |
| 100  | G8113   | G8113  | Spastic hemiplegia affecting right nondominant side   |
| 100  | G8114   | G8114  | Spastic hemiplegia affecting left nondominant side  |
| 100  | G8190   | G8190  | Hemiplegia, unspecified affecting unspecified side  |
| 100  | G8191   | G8191  | Hemiplegia, unspecified affecting right dominant side   |
| 100  | G8192   | G8192  | Hemiplegia, unspecified affecting left dominant side  |
| 100  | G8193   | G8193  | Hemiplegia, unspecified affecting right nondominant side  |
| 100  | G8194   | G8194  | Hemiplegia, unspecified affecting left nondominant side   |
| 100  | I69051  | I69051 | Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side           |
| 100  | I69052  | I69052 | Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side            |
| 100  | I69053  | I69053 | Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side       |
| 100  | I69054  | I69054 | Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side        |
| 100  | I69059  | I69059 | Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side              |
| 100  | I69151  | I69151 | Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side          |
| 100  | I69152  | I69152 | Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side           |
| 100  | I69153  | I69153 | Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side      |
| 100  | I69154  | I69154 | Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side       |
| 100  | I69159  | I69159 | Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side             |
| 100  | I69251  | I69251 | Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side     |
| 100  | I69252  | I69252 | Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side      |
| 100  | I69253  | I69253 | Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side |
| 100  | I69254  | I69254 | Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side  |
| 100  | I69259  | I69259 | Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side        |
| 100  | I69351  | I69351 | Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side                            |
| 100  | I69352  | I69352 | Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side                             |
| 100  | I69353  | I69353 | Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side                        |
| 100  | I69354  | I69354 | Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side                         |
| 100  | I69359  | I69359 | Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side                               |
| 100  | I69851  | I69851 | Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side                  |
| 100  | I69852  | I69852 | Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side                   |
| 100  | I69853  | I69853 | Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side              |
| 100  | I69854  | I69854 | Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side               |
| 100  | I69859  | I69859 | Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side                     |
| 100  | I69951  | I69951 | Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side            |
| 100  | I69952  | I69952 | Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side             |
| 100  | I69953  | I69953 | Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side        |
| 100  | I69954  | I69954 | Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side         |
| 100  | I69959  | I69959 | Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side               |
| 101  | G803    | G803   | Athetoid cerebral palsy   |
| 101  | G804    | G804   | Ataxic cerebral palsy   |
| 101  | G808    | G808   | Other cerebral palsy  |
| 101  | G809    | G809   | Cerebral palsy, unspecified   |
| 101  | G830    | G830   | Diplegia of upper limbs   |
| 101  | G8310   | G8310  | Monoplegia of lower limb affecting unspecified side   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 101  | G8311   | G8311 Monoplegia of lower limb affecting right dominant side   |
| 101  | G8312   | G8312 Monoplegia of lower limb affecting left dominant side  |
| 101  | G8313   | G8313 Monoplegia of lower limb affecting right nondominant side  |
| 101  | G8314   | G8314 Monoplegia of lower limb affecting left nondominant side   |
| 101  | G8320   | G8320 Monoplegia of upper limb affecting unspecified side  |
| 101  | G8321   | G8321 Monoplegia of upper limb affecting right dominant side   |
| 101  | G8322   | G8322 Monoplegia of upper limb affecting left dominant side  |
| 101  | G8323   | G8323 Monoplegia of upper limb affecting right nondominant side  |
| 101  | G8324   | G8324 Monoplegia of upper limb affecting left nondominant side   |
| 101  | G8330   | G8330 Monoplegia, unspecified affecting unspecified side   |
| 101  | G8331   | G8331 Monoplegia, unspecified affecting right dominant side  |
| 101  | G8332   | G8332 Monoplegia, unspecified affecting left dominant side   |
| 101  | G8333   | G8333 Monoplegia, unspecified affecting right nondominant side   |
| 101  | G8334   | G8334 Monoplegia, unspecified affecting left nondominant side  |
| 101  | G8381   | G8381 Brown-Sequard syndrome   |
| 101  | G8382   | G8382 Anterior cord syndrome   |
| 101  | G8383   | G8383 Posterior cord syndrome  |
| 101  | G8384   | G8384 Todd's paralysis (postepileptic)   |
| 101  | G8389   | G8389 Other specified paralytic syndromes  |
| 101  | G839    | G839 Paralytic syndrome, unspecified   |
| 101  | I69031  | I69031 Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right dominant side           |
| 101  | I69032  | I69032 Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left dominant side            |
| 101  | I69033  | I69033 Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side       |
| 101  | I69034  | I69034 Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side        |
| 101  | I69039  | I69039 Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting unspecified side              |
| 101  | I69041  | I69041 Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right dominant side           |
| 101  | I69042  | I69042 Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left dominant side            |
| 101  | I69043  | I69043 Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side       |
| 101  | I69044  | I69044 Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side        |
| 101  | I69049  | I69049 Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting unspecified side              |
| 101  | I69061  | I69061 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right dominant side           |
| 101  | I69062  | I69062 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left dominant side            |
| 101  | I69063  | I69063 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right non-dominant side       |
| 101  | I69064  | I69064 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left non-dominant side        |
| 101  | I69065  | I69065 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage, bilateral                              |
| 101  | I69069  | I69069 Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting unspecified side              |
| 101  | I69131  | I69131 Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right dominant side          |
| 101  | I69132  | I69132 Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left dominant side           |
| 101  | I69133  | I69133 Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side      |
| 101  | I69134  | I69134 Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side       |
| 101  | I69139  | I69139 Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting unspecified side             |
| 101  | I69141  | I69141 Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right dominant side          |
| 101  | I69142  | I69142 Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left dominant side           |
| 101  | I69143  | I69143 Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side      |
| 101  | I69144  | I69144 Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side       |
| 101  | I69149  | I69149 Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting unspecified side             |
| 101  | I69161  | I69161 Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right dominant side          |
| 101  | I69162  | I69162 Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left dominant side           |
| 101  | I69163  | I69163 Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right non-dominant side      |
| 101  | I69164  | I69164 Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left non-dominant side       |
| 101  | I69165  | I69165 Other paralytic syndrome following nontraumatic intracerebral hemorrhage, bilateral                             |
| 101  | I69169  | I69169 Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting unspecified side             |
| 101  | I69231  | I69231 Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting right dominant side     |
| 101  | I69232  | I69232 Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left dominant side      |
| 101  | I69233  | I69233 Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side |
| 101  | I69234  | I69234 Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side  |
| 101  | I69239  | I69239 Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting unspecified side        |
| 101  | I69241  | I69241 Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right dominant side     |
| 101  | I69242  | I69242 Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left dominant side      |
| 101  | I69243  | I69243 Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side |
| 101  | I69244  | I69244 Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side  |
| 101  | I69249  | I69249 Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting unspecified side        |
| 101  | I69261  | I69261 Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right dominant side     |
| 101  | I69262  | I69262 Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left dominant side      |
| 101  | I69263  | I69263 Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right non-dominant side |
| 101  | I69264  | I69264 Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left non-dominant side  |
| 101  | I69265  | I69265 Other paralytic syndrome following other nontraumatic intracranial hemorrhage, bilateral                        |
| 101  | I69269  | I69269 Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting unspecified side        |
| 101  | I69331  | I69331 Monoplegia of upper limb following cerebral infarction affecting right dominant side                            |
| 101  | I69332  | I69332 Monoplegia of upper limb following cerebral infarction affecting left dominant side                             |
| 101  | I69333  | I69333 Monoplegia of upper limb following cerebral infarction affecting right non-dominant side                        |
| 101  | I69334  | I69334 Monoplegia of upper limb following cerebral infarction affecting left non-dominant side                         |
| 101  | I69339  | I69339 Monoplegia of upper limb following cerebral infarction affecting unspecified side                               |
| 101  | I69341  | I69341 Monoplegia of lower limb following cerebral infarction affecting right dominant side                            |
| 101  | I69342  | I69342 Monoplegia of lower limb following cerebral infarction affecting left dominant side                             |
| 101  | I69343  | I69343 Monoplegia of lower limb following cerebral infarction affecting right non-dominant side                        |
| 101  | I69344  | I69344 Monoplegia of lower limb following cerebral infarction affecting left non-dominant side                         |
| 101  | I69349  | I69349 Monoplegia of lower limb following cerebral infarction affecting unspecified side                               |
| 101  | I69361  | I69361 Other paralytic syndrome following cerebral infarction affecting right dominant side                            |
| 101  | I69362  | I69362 Other paralytic syndrome following cerebral infarction affecting left dominant side                             |
| 101  | I69363  | I69363 Other paralytic syndrome following cerebral infarction affecting right non-dominant side                        |
| 101  | I69364  | I69364 Other paralytic syndrome following cerebral infarction affecting left non-dominant side                         |
| 101  | I69365  | I69365 Other paralytic syndrome following cerebral infarction, bilateral   |
| 101  | I69369  | I69369 Other paralytic syndrome following cerebral infarction affecting unspecified side                               |
| 101  | I69831  | I69831 Monoplegia of upper limb following other cerebrovascular disease affecting right dominant side                  |
| 101  | I69832  | I69832 Monoplegia of upper limb following other cerebrovascular disease affecting left dominant side                   |
| 101  | I69833  | I69833 Monoplegia of upper limb following other cerebrovascular disease affecting right non-dominant side              |
| 101  | I69834  | I69834 Monoplegia of upper limb following other cerebrovascular disease affecting left non-dominant side               |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 101  | I69839  | I69839 Monoplegia of upper limb following other cerebrovascular disease affecting unspecified side              |
| 101  | I69841  | I69841 Monoplegia of lower limb following other cerebrovascular disease affecting right dominant side           |
| 101  | I69842  | I69842 Monoplegia of lower limb following other cerebrovascular disease affecting left dominant side            |
| 101  | I69843  | I69843 Monoplegia of lower limb following other cerebrovascular disease affecting right non-dominant side       |
| 101  | I69844  | I69844 Monoplegia of lower limb following other cerebrovascular disease affecting left non-dominant side        |
| 101  | I69849  | I69849 Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side              |
| 101  | I69861  | I69861 Other paralytic syndrome following other cerebrovascular disease affecting right dominant side           |
| 101  | I69862  | I69862 Other paralytic syndrome following other cerebrovascular disease affecting left dominant side            |
| 101  | I69863  | I69863 Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side       |
| 101  | I69864  | I69864 Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side        |
| 101  | I69865  | I69865 Other paralytic syndrome following other cerebrovascular disease, bilateral                              |
| 101  | I69869  | I69869 Other paralytic syndrome following other cerebrovascular disease affecting unspecified side              |
| 101  | I69931  | I69931 Monoplegia of upper limb following unspecified cerebrovascular disease affecting right dominant side     |
| 101  | I69932  | I69932 Monoplegia of upper limb following unspecified cerebrovascular disease affecting left dominant side      |
| 101  | I69933  | I69933 Monoplegia of upper limb following unspecified cerebrovascular disease affecting right non-dominant side |
| 101  | I69934  | I69934 Monoplegia of upper limb following unspecified cerebrovascular disease affecting left non-dominant side  |
| 101  | I69939  | I69939 Monoplegia of upper limb following unspecified cerebrovascular disease affecting unspecified side        |
| 101  | I69941  | I69941 Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side     |
| 101  | I69942  | I69942 Monoplegia of lower limb following unspecified cerebrovascular disease affecting left dominant side      |
| 101  | I69943  | I69943 Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side |
| 101  | I69944  | I69944 Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side  |
| 101  | I69949  | I69949 Monoplegia of lower limb following unspecified cerebrovascular disease affecting unspecified side        |
| 101  | I69961  | I69961 Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side     |
| 101  | I69962  | I69962 Other paralytic syndrome following unspecified cerebrovascular disease affecting left dominant side      |
| 101  | I69963  | I69963 Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side |
| 101  | I69964  | I69964 Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side  |
| 101  | I69965  | I69965 Other paralytic syndrome following unspecified cerebrovascular disease, bilateral                        |
| 101  | I69969  | I69969 Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side        |
| 108  | J410    | J410 Simple chronic bronchitis  |
| 108  | J411    | J411 Mucopurulent chronic bronchitis  |
| 108  | J418    | J418 Mixed simple and mucopurulent chronic bronchitis   |
| 108  | J42     | J42 Unspecified chronic bronchitis  |
| 108  | J430    | J430 Unilateral pulmonary emphysema [MacLeod's syndrome]  |
| 108  | J431    | J431 Panlobular emphysema   |
| 108  | J432    | J432 Centrilobular emphysema  |
| 108  | J438    | J438 Other emphysema  |
| 108  | J439    | J439 Emphysema, unspecified   |
| 108  | J440    | J440 Chronic obstructive pulmonary disease with acute lower respiratory infection                               |
| 108  | J441    | J441 Chronic obstructive pulmonary disease with (acute) exacerbation  |
| 108  | J449    | J449 Chronic obstructive pulmonary disease, unspecified   |
| 108  | J982    | J982 Interstitial emphysema   |
| 108  | J983    | J983 Compensatory emphysema   |
| 109  | B4481   | B4481 Allergic bronchopulmonary aspergillosis   |
| 109  | D860    | D860 Sarcoidosis of lung  |
| 109  | D861    | D861 Sarcoidosis of lymph nodes   |
| 109  | D862    | D862 Sarcoidosis of lung with sarcoidosis of lymph nodes  |
| 109  | D863    | D863 Sarcoidosis of skin  |
| 109  | D8681   | D8681 Sarcoid meningitis  |
| 109  | D8682   | D8682 Multiple cranial nerve palsies in sarcoidosis   |
| 109  | D8683   | D8683 Sarcoid iridocyclitis   |
| 109  | D8684   | D8684 Sarcoid pyelonephritis  |
| 109  | D8685   | D8685 Sarcoid myocarditis   |
| 109  | D8686   | D8686 Sarcoid arthropathy   |
| 109  | D8687   | D8687 Sarcoid myositis  |
| 109  | D8689   | D8689 Sarcoidosis of other sites  |
| 109  | D869    | D869 Sarcoidosis, unspecified   |
| 109  | J470    | J470 Bronchiectasis with acute lower respiratory infection  |
| 109  | J471    | J471 Bronchiectasis with (acute) exacerbation   |
| 109  | J479    | J479 Bronchiectasis, uncomplicated  |
| 109  | J60     | J60 Coalworker's pneumoconiosis   |
| 109  | J61     | J61 Pneumoconiosis due to asbestos and other mineral fibers   |
| 109  | J620    | J620 Pneumoconiosis due to talc dust  |
| 109  | J628    | J628 Pneumoconiosis due to other dust containing silica   |
| 109  | J630    | J630 Aluminosis (of lung)   |
| 109  | J631    | J631 Bauxite fibrosis (of lung)   |
| 109  | J632    | J632 Berylliosis  |
| 109  | J633    | J633 Graphite fibrosis (of lung)  |
| 109  | J634    | J634 Siderosis  |
| 109  | J635    | J635 Stannosis  |
| 109  | J636    | J636 Pneumoconiosis due to other specified inorganic dusts  |
| 109  | J64     | J64 Unspecified pneumoconiosis  |
| 109  | J65     | J65 Pneumoconiosis associated with tuberculosis   |
| 109  | J660    | J660 Byssinosis   |
| 109  | J661    | J661 Flax-dressers' disease   |
| 109  | J662    | J662 Cannabinosis   |
| 109  | J668    | J668 Airway disease due to other specific organic dusts   |
| 109  | J670    | J670 Farmer's lung  |
| 109  | J671    | J671 Bagassosis   |
| 109  | J672    | J672 Bird fancier's lung  |
| 109  | J673    | J673 Suberosis  |
| 109  | J674    | J674 Maltworker's lung  |
| 109  | J675    | J675 Mushroom-worker's lung   |
| 109  | J676    | J676 Maple-bark-stripper's lung   |
| 109  | J677    | J677 Air conditioner and humidifier lung  |
| 109  | J678    | J678 Hypersensitivity pneumonitis due to other organic dusts  |
| 109  | J679    | J679 Hypersensitivity pneumonitis due to unspecified organic dust   |
| 109  | J680    | J680 Bronchitis and pneumonitis due to chemicals, gases, fumes and vapors                                       |
| 109  | J681    | J681 Pulmonary edema due to chemicals, gases, fumes and vapors  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 109  | J682    | J682 Upper respiratory inflammation due to chemicals, gases, fumes and vapors, not elsewhere classified          |
| 109  | J683    | J683 Other acute and subacute respiratory conditions due to chemicals, gases, fumes and vapors                   |
| 109  | J684    | J684 Chronic respiratory conditions due to chemicals, gases, fumes and vapors                                    |
| 109  | J688    | J688 Other respiratory conditions due to chemicals, gases, fumes and vapors                                      |
| 109  | J689    | J689 Unspecified respiratory condition due to chemicals, gases, fumes and vapors                                 |
| 109  | J700    | J700 Acute pulmonary manifestations due to radiation   |
| 109  | J701    | J701 Chronic and other pulmonary manifestations due to radiation   |
| 109  | J702    | J702 Acute drug-induced interstitial lung disorders  |
| 109  | J703    | J703 Chronic drug-induced interstitial lung disorders  |
| 109  | J704    | J704 Drug-induced interstitial lung disorders, unspecified   |
| 109  | J708    | J708 Respiratory conditions due to other specified external agents   |
| 109  | J709    | J709 Respiratory conditions due to unspecified external agent  |
| 109  | J82     | J82 Pulmonary eosinophilia, not elsewhere classified   |
| 109  | J8401   | J8401 Alveolar proteinosis   |
| 109  | J8402   | J8402 Pulmonary alveolar microlithiasis  |
| 109  | J8403   | J8403 Idiopathic pulmonary hemosiderosis   |
| 109  | J8409   | J8409 Other alveolar and parieto-alveolar conditions   |
| 109  | J8410   | J8410 Pulmonary fibrosis, unspecified  |
| 109  | J8417   | J8417 Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere                       |
| 109  | J8489   | J8489 Other specified interstitial pulmonary diseases  |
| 109  | J849    | J849 Interstitial pulmonary disease, unspecified   |
| 109  | J99     | J99 Respiratory disorders in diseases classified elsewhere   |
| 109  | M3213   | M3213 Lung involvement in systemic lupus erythematosus   |
| 109  | M3301   | M3301 Juvenile dermatomyositis with respiratory involvement  |
| 109  | M3311   | M3311 Other dermatomyositis with respiratory involvement   |
| 109  | M3321   | M3321 Polymyositis with respiratory involvement  |
| 109  | M3391   | M3391 Dermatomyositis, unspecified with respiratory involvement  |
| 109  | M3481   | M3481 Systemic sclerosis with lung involvement   |
| 109  | M3502   | M3502 Sicca syndrome with lung involvement   |
| 111  | A481    | A481 Legionnaires' disease   |
| 111  | J150    | J150 Pneumonia due to Klebsiella pneumoniae  |
| 111  | J151    | J151 Pneumonia due to Pseudomonas  |
| 111  | J1520   | J1520 Pneumonia due to staphylococcus, unspecified   |
| 111  | J15211  | J15211 Pneumonia due to Methicillin susceptible Staphylococcus aureus  |
| 111  | J1529   | J1529 Pneumonia due to other staphylococcus  |
| 111  | J155    | J155 Pneumonia due to Escherichia coli   |
| 111  | J156    | J156 Pneumonia due to other aerobic Gram-negative bacteria   |
| 111  | J158    | J158 Pneumonia due to other specified bacteria   |
| 111  | J690    | J690 Pneumonitis due to inhalation of food and vomit   |
| 111  | J691    | J691 Pneumonitis due to inhalation of oils and essences  |
| 111  | J698    | J698 Pneumonitis due to inhalation of other solids and liquids   |
| 112  | A0222   | A0222 Salmonella pneumonia   |
| 112  | A065    | A065 Amebic lung abscess   |
| 112  | A202    | A202 Pneumonic plague  |
| 112  | A212    | A212 Pulmonary tularemia   |
| 112  | A221    | A221 Pulmonary anthrax   |
| 112  | A420    | A420 Pulmonary actinomycosis   |
| 112  | A430    | A430 Pulmonary nocardiosis   |
| 112  | B380    | B380 Acute pulmonary coccidioidomycosis  |
| 112  | B381    | B381 Chronic pulmonary coccidioidomycosis  |
| 112  | B382    | B382 Pulmonary coccidioidomycosis, unspecified   |
| 112  | B390    | B390 Acute pulmonary histoplasmosis capsulati  |
| 112  | B391    | B391 Chronic pulmonary histoplasmosis capsulati  |
| 112  | B392    | B392 Pulmonary histoplasmosis capsulati, unspecified   |
| 112  | B440    | B440 Invasive pulmonary aspergillosis  |
| 112  | B583    | B583 Pulmonary toxoplasmosis   |
| 112  | B664    | B664 Paragonimiasis  |
| 112  | B671    | B671 Echinococcus granulosus infection of lung   |
| 112  | J13     | J13 Pneumonia due to Streptococcus pneumoniae  |
| 112  | J14     | J14 Pneumonia due to Hemophilus influenzae   |
| 112  | J153    | J153 Pneumonia due to streptococcus, group B   |
| 112  | J154    | J154 Pneumonia due to other streptococci   |
| 112  | J17     | J17 Pneumonia in diseases classified elsewhere   |
| 112  | J181    | J181 Lobar pneumonia, unspecified organism   |
| 112  | J850    | J850 Gangrene and necrosis of lung   |
| 112  | J851    | J851 Abscess of lung with pneumonia  |
| 112  | J852    | J852 Abscess of lung without pneumonia   |
| 112  | J853    | J853 Abscess of mediastinum  |
| 112  | J860    | J860 Pyothorax with fistula  |
| 112  | J869    | J869 Pyothorax without fistula   |
| 113  | A221    | A221 Pulmonary anthrax   |
| 113  | A3701   | A3701 Whooping cough due to Bordetella pertussis with pneumonia  |
| 113  | A3711   | A3711 Whooping cough due to Bordetella parapertussis with pneumonia  |
| 113  | A3781   | A3781 Whooping cough due to other Bordetella species with pneumonia  |
| 113  | A3791   | A3791 Whooping cough, unspecified species with pneumonia   |
| 113  | B012    | B012 Varicella pneumonia   |
| 113  | B052    | B052 Measles complicated by pneumonia  |
| 113  | B334    | B334 Hantavirus (cardio)-pulmonary syndrome [HPS] [HCPS]   |
| 113  | B7781   | B7781 Ascariasis pneumonia   |
| 113  | B9721   | B9721 SARS-associated coronavirus as the cause of diseases classified elsewhere                                  |
| 113  | J1000   | J1000 Influenza due to other identified influenza virus with unspecified type of pneumonia                       |
| 113  | J1001   | J1001 Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia |
| 113  | J1008   | J1008 Influenza due to other identified influenza virus with other specified pneumonia                           |
| 113  | J1100   | J1100 Influenza due to unidentified influenza virus with unspecified type of pneumonia                           |
| 113  | J1108   | J1108 Influenza due to unidentified influenza virus with specified pneumonia                                     |
| 113  | J120    | J120 Adenoviral pneumonia  |
| 113  | J121    | J121 Respiratory syncytial virus pneumonia   |
| 113  | J122    | J122 Parainfluenza virus pneumonia   |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 113         | J123           | J123 Human metapneumovirus pneumonia                                 |
| 113         | J1281          | J1281 Pneumonia due to SARS-associated coronavirus                   |
| 113         | J1289          | J1289 Other viral pneumonia  |
| 113         | J129           | J129 Viral pneumonia, unspecified                                    |
| 113         | J157           | J157 Pneumonia due to Mycoplasma pneumoniae                          |
| 113         | J159           | J159 Unspecified bacterial pneumonia                                 |
| 113         | J160           | J160 Chlamydial pneumonia  |
| 113         | J168           | J168 Pneumonia due to other specified infectious organisms           |
| 113         | J17            | J17 Pneumonia in diseases classified elsewhere                       |
| 113         | J180           | J180 Bronchopneumonia, unspecified organism                          |
| 113         | J182           | J182 Hypostatic pneumonia, unspecified organism                      |
| 113         | J188           | J188 Other pneumonia, unspecified organism                           |
| 113         | J189           | J189 Pneumonia, unspecified organism                                 |
| 113         | J811           | J811 Chronic pulmonary edema   |
| 113         | J869           | J869 Pyothorax without fistula                                       |
| 113         | J920           | J920 Pleural plaque with presence of asbestos                        |
| 113         | J929           | J929 Pleural plaque without asbestos                                 |
| 113         | J941           | J941 Fibrothorax   |
| 113         | J948           | J948 Other specified pleural conditions                              |
| 113         | J949           | J949 Pleural condition, unspecified                                  |
| 113         | R091           | R091 Pleurisy  |
| 148         | L89000         | L89000 Pressure ulcer of unspecified elbow, unstageable              |
| 148         | L89001         | L89001 Pressure ulcer of unspecified elbow, stage 1                  |
| 148         | L89002         | L89002 Pressure ulcer of unspecified elbow, stage 2                  |
| 148         | L89003         | L89003 Pressure ulcer of unspecified elbow, stage 3                  |
| 148         | L89004         | L89004 Pressure ulcer of unspecified elbow, stage 4                  |
| 148         | L89009         | L89009 Pressure ulcer of unspecified elbow, unspecified stage        |
| 148         | L89010         | L89010 Pressure ulcer of right elbow, unstageable                    |
| 148         | L89011         | L89011 Pressure ulcer of right elbow, stage 1                        |
| 148         | L89012         | L89012 Pressure ulcer of right elbow, stage 2                        |
| 148         | L89013         | L89013 Pressure ulcer of right elbow, stage 3                        |
| 148         | L89014         | L89014 Pressure ulcer of right elbow, stage 4                        |
| 148         | L89019         | L89019 Pressure ulcer of right elbow, unspecified stage              |
| 148         | L89020         | L89020 Pressure ulcer of left elbow, unstageable                     |
| 148         | L89021         | L89021 Pressure ulcer of left elbow, stage 1                         |
| 148         | L89022         | L89022 Pressure ulcer of left elbow, stage 2                         |
| 148         | L89023         | L89023 Pressure ulcer of left elbow, stage 3                         |
| 148         | L89024         | L89024 Pressure ulcer of left elbow, stage 4                         |
| 148         | L89029         | L89029 Pressure ulcer of left elbow, unspecified stage               |
| 148         | L89100         | L89100 Pressure ulcer of unspecified part of back, unstageable       |
| 148         | L89101         | L89101 Pressure ulcer of unspecified part of back, stage 1           |
| 148         | L89102         | L89102 Pressure ulcer of unspecified part of back, stage 2           |
| 148         | L89103         | L89103 Pressure ulcer of unspecified part of back, stage 3           |
| 148         | L89104         | L89104 Pressure ulcer of unspecified part of back, stage 4           |
| 148         | L89109         | L89109 Pressure ulcer of unspecified part of back, unspecified stage |
| 148         | L89110         | L89110 Pressure ulcer of right upper back, unstageable               |
| 148         | L89111         | L89111 Pressure ulcer of right upper back, stage 1                   |
| 148         | L89112         | L89112 Pressure ulcer of right upper back, stage 2                   |
| 148         | L89113         | L89113 Pressure ulcer of right upper back, stage 3                   |
| 148         | L89114         | L89114 Pressure ulcer of right upper back, stage 4                   |
| 148         | L89119         | L89119 Pressure ulcer of right upper back, unspecified stage         |
| 148         | L89120         | L89120 Pressure ulcer of left upper back, unstageable                |
| 148         | L89121         | L89121 Pressure ulcer of left upper back, stage 1                    |
| 148         | L89122         | L89122 Pressure ulcer of left upper back, stage 2                    |
| 148         | L89123         | L89123 Pressure ulcer of left upper back, stage 3                    |
| 148         | L89124         | L89124 Pressure ulcer of left upper back, stage 4                    |
| 148         | L89129         | L89129 Pressure ulcer of left upper back, unspecified stage          |
| 148         | L89130         | L89130 Pressure ulcer of right lower back, unstageable               |
| 148         | L89131         | L89131 Pressure ulcer of right lower back, stage 1                   |
| 148         | L89132         | L89132 Pressure ulcer of right lower back, stage 2                   |
| 148         | L89133         | L89133 Pressure ulcer of right lower back, stage 3                   |
| 148         | L89134         | L89134 Pressure ulcer of right lower back, stage 4                   |
| 148         | L89139         | L89139 Pressure ulcer of right lower back, unspecified stage         |
| 148         | L89140         | L89140 Pressure ulcer of left lower back, unstageable                |
| 148         | L89141         | L89141 Pressure ulcer of left lower back, stage 1                    |
| 148         | L89142         | L89142 Pressure ulcer of left lower back, stage 2                    |
| 148         | L89143         | L89143 Pressure ulcer of left lower back, stage 3                    |
| 148         | L89144         | L89144 Pressure ulcer of left lower back, stage 4                    |
| 148         | L89149         | L89149 Pressure ulcer of left lower back, unspecified stage          |
| 148         | L89150         | L89150 Pressure ulcer of sacral region, unstageable                  |
| 148         | L89151         | L89151 Pressure ulcer of sacral region, stage 1                      |
| 148         | L89152         | L89152 Pressure ulcer of sacral region, stage 2                      |
| 148         | L89153         | L89153 Pressure ulcer of sacral region, stage 3                      |
| 148         | L89154         | L89154 Pressure ulcer of sacral region, stage 4                      |
| 148         | L89159         | L89159 Pressure ulcer of sacral region, unspecified stage            |
| 148         | L89200         | L89200 Pressure ulcer of unspecified hip, unstageable                |
| 148         | L89201         | L89201 Pressure ulcer of unspecified hip, stage 1                    |
| 148         | L89202         | L89202 Pressure ulcer of unspecified hip, stage 2                    |
| 148         | L89203         | L89203 Pressure ulcer of unspecified hip, stage 3                    |
| 148         | L89204         | L89204 Pressure ulcer of unspecified hip, stage 4                    |
| 148         | L89209         | L89209 Pressure ulcer of unspecified hip, unspecified stage          |
| 148         | L89210         | L89210 Pressure ulcer of right hip, unstageable                      |
| 148         | L89211         | L89211 Pressure ulcer of right hip, stage 1                          |
| 148         | L89212         | L89212 Pressure ulcer of right hip, stage 2                          |
| 148         | L89213         | L89213 Pressure ulcer of right hip, stage 3                          |
| 148         | L89214         | L89214 Pressure ulcer of right hip, stage 4                          |
| 148         | L89219         | L89219 Pressure ulcer of right hip, unspecified stage                |
| 148         | L89220         | L89220 Pressure ulcer of left hip, unstageable                       |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 148  | L89221  | L89221 Pressure ulcer of left hip, stage 1   |
| 148  | L89222  | L89222 Pressure ulcer of left hip, stage 2   |
| 148  | L89223  | L89223 Pressure ulcer of left hip, stage 3   |
| 148  | L89224  | L89224 Pressure ulcer of left hip, stage 4   |
| 148  | L89229  | L89229 Pressure ulcer of left hip, unspecified stage   |
| 148  | L89300  | L89300 Pressure ulcer of unspecified buttock, unstageable                                    |
| 148  | L89301  | L89301 Pressure ulcer of unspecified buttock, stage 1  |
| 148  | L89302  | L89302 Pressure ulcer of unspecified buttock, stage 2  |
| 148  | L89303  | L89303 Pressure ulcer of unspecified buttock, stage 3  |
| 148  | L89304  | L89304 Pressure ulcer of unspecified buttock, stage 4  |
| 148  | L89309  | L89309 Pressure ulcer of unspecified buttock, unspecified stage                              |
| 148  | L89310  | L89310 Pressure ulcer of right buttock, unstageable  |
| 148  | L89311  | L89311 Pressure ulcer of right buttock, stage 1  |
| 148  | L89312  | L89312 Pressure ulcer of right buttock, stage 2  |
| 148  | L89313  | L89313 Pressure ulcer of right buttock, stage 3  |
| 148  | L89314  | L89314 Pressure ulcer of right buttock, stage 4  |
| 148  | L89319  | L89319 Pressure ulcer of right buttock, unspecified stage                                    |
| 148  | L89320  | L89320 Pressure ulcer of left buttock, unstageable   |
| 148  | L89321  | L89321 Pressure ulcer of left buttock, stage 1   |
| 148  | L89322  | L89322 Pressure ulcer of left buttock, stage 2   |
| 148  | L89323  | L89323 Pressure ulcer of left buttock, stage 3   |
| 148  | L89324  | L89324 Pressure ulcer of left buttock, stage 4   |
| 148  | L89329  | L89329 Pressure ulcer of left buttock, unspecified stage                                     |
| 148  | L8940   | L8940 Pressure ulcer of contiguous site of back, buttock and hip, unspecified stage          |
| 148  | L8941   | L8941 Pressure ulcer of contiguous site of back, buttock and hip, stage 1                    |
| 148  | L8942   | L8942 Pressure ulcer of contiguous site of back, buttock and hip, stage 2                    |
| 148  | L8943   | L8943 Pressure ulcer of contiguous site of back, buttock and hip, stage 3                    |
| 148  | L8944   | L8944 Pressure ulcer of contiguous site of back, buttock and hip, stage 4                    |
| 148  | L8945   | L8945 Pressure ulcer of contiguous site of back, buttock and hip, unstageable                |
| 148  | L89500  | L89500 Pressure ulcer of unspecified ankle, unstageable                                      |
| 148  | L89501  | L89501 Pressure ulcer of unspecified ankle, stage 1  |
| 148  | L89502  | L89502 Pressure ulcer of unspecified ankle, stage 2  |
| 148  | L89503  | L89503 Pressure ulcer of unspecified ankle, stage 3  |
| 148  | L89504  | L89504 Pressure ulcer of unspecified ankle, stage 4  |
| 148  | L89509  | L89509 Pressure ulcer of unspecified ankle, unspecified stage                                |
| 148  | L89510  | L89510 Pressure ulcer of right ankle, unstageable  |
| 148  | L89511  | L89511 Pressure ulcer of right ankle, stage 1  |
| 148  | L89512  | L89512 Pressure ulcer of right ankle, stage 2  |
| 148  | L89513  | L89513 Pressure ulcer of right ankle, stage 3  |
| 148  | L89514  | L89514 Pressure ulcer of right ankle, stage 4  |
| 148  | L89519  | L89519 Pressure ulcer of right ankle, unspecified stage                                      |
| 148  | L89520  | L89520 Pressure ulcer of left ankle, unstageable   |
| 148  | L89521  | L89521 Pressure ulcer of left ankle, stage 1   |
| 148  | L89522  | L89522 Pressure ulcer of left ankle, stage 2   |
| 148  | L89523  | L89523 Pressure ulcer of left ankle, stage 3   |
| 148  | L89524  | L89524 Pressure ulcer of left ankle, stage 4   |
| 148  | L89529  | L89529 Pressure ulcer of left ankle, unspecified stage                                       |
| 148  | L89600  | L89600 Pressure ulcer of unspecified heel, unstageable                                       |
| 148  | L89601  | L89601 Pressure ulcer of unspecified heel, stage 1   |
| 148  | L89602  | L89602 Pressure ulcer of unspecified heel, stage 2   |
| 148  | L89603  | L89603 Pressure ulcer of unspecified heel, stage 3   |
| 148  | L89604  | L89604 Pressure ulcer of unspecified heel, stage 4   |
| 148  | L89609  | L89609 Pressure ulcer of unspecified heel, unspecified stage                                 |
| 148  | L89610  | L89610 Pressure ulcer of right heel, unstageable   |
| 148  | L89611  | L89611 Pressure ulcer of right heel, stage 1   |
| 148  | L89612  | L89612 Pressure ulcer of right heel, stage 2   |
| 148  | L89613  | L89613 Pressure ulcer of right heel, stage 3   |
| 148  | L89614  | L89614 Pressure ulcer of right heel, stage 4   |
| 148  | L89619  | L89619 Pressure ulcer of right heel, unspecified stage                                       |
| 148  | L89620  | L89620 Pressure ulcer of left heel, unstageable  |
| 148  | L89621  | L89621 Pressure ulcer of left heel, stage 1  |
| 148  | L89622  | L89622 Pressure ulcer of left heel, stage 2  |
| 148  | L89623  | L89623 Pressure ulcer of left heel, stage 3  |
| 148  | L89624  | L89624 Pressure ulcer of left heel, stage 4  |
| 148  | L89629  | L89629 Pressure ulcer of left heel, unspecified stage  |
| 148  | L89810  | L89810 Pressure ulcer of head, unstageable   |
| 148  | L89811  | L89811 Pressure ulcer of head, stage 1   |
| 148  | L89812  | L89812 Pressure ulcer of head, stage 2   |
| 148  | L89813  | L89813 Pressure ulcer of head, stage 3   |
| 148  | L89814  | L89814 Pressure ulcer of head, stage 4   |
| 148  | L89819  | L89819 Pressure ulcer of head, unspecified stage   |
| 148  | L89890  | L89890 Pressure ulcer of other site, unstageable   |
| 148  | L89891  | L89891 Pressure ulcer of other site, stage 1   |
| 148  | L89892  | L89892 Pressure ulcer of other site, stage 2   |
| 148  | L89893  | L89893 Pressure ulcer of other site, stage 3   |
| 148  | L89894  | L89894 Pressure ulcer of other site, stage 4   |
| 148  | L89899  | L89899 Pressure ulcer of other site, unspecified stage                                       |
| 148  | L8990   | L8990 Pressure ulcer of unspecified site, unspecified stage                                  |
| 148  | L8991   | L8991 Pressure ulcer of unspecified site, stage 1  |
| 148  | L8992   | L8992 Pressure ulcer of unspecified site, stage 2  |
| 148  | L8993   | L8993 Pressure ulcer of unspecified site, stage 3  |
| 148  | L8994   | L8994 Pressure ulcer of unspecified site, stage 4  |
| 148  | L8995   | L8995 Pressure ulcer of unspecified site, unstageable  |
| 149  | I70231  | I70231 Atherosclerosis of native arteries of right leg with ulceration of thigh              |
| 149  | I70232  | I70232 Atherosclerosis of native arteries of right leg with ulceration of calf               |
| 149  | I70233  | I70233 Atherosclerosis of native arteries of right leg with ulceration of ankle              |
| 149  | I70234  | I70234 Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot   |
| 149  | I70235  | I70235 Atherosclerosis of native arteries of right leg with ulceration of other part of foot |





**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 149  | L97104  | L97104 Non-pressure chronic ulcer of unspecified thigh with necrosis of bone                                |
| 149  | L97109  | L97109 Non-pressure chronic ulcer of unspecified thigh with unspecified severity                            |
| 149  | L97111  | L97111 Non-pressure chronic ulcer of right thigh limited to breakdown of skin                               |
| 149  | L97112  | L97112 Non-pressure chronic ulcer of right thigh with fat layer exposed                                     |
| 149  | L97113  | L97113 Non-pressure chronic ulcer of right thigh with necrosis of muscle                                    |
| 149  | L97114  | L97114 Non-pressure chronic ulcer of right thigh with necrosis of bone                                      |
| 149  | L97119  | L97119 Non-pressure chronic ulcer of right thigh with unspecified severity                                  |
| 149  | L97121  | L97121 Non-pressure chronic ulcer of left thigh limited to breakdown of skin                                |
| 149  | L97122  | L97122 Non-pressure chronic ulcer of left thigh with fat layer exposed                                      |
| 149  | L97123  | L97123 Non-pressure chronic ulcer of left thigh with necrosis of muscle                                     |
| 149  | L97124  | L97124 Non-pressure chronic ulcer of left thigh with necrosis of bone                                       |
| 149  | L97129  | L97129 Non-pressure chronic ulcer of left thigh with unspecified severity                                   |
| 149  | L97201  | L97201 Non-pressure chronic ulcer of unspecified calf limited to breakdown of skin                          |
| 149  | L97202  | L97202 Non-pressure chronic ulcer of unspecified calf with fat layer exposed                                |
| 149  | L97203  | L97203 Non-pressure chronic ulcer of unspecified calf with necrosis of muscle                               |
| 149  | L97204  | L97204 Non-pressure chronic ulcer of unspecified calf with necrosis of bone                                 |
| 149  | L97209  | L97209 Non-pressure chronic ulcer of unspecified calf with unspecified severity                             |
| 149  | L97211  | L97211 Non-pressure chronic ulcer of right calf limited to breakdown of skin                                |
| 149  | L97212  | L97212 Non-pressure chronic ulcer of right calf with fat layer exposed                                      |
| 149  | L97213  | L97213 Non-pressure chronic ulcer of right calf with necrosis of muscle                                     |
| 149  | L97214  | L97214 Non-pressure chronic ulcer of right calf with necrosis of bone                                       |
| 149  | L97219  | L97219 Non-pressure chronic ulcer of right calf with unspecified severity                                   |
| 149  | L97221  | L97221 Non-pressure chronic ulcer of left calf limited to breakdown of skin                                 |
| 149  | L97222  | L97222 Non-pressure chronic ulcer of left calf with fat layer exposed                                       |
| 149  | L97223  | L97223 Non-pressure chronic ulcer of left calf with necrosis of muscle                                      |
| 149  | L97224  | L97224 Non-pressure chronic ulcer of left calf with necrosis of bone  |
| 149  | L97229  | L97229 Non-pressure chronic ulcer of left calf with unspecified severity                                    |
| 149  | L97301  | L97301 Non-pressure chronic ulcer of unspecified ankle limited to breakdown of skin                         |
| 149  | L97302  | L97302 Non-pressure chronic ulcer of unspecified ankle with fat layer exposed                               |
| 149  | L97303  | L97303 Non-pressure chronic ulcer of unspecified ankle with necrosis of muscle                              |
| 149  | L97304  | L97304 Non-pressure chronic ulcer of unspecified ankle with necrosis of bone                                |
| 149  | L97309  | L97309 Non-pressure chronic ulcer of unspecified ankle with unspecified severity                            |
| 149  | L97311  | L97311 Non-pressure chronic ulcer of right ankle limited to breakdown of skin                               |
| 149  | L97312  | L97312 Non-pressure chronic ulcer of right ankle with fat layer exposed                                     |
| 149  | L97313  | L97313 Non-pressure chronic ulcer of right ankle with necrosis of muscle                                    |
| 149  | L97314  | L97314 Non-pressure chronic ulcer of right ankle with necrosis of bone                                      |
| 149  | L97319  | L97319 Non-pressure chronic ulcer of right ankle with unspecified severity                                  |
| 149  | L97321  | L97321 Non-pressure chronic ulcer of left ankle limited to breakdown of skin                                |
| 149  | L97322  | L97322 Non-pressure chronic ulcer of left ankle with fat layer exposed                                      |
| 149  | L97323  | L97323 Non-pressure chronic ulcer of left ankle with necrosis of muscle                                     |
| 149  | L97324  | L97324 Non-pressure chronic ulcer of left ankle with necrosis of bone                                       |
| 149  | L97329  | L97329 Non-pressure chronic ulcer of left ankle with unspecified severity                                   |
| 149  | L97401  | L97401 Non-pressure chronic ulcer of unspecified heel and midfoot limited to breakdown of skin              |
| 149  | L97402  | L97402 Non-pressure chronic ulcer of unspecified heel and midfoot with fat layer exposed                    |
| 149  | L97403  | L97403 Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of muscle                   |
| 149  | L97404  | L97404 Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of bone                     |
| 149  | L97409  | L97409 Non-pressure chronic ulcer of unspecified heel and midfoot with unspecified severity                 |
| 149  | L97411  | L97411 Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin                    |
| 149  | L97412  | L97412 Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed                          |
| 149  | L97413  | L97413 Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle                         |
| 149  | L97414  | L97414 Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone                           |
| 149  | L97419  | L97419 Non-pressure chronic ulcer of right heel and midfoot with unspecified severity                       |
| 149  | L97421  | L97421 Non-pressure chronic ulcer of left heel and midfoot limited to breakdown of skin                     |
| 149  | L97422  | L97422 Non-pressure chronic ulcer of left heel and midfoot with fat layer exposed                           |
| 149  | L97423  | L97423 Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle                          |
| 149  | L97424  | L97424 Non-pressure chronic ulcer of left heel and midfoot with necrosis of bone                            |
| 149  | L97429  | L97429 Non-pressure chronic ulcer of left heel and midfoot with unspecified severity                        |
| 149  | L97501  | L97501 Non-pressure chronic ulcer of other part of unspecified foot limited to breakdown of skin            |
| 149  | L97502  | L97502 Non-pressure chronic ulcer of other part of unspecified foot with fat layer exposed                  |
| 149  | L97503  | L97503 Non-pressure chronic ulcer of other part of unspecified foot with necrosis of muscle                 |
| 149  | L97504  | L97504 Non-pressure chronic ulcer of other part of unspecified foot with necrosis of bone                   |
| 149  | L97509  | L97509 Non-pressure chronic ulcer of other part of unspecified foot with unspecified severity               |
| 149  | L97511  | L97511 Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin                  |
| 149  | L97512  | L97512 Non-pressure chronic ulcer of other part of right foot with fat layer exposed                        |
| 149  | L97513  | L97513 Non-pressure chronic ulcer of other part of right foot with necrosis of muscle                       |
| 149  | L97514  | L97514 Non-pressure chronic ulcer of other part of right foot with necrosis of bone                         |
| 149  | L97519  | L97519 Non-pressure chronic ulcer of other part of right foot with unspecified severity                     |
| 149  | L97521  | L97521 Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin                   |
| 149  | L97522  | L97522 Non-pressure chronic ulcer of other part of left foot with fat layer exposed                         |
| 149  | L97523  | L97523 Non-pressure chronic ulcer of other part of left foot with necrosis of muscle                        |
| 149  | L97524  | L97524 Non-pressure chronic ulcer of other part of left foot with necrosis of bone                          |
| 149  | L97529  | L97529 Non-pressure chronic ulcer of other part of left foot with unspecified severity                      |
| 149  | L97801  | L97801 Non-pressure chronic ulcer of other part of unspecified lower leg limited to breakdown of skin       |
| 149  | L97802  | L97802 Non-pressure chronic ulcer of other part of unspecified lower leg with fat layer exposed             |
| 149  | L97803  | L97803 Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of muscle            |
| 149  | L97804  | L97804 Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of bone              |
| 149  | L97809  | L97809 Non-pressure chronic ulcer of other part of unspecified lower leg with unspecified severity          |
| 149  | L97811  | L97811 Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin             |
| 149  | L97812  | L97812 Non-pressure chronic ulcer of other part of right lower leg with fat layer exposed                   |
| 149  | L97813  | L97813 Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle                  |
| 149  | L97814  | L97814 Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone                    |
| 149  | L97819  | L97819 Non-pressure chronic ulcer of other part of right lower leg with unspecified severity                |
| 149  | L97821  | L97821 Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin              |
| 149  | L97822  | L97822 Non-pressure chronic ulcer of other part of left lower leg with fat layer exposed                    |
| 149  | L97823  | L97823 Non-pressure chronic ulcer of other part of left lower leg with necrosis of muscle                   |
| 149  | L97824  | L97824 Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone                     |
| 149  | L97829  | L97829 Non-pressure chronic ulcer of other part of left lower leg with unspecified severity                 |
| 149  | L97901  | L97901 Non-pressure chronic ulcer of unspecified part of unspecified lower leg limited to breakdown of skin |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 149  | L97902  | L97902 Non-pressure chronic ulcer of unspecified part of unspecified lower leg with fat layer exposed                  |
| 149  | L97903  | L97903 Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of muscle                 |
| 149  | L97904  | L97904 Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of bone                   |
| 149  | L97909  | L97909 Non-pressure chronic ulcer of unspecified part of unspecified lower leg with unspecified severity               |
| 149  | L97911  | L97911 Non-pressure chronic ulcer of unspecified part of right lower leg limited to breakdown of skin                  |
| 149  | L97912  | L97912 Non-pressure chronic ulcer of unspecified part of right lower leg with fat layer exposed                        |
| 149  | L97913  | L97913 Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of muscle                       |
| 149  | L97914  | L97914 Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of bone                         |
| 149  | L97919  | L97919 Non-pressure chronic ulcer of unspecified part of right lower leg with unspecified severity                     |
| 149  | L97921  | L97921 Non-pressure chronic ulcer of unspecified part of left lower leg limited to breakdown of skin                   |
| 149  | L97922  | L97922 Non-pressure chronic ulcer of unspecified part of left lower leg with fat layer exposed                         |
| 149  | L97923  | L97923 Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of muscle                        |
| 149  | L97924  | L97924 Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of bone                          |
| 149  | L97929  | L97929 Non-pressure chronic ulcer of unspecified part of left lower leg with unspecified severity                      |
| 149  | L98411  | L98411 Non-pressure chronic ulcer of buttock limited to breakdown of skin  |
| 149  | L98412  | L98412 Non-pressure chronic ulcer of buttock with fat layer exposed  |
| 149  | L98413  | L98413 Non-pressure chronic ulcer of buttock with necrosis of muscle   |
| 149  | L98414  | L98414 Non-pressure chronic ulcer of buttock with necrosis of bone   |
| 149  | L98419  | L98419 Non-pressure chronic ulcer of buttock with unspecified severity   |
| 149  | L98421  | L98421 Non-pressure chronic ulcer of back limited to breakdown of skin   |
| 149  | L98422  | L98422 Non-pressure chronic ulcer of back with fat layer exposed   |
| 149  | L98423  | L98423 Non-pressure chronic ulcer of back with necrosis of muscle  |
| 149  | L98424  | L98424 Non-pressure chronic ulcer of back with necrosis of bone  |
| 149  | L98429  | L98429 Non-pressure chronic ulcer of back with unspecified severity  |
| 149  | L98491  | L98491 Non-pressure chronic ulcer of skin of other sites limited to breakdown of skin                                  |
| 149  | L98492  | L98492 Non-pressure chronic ulcer of skin of other sites with fat layer exposed  |
| 149  | L98493  | L98493 Non-pressure chronic ulcer of skin of other sites with necrosis of muscle                                       |
| 149  | L98494  | L98494 Non-pressure chronic ulcer of skin of other sites with necrosis of bone   |
| 149  | L98499  | L98499 Non-pressure chronic ulcer of skin of other sites with unspecified severity                                     |
| 158  | M80051A | M80051A Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture       |
| 158  | M80052A | M80052A Age-related osteoporosis with current pathological fracture, left femur, initial encounter for fracture        |
| 158  | M80059A | M80059A Age-related osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture |
| 158  | M80851A | M80851A Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture             |
| 158  | M80852A | M80852A Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture              |
| 158  | M80859A | M80859A Other osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture       |
| 158  | M84451A | M84451A Pathological fracture, right femur, initial encounter for fracture   |
| 158  | M84452A | M84452A Pathological fracture, left femur, initial encounter for fracture  |
| 158  | M84453A | M84453A Pathological fracture, unspecified femur, initial encounter for fracture                                       |
| 158  | M84459A | M84459A Pathological fracture, hip, unspecified, initial encounter for fracture  |
| 158  | M84551A | M84551A Pathological fracture in neoplastic disease, right femur, initial encounter for fracture                       |
| 158  | M84552A | M84552A Pathological fracture in neoplastic disease, left femur, initial encounter for fracture                        |
| 158  | M84553A | M84553A Pathological fracture in neoplastic disease, unspecified femur, initial encounter for fracture                 |
| 158  | M84559A | M84559A Pathological fracture in neoplastic disease, hip, unspecified, initial encounter for fracture                  |
| 158  | M84651A | M84651A Pathological fracture in other disease, right femur, initial encounter for fracture                            |
| 158  | M84652A | M84652A Pathological fracture in other disease, left femur, initial encounter for fracture                             |
| 158  | M84653A | M84653A Pathological fracture in other disease, unspecified femur, initial encounter for fracture                      |
| 158  | M84659A | M84659A Pathological fracture in other disease, hip, unspecified, initial encounter for fracture                       |
| 158  | S32301A | S32301A Unspecified fracture of right ilium, initial encounter for closed fracture                                     |
| 158  | S32301B | S32301B Unspecified fracture of right ilium, initial encounter for open fracture                                       |
| 158  | S32302A | S32302A Unspecified fracture of left ilium, initial encounter for closed fracture                                      |
| 158  | S32302B | S32302B Unspecified fracture of left ilium, initial encounter for open fracture  |
| 158  | S32309A | S32309A Unspecified fracture of unspecified ilium, initial encounter for closed fracture                               |
| 158  | S32309B | S32309B Unspecified fracture of unspecified ilium, initial encounter for open fracture                                 |
| 158  | S32311A | S32311A Displaced avulsion fracture of right ilium, initial encounter for closed fracture                              |
| 158  | S32311B | S32311B Displaced avulsion fracture of right ilium, initial encounter for open fracture                                |
| 158  | S32312A | S32312A Displaced avulsion fracture of left ilium, initial encounter for closed fracture                               |
| 158  | S32312B | S32312B Displaced avulsion fracture of left ilium, initial encounter for open fracture                                 |
| 158  | S32313A | S32313A Displaced avulsion fracture of unspecified ilium, initial encounter for closed fracture                        |
| 158  | S32313B | S32313B Displaced avulsion fracture of unspecified ilium, initial encounter for open fracture                          |
| 158  | S32314A | S32314A Nondisplaced avulsion fracture of right ilium, initial encounter for closed fracture                           |
| 158  | S32314B | S32314B Nondisplaced avulsion fracture of right ilium, initial encounter for open fracture                             |
| 158  | S32315A | S32315A Nondisplaced avulsion fracture of left ilium, initial encounter for closed fracture                            |
| 158  | S32315B | S32315B Nondisplaced avulsion fracture of left ilium, initial encounter for open fracture                              |
| 158  | S32316A | S32316A Nondisplaced avulsion fracture of unspecified ilium, initial encounter for closed fracture                     |
| 158  | S32316B | S32316B Nondisplaced avulsion fracture of unspecified ilium, initial encounter for open fracture                       |
| 158  | S32391A | S32391A Other fracture of right ilium, initial encounter for closed fracture   |
| 158  | S32391B | S32391B Other fracture of right ilium, initial encounter for open fracture   |
| 158  | S32392A | S32392A Other fracture of left ilium, initial encounter for closed fracture  |
| 158  | S32392B | S32392B Other fracture of left ilium, initial encounter for open fracture  |
| 158  | S32399A | S32399A Other fracture of unspecified ilium, initial encounter for closed fracture                                     |
| 158  | S32399B | S32399B Other fracture of unspecified ilium, initial encounter for open fracture                                       |
| 158  | S32401A | S32401A Unspecified fracture of right acetabulum, initial encounter for closed fracture                                |
| 158  | S32401B | S32401B Unspecified fracture of right acetabulum, initial encounter for open fracture                                  |
| 158  | S32402A | S32402A Unspecified fracture of left acetabulum, initial encounter for closed fracture                                 |
| 158  | S32402B | S32402B Unspecified fracture of left acetabulum, initial encounter for open fracture                                   |
| 158  | S32409A | S32409A Unspecified fracture of unspecified acetabulum, initial encounter for closed fracture                          |
| 158  | S32409B | S32409B Unspecified fracture of unspecified acetabulum, initial encounter for open fracture                            |
| 158  | S32411A | S32411A Displaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture                 |
| 158  | S32411B | S32411B Displaced fracture of anterior wall of right acetabulum, initial encounter for open fracture                   |
| 158  | S32412A | S32412A Displaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture                  |
| 158  | S32412B | S32412B Displaced fracture of anterior wall of left acetabulum, initial encounter for open fracture                    |
| 158  | S32413A | S32413A Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture           |
| 158  | S32413B | S32413B Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for open fracture             |
| 158  | S32414A | S32414A Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture              |
| 158  | S32414B | S32414B Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for open fracture                |
| 158  | S32415A | S32415A Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture               |
| 158  | S32415B | S32415B Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for open fracture                 |
| 158  | S32416A | S32416A Nondisplaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture        |



**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>   |
|-------------|----------------|---|
| 158         | S32492B        | S32492B Other specified fracture of left acetabulum, initial encounter for open fracture  |
| 158         | S32499A        | S32499A Other specified fracture of unspecified acetabulum, initial encounter for closed fracture   |
| 158         | S32499B        | S32499B Other specified fracture of unspecified acetabulum, initial encounter for open fracture   |
| 158         | S32501A        | S32501A Unspecified fracture of right pubis, initial encounter for closed fracture  |
| 158         | S32501B        | S32501B Unspecified fracture of right pubis, initial encounter for open fracture  |
| 158         | S32502A        | S32502A Unspecified fracture of left pubis, initial encounter for closed fracture   |
| 158         | S32502B        | S32502B Unspecified fracture of left pubis, initial encounter for open fracture   |
| 158         | S32509A        | S32509A Unspecified fracture of unspecified pubis, initial encounter for closed fracture  |
| 158         | S32509B        | S32509B Unspecified fracture of unspecified pubis, initial encounter for open fracture  |
| 158         | S32511A        | S32511A Fracture of superior rim of right pubis, initial encounter for closed fracture  |
| 158         | S32511B        | S32511B Fracture of superior rim of right pubis, initial encounter for open fracture  |
| 158         | S32512A        | S32512A Fracture of superior rim of left pubis, initial encounter for closed fracture   |
| 158         | S32512B        | S32512B Fracture of superior rim of left pubis, initial encounter for open fracture   |
| 158         | S32519A        | S32519A Fracture of superior rim of unspecified pubis, initial encounter for closed fracture  |
| 158         | S32519B        | S32519B Fracture of superior rim of unspecified pubis, initial encounter for open fracture  |
| 158         | S32591A        | S32591A Other specified fracture of right pubis, initial encounter for closed fracture  |
| 158         | S32591B        | S32591B Other specified fracture of right pubis, initial encounter for open fracture  |
| 158         | S32592A        | S32592A Other specified fracture of left pubis, initial encounter for closed fracture   |
| 158         | S32592B        | S32592B Other specified fracture of left pubis, initial encounter for open fracture   |
| 158         | S32599A        | S32599A Other specified fracture of unspecified pubis, initial encounter for closed fracture  |
| 158         | S32599B        | S32599B Other specified fracture of unspecified pubis, initial encounter for open fracture  |
| 158         | S32601A        | S32601A Unspecified fracture of right ischium, initial encounter for closed fracture  |
| 158         | S32601B        | S32601B Unspecified fracture of right ischium, initial encounter for open fracture  |
| 158         | S32602A        | S32602A Unspecified fracture of left ischium, initial encounter for closed fracture   |
| 158         | S32602B        | S32602B Unspecified fracture of left ischium, initial encounter for open fracture   |
| 158         | S32609A        | S32609A Unspecified fracture of unspecified ischium, initial encounter for closed fracture  |
| 158         | S32609B        | S32609B Unspecified fracture of unspecified ischium, initial encounter for open fracture  |
| 158         | S32611A        | S32611A Displaced avulsion fracture of right ischium, initial encounter for closed fracture   |
| 158         | S32611B        | S32611B Displaced avulsion fracture of right ischium, initial encounter for open fracture   |
| 158         | S32612A        | S32612A Displaced avulsion fracture of left ischium, initial encounter for closed fracture  |
| 158         | S32612B        | S32612B Displaced avulsion fracture of left ischium, initial encounter for open fracture  |
| 158         | S32613A        | S32613A Displaced avulsion fracture of unspecified ischium, initial encounter for closed fracture   |
| 158         | S32613B        | S32613B Displaced avulsion fracture of unspecified ischium, initial encounter for open fracture   |
| 158         | S32614A        | S32614A Nondisplaced avulsion fracture of right ischium, initial encounter for closed fracture  |
| 158         | S32614B        | S32614B Nondisplaced avulsion fracture of right ischium, initial encounter for open fracture  |
| 158         | S32615A        | S32615A Nondisplaced avulsion fracture of left ischium, initial encounter for closed fracture   |
| 158         | S32615B        | S32615B Nondisplaced avulsion fracture of left ischium, initial encounter for open fracture   |
| 158         | S32616A        | S32616A Nondisplaced avulsion fracture of unspecified ischium, initial encounter for closed fracture  |
| 158         | S32616B        | S32616B Nondisplaced avulsion fracture of unspecified ischium, initial encounter for open fracture  |
| 158         | S32691A        | S32691A Other specified fracture of right ischium, initial encounter for closed fracture  |
| 158         | S32691B        | S32691B Other specified fracture of right ischium, initial encounter for open fracture  |
| 158         | S32692A        | S32692A Other specified fracture of left ischium, initial encounter for closed fracture   |
| 158         | S32692B        | S32692B Other specified fracture of left ischium, initial encounter for open fracture   |
| 158         | S32699A        | S32699A Other specified fracture of unspecified ischium, initial encounter for closed fracture  |
| 158         | S32699B        | S32699B Other specified fracture of unspecified ischium, initial encounter for open fracture  |
| 158         | S32810A        | S32810A Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for closed fracture                               |
| 158         | S32810B        | S32810B Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for open fracture                                 |
| 158         | S32811A        | S32811A Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for closed fracture                             |
| 158         | S32811B        | S32811B Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for open fracture                               |
| 158         | S3289XA        | S3289XA Fracture of other parts of pelvis, initial encounter for closed fracture  |
| 158         | S3289XB        | S3289XB Fracture of other parts of pelvis, initial encounter for open fracture  |
| 158         | S329XXA        | S329XXA Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for closed fracture                                    |
| 158         | S329XXB        | S329XXB Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for open fracture                                      |
| 158         | S71009A        | S71009A Unspecified open wound, unspecified hip, initial encounter  |
| 158         | S72001A        | S72001A Fracture of unspecified part of neck of right femur, initial encounter for closed fracture  |
| 158         | S72001B        | S72001B Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II                                   |
| 158         | S72001C        | S72001C Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                       |
| 158         | S72002A        | S72002A Fracture of unspecified part of neck of left femur, initial encounter for closed fracture   |
| 158         | S72002B        | S72002B Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II                                    |
| 158         | S72002C        | S72002C Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                        |
| 158         | S72009A        | S72009A Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture  |
| 158         | S72009B        | S72009B Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II                             |
| 158         | S72009C        | S72009C Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                 |
| 158         | S72011A        | S72011A Unspecified intracapsular fracture of right femur, initial encounter for closed fracture  |
| 158         | S72011B        | S72011B Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II                                     |
| 158         | S72011C        | S72011C Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                         |
| 158         | S72012A        | S72012A Unspecified intracapsular fracture of left femur, initial encounter for closed fracture   |
| 158         | S72012B        | S72012B Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II                                      |
| 158         | S72012C        | S72012C Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                          |
| 158         | S72019A        | S72019A Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture  |
| 158         | S72019B        | S72019B Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II                               |
| 158         | S72019C        | S72019C Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC                   |
| 158         | S72021A        | S72021A Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture                              |
| 158         | S72021B        | S72021B Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II                   |
| 158         | S72021C        | S72021C Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC       |
| 158         | S72022A        | S72022A Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture                               |
| 158         | S72022B        | S72022B Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II                    |
| 158         | S72022C        | S72022C Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC        |
| 158         | S72023A        | S72023A Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture                        |
| 158         | S72023B        | S72023B Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II             |
| 158         | S72023C        | S72023C Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC |
| 158         | S72024A        | S72024A Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture                           |
| 158         | S72024B        | S72024B Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II                |
| 158         | S72024C        | S72024C Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC    |
| 158         | S72025A        | S72025A Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture                            |
| 158         | S72025B        | S72025B Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II                 |
| 158         | S72025C        | S72025C Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC     |
| 158         | S72026A        | S72026A Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture                     |













**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc   |
|------|---------|--|
| 158  | S73021A | S73021A Obturator subluxation of right hip, initial encounter  |
| 158  | S73022A | S73022A Obturator subluxation of left hip, initial encounter   |
| 158  | S73023A | S73023A Obturator subluxation of unspecified hip, initial encounter  |
| 158  | S73024A | S73024A Obturator dislocation of right hip, initial encounter  |
| 158  | S73025A | S73025A Obturator dislocation of left hip, initial encounter   |
| 158  | S73026A | S73026A Obturator dislocation of unspecified hip, initial encounter  |
| 158  | S73031A | S73031A Other anterior subluxation of right hip, initial encounter   |
| 158  | S73032A | S73032A Other anterior subluxation of left hip, initial encounter  |
| 158  | S73033A | S73033A Other anterior subluxation of unspecified hip, initial encounter   |
| 158  | S73034A | S73034A Other anterior dislocation of right hip, initial encounter   |
| 158  | S73035A | S73035A Other anterior dislocation of left hip, initial encounter  |
| 158  | S73036A | S73036A Other anterior dislocation of unspecified hip, initial encounter   |
| 158  | S73041A | S73041A Central subluxation of right hip, initial encounter  |
| 158  | S73042A | S73042A Central subluxation of left hip, initial encounter   |
| 158  | S73043A | S73043A Central subluxation of unspecified hip, initial encounter  |
| 158  | S73044A | S73044A Central dislocation of right hip, initial encounter  |
| 158  | S73045A | S73045A Central dislocation of left hip, initial encounter   |
| 158  | S73046A | S73046A Central dislocation of unspecified hip, initial encounter  |
| 158  | S79001A | S79001A Unspecified physeal fracture of upper end of right femur, initial encounter for closed fracture                  |
| 158  | S79002A | S79002A Unspecified physeal fracture of upper end of left femur, initial encounter for closed fracture                   |
| 158  | S79009A | S79009A Unspecified physeal fracture of upper end of unspecified femur, initial encounter for closed fracture            |
| 158  | S79011A | S79011A Salter-Harris Type I physeal fracture of upper end of right femur, initial encounter for closed fracture         |
| 158  | S79012A | S79012A Salter-Harris Type I physeal fracture of upper end of left femur, initial encounter for closed fracture          |
| 158  | S79019A | S79019A Salter-Harris Type I physeal fracture of upper end of unspecified femur, initial encounter for closed fracture   |
| 158  | S79091A | S79091A Other physeal fracture of upper end of right femur, initial encounter for closed fracture                        |
| 158  | S79092A | S79092A Other physeal fracture of upper end of left femur, initial encounter for closed fracture                         |
| 158  | S79099A | S79099A Other physeal fracture of upper end of unspecified femur, initial encounter for closed fracture                  |
| 158  | S79101A | S79101A Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture                  |
| 158  | S79102A | S79102A Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture                   |
| 158  | S79109A | S79109A Unspecified physeal fracture of lower end of unspecified femur, initial encounter for closed fracture            |
| 158  | S79111A | S79111A Salter-Harris Type I physeal fracture of lower end of right femur, initial encounter for closed fracture         |
| 158  | S79112A | S79112A Salter-Harris Type I physeal fracture of lower end of left femur, initial encounter for closed fracture          |
| 158  | S79119A | S79119A Salter-Harris Type I physeal fracture of lower end of unspecified femur, initial encounter for closed fracture   |
| 158  | S79121A | S79121A Salter-Harris Type II physeal fracture of lower end of right femur, initial encounter for closed fracture        |
| 158  | S79122A | S79122A Salter-Harris Type II physeal fracture of lower end of left femur, initial encounter for closed fracture         |
| 158  | S79129A | S79129A Salter-Harris Type II physeal fracture of lower end of unspecified femur, initial encounter for closed fracture  |
| 158  | S79131A | S79131A Salter-Harris Type III physeal fracture of lower end of right femur, initial encounter for closed fracture       |
| 158  | S79132A | S79132A Salter-Harris Type III physeal fracture of lower end of left femur, initial encounter for closed fracture        |
| 158  | S79139A | S79139A Salter-Harris Type III physeal fracture of lower end of unspecified femur, initial encounter for closed fracture |
| 158  | S79141A | S79141A Salter-Harris Type IV physeal fracture of lower end of right femur, initial encounter for closed fracture        |
| 158  | S79142A | S79142A Salter-Harris Type IV physeal fracture of lower end of left femur, initial encounter for closed fracture         |
| 158  | S79149A | S79149A Salter-Harris Type IV physeal fracture of lower end of unspecified femur, initial encounter for closed fracture  |
| 158  | S79191A | S79191A Other physeal fracture of lower end of right femur, initial encounter for closed fracture                        |
| 158  | S79192A | S79192A Other physeal fracture of lower end of left femur, initial encounter for closed fracture                         |
| 158  | S79199A | S79199A Other physeal fracture of lower end of unspecified femur, initial encounter for closed fracture                  |
| 174  | T8600   | T8600 Unspecified complication of bone marrow transplant   |
| 174  | T8601   | T8601 Bone marrow transplant rejection   |
| 174  | T8602   | T8602 Bone marrow transplant failure   |
| 174  | T8603   | T8603 Bone marrow transplant infection   |
| 174  | T8609   | T8609 Other complications of bone marrow transplant  |
| 174  | T8620   | T8620 Unspecified complication of heart transplant   |
| 174  | T8621   | T8621 Heart transplant rejection   |
| 174  | T8622   | T8622 Heart transplant failure   |
| 174  | T8623   | T8623 Heart transplant infection   |
| 174  | T86290  | T86290 Cardiac allograft vasculopathy  |
| 174  | T86298  | T86298 Other complications of heart transplant   |
| 174  | T8630   | T8630 Unspecified complication of heart-lung transplant  |
| 174  | T8631   | T8631 Heart-lung transplant rejection  |
| 174  | T8632   | T8632 Heart-lung transplant failure  |
| 174  | T8633   | T8633 Heart-lung transplant infection  |
| 174  | T8639   | T8639 Other complications of heart-lung transplant   |
| 174  | T8640   | T8640 Unspecified complication of liver transplant   |
| 174  | T8641   | T8641 Liver transplant rejection   |
| 174  | T8642   | T8642 Liver transplant failure   |
| 174  | T8643   | T8643 Liver transplant infection   |
| 174  | T8649   | T8649 Other complications of liver transplant  |
| 174  | T86810  | T86810 Lung transplant rejection   |
| 174  | T86811  | T86811 Lung transplant failure   |
| 174  | T86812  | T86812 Lung transplant infection   |
| 174  | T86818  | T86818 Other complications of lung transplant  |
| 174  | T86819  | T86819 Unspecified complication of lung transplant   |
| 174  | T86850  | T86850 Intestine transplant rejection  |
| 174  | T86851  | T86851 Intestine transplant failure  |
| 174  | T86852  | T86852 Intestine transplant infection  |
| 174  | T86858  | T86858 Other complications of intestine transplant   |
| 174  | T86859  | T86859 Unspecified complication of intestine transplant  |
| 174  | T86890  | T86890 Other transplanted tissue rejection   |
| 174  | T86891  | T86891 Other transplanted tissue failure   |
| 174  | T86892  | T86892 Other transplanted tissue infection   |
| 174  | T86898  | T86898 Other complications of other transplanted tissue  |
| 174  | T86899  | T86899 Unspecified complication of other transplanted tissue   |
| 174  | Z4821   | Z4821 Encounter for aftercare following heart transplant   |
| 174  | Z4823   | Z4823 Encounter for aftercare following liver transplant   |
| 174  | Z4824   | Z4824 Encounter for aftercare following lung transplant  |
| 174  | Z48280  | Z48280 Encounter for aftercare following heart-lung transplant   |
| 174  | Z48290  | Z48290 Encounter for aftercare following bone marrow transplant  |
| 174  | Z941    | Z941 Heart transplant status   |
| 174  | Z942    | Z942 Lung transplant status  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 174  | Z943    | Z943 Heart and lungs transplant status  |
| 174  | Z944    | Z944 Liver transplant status  |
| 174  | Z9481   | Z9481 Bone marrow transplant status   |
| 174  | Z9482   | Z9482 Intestine transplant status   |
| 174  | Z9483   | Z9483 Pancreas transplant status  |
| 174  | Z9484   | Z9484 Stem cells transplant status  |
| 174  | Z95811  | Z95811 Presence of heart assist device  |
| 174  | Z95812  | Z95812 Presence of fully implantable artificial heart   |
| 177  | G546    | G546 Phantom limb syndrome with pain  |
| 177  | G547    | G547 Phantom limb syndrome without pain   |
| 177  | S48011S | S48011S Complete traumatic amputation at right shoulder joint, sequela                                  |
| 177  | S48012S | S48012S Complete traumatic amputation at left shoulder joint, sequela                                   |
| 177  | S48019S | S48019S Complete traumatic amputation at unspecified shoulder joint, sequela                            |
| 177  | S48021S | S48021S Partial traumatic amputation at right shoulder joint, sequela                                   |
| 177  | S48022S | S48022S Partial traumatic amputation at left shoulder joint, sequela                                    |
| 177  | S48029S | S48029S Partial traumatic amputation at unspecified shoulder joint, sequela                             |
| 177  | S48111S | S48111S Complete traumatic amputation at level between right shoulder and elbow, sequela                |
| 177  | S48112S | S48112S Complete traumatic amputation at level between left shoulder and elbow, sequela                 |
| 177  | S48119S | S48119S Complete traumatic amputation at level between unspecified shoulder and elbow, sequela          |
| 177  | S48121S | S48121S Partial traumatic amputation at level between right shoulder and elbow, sequela                 |
| 177  | S48122S | S48122S Partial traumatic amputation at level between left shoulder and elbow, sequela                  |
| 177  | S48129S | S48129S Partial traumatic amputation at level between unspecified shoulder and elbow, sequela           |
| 177  | S48911S | S48911S Complete traumatic amputation of right shoulder and upper arm, level unspecified, sequela       |
| 177  | S48912S | S48912S Complete traumatic amputation of left shoulder and upper arm, level unspecified, sequela        |
| 177  | S48919S | S48919S Complete traumatic amputation of unspecified shoulder and upper arm, level unspecified, sequela |
| 177  | S48921S | S48921S Partial traumatic amputation of right shoulder and upper arm, level unspecified, sequela        |
| 177  | S48922S | S48922S Partial traumatic amputation of left shoulder and upper arm, level unspecified, sequela         |
| 177  | S48929S | S48929S Partial traumatic amputation of unspecified shoulder and upper arm, level unspecified, sequela  |
| 177  | S58011S | S58011S Complete traumatic amputation at elbow level, right arm, sequela                                |
| 177  | S58012S | S58012S Complete traumatic amputation at elbow level, left arm, sequela                                 |
| 177  | S58019S | S58019S Complete traumatic amputation at elbow level, unspecified arm, sequela                          |
| 177  | S58021S | S58021S Partial traumatic amputation at elbow level, right arm, sequela                                 |
| 177  | S58022S | S58022S Partial traumatic amputation at elbow level, left arm, sequela                                  |
| 177  | S58029S | S58029S Partial traumatic amputation at elbow level, unspecified arm, sequela                           |
| 177  | S58111S | S58111S Complete traumatic amputation at level between elbow and wrist, right arm, sequela              |
| 177  | S58112S | S58112S Complete traumatic amputation at level between elbow and wrist, left arm, sequela               |
| 177  | S58119S | S58119S Complete traumatic amputation at level between elbow and wrist, unspecified arm, sequela        |
| 177  | S58121S | S58121S Partial traumatic amputation at level between elbow and wrist, right arm, sequela               |
| 177  | S58122S | S58122S Partial traumatic amputation at level between elbow and wrist, left arm, sequela                |
| 177  | S58129S | S58129S Partial traumatic amputation at level between elbow and wrist, unspecified arm, sequela         |
| 177  | S58911S | S58911S Complete traumatic amputation of right forearm, level unspecified, sequela                      |
| 177  | S58912S | S58912S Complete traumatic amputation of left forearm, level unspecified, sequela                       |
| 177  | S58919S | S58919S Complete traumatic amputation of unspecified forearm, level unspecified, sequela                |
| 177  | S58921S | S58921S Partial traumatic amputation of right forearm, level unspecified, sequela                       |
| 177  | S58922S | S58922S Partial traumatic amputation of left forearm, level unspecified, sequela                        |
| 177  | S58929S | S58929S Partial traumatic amputation of unspecified forearm, level unspecified, sequela                 |
| 177  | S68011S | S68011S Complete traumatic metacarpophalangeal amputation of right thumb, sequela                       |
| 177  | S68012S | S68012S Complete traumatic metacarpophalangeal amputation of left thumb, sequela                        |
| 177  | S68019S | S68019S Complete traumatic metacarpophalangeal amputation of unspecified thumb, sequela                 |
| 177  | S68021S | S68021S Partial traumatic metacarpophalangeal amputation of right thumb, sequela                        |
| 177  | S68022S | S68022S Partial traumatic metacarpophalangeal amputation of left thumb, sequela                         |
| 177  | S68029S | S68029S Partial traumatic metacarpophalangeal amputation of unspecified thumb, sequela                  |
| 177  | S68110S | S68110S Complete traumatic metacarpophalangeal amputation of right index finger, sequela                |
| 177  | S68111S | S68111S Complete traumatic metacarpophalangeal amputation of left index finger, sequela                 |
| 177  | S68112S | S68112S Complete traumatic metacarpophalangeal amputation of right middle finger, sequela               |
| 177  | S68113S | S68113S Complete traumatic metacarpophalangeal amputation of left middle finger, sequela                |
| 177  | S68114S | S68114S Complete traumatic metacarpophalangeal amputation of right ring finger, sequela                 |
| 177  | S68115S | S68115S Complete traumatic metacarpophalangeal amputation of left ring finger, sequela                  |
| 177  | S68116S | S68116S Complete traumatic metacarpophalangeal amputation of right little finger, sequela               |
| 177  | S68117S | S68117S Complete traumatic metacarpophalangeal amputation of left little finger, sequela                |
| 177  | S68118S | S68118S Complete traumatic metacarpophalangeal amputation of other finger, sequela                      |
| 177  | S68119S | S68119S Complete traumatic metacarpophalangeal amputation of unspecified finger, sequela                |
| 177  | S68120S | S68120S Partial traumatic metacarpophalangeal amputation of right index finger, sequela                 |
| 177  | S68121S | S68121S Partial traumatic metacarpophalangeal amputation of left index finger, sequela                  |
| 177  | S68122S | S68122S Partial traumatic metacarpophalangeal amputation of right middle finger, sequela                |
| 177  | S68123S | S68123S Partial traumatic metacarpophalangeal amputation of left middle finger, sequela                 |
| 177  | S68124S | S68124S Partial traumatic metacarpophalangeal amputation of right ring finger, sequela                  |
| 177  | S68125S | S68125S Partial traumatic metacarpophalangeal amputation of left ring finger, sequela                   |
| 177  | S68126S | S68126S Partial traumatic metacarpophalangeal amputation of right little finger, sequela                |
| 177  | S68127S | S68127S Partial traumatic metacarpophalangeal amputation of left little finger, sequela                 |
| 177  | S68128S | S68128S Partial traumatic metacarpophalangeal amputation of other finger, sequela                       |
| 177  | S68129S | S68129S Partial traumatic metacarpophalangeal amputation of unspecified finger, sequela                 |
| 177  | S68411S | S68411S Complete traumatic amputation of right hand at wrist level, sequela                             |
| 177  | S68412S | S68412S Complete traumatic amputation of left hand at wrist level, sequela                              |
| 177  | S68419S | S68419S Complete traumatic amputation of unspecified hand at wrist level, sequela                       |
| 177  | S68421S | S68421S Partial traumatic amputation of right hand at wrist level, sequela                              |
| 177  | S68422S | S68422S Partial traumatic amputation of left hand at wrist level, sequela                               |
| 177  | S68429S | S68429S Partial traumatic amputation of unspecified hand at wrist level, sequela                        |
| 177  | S68511S | S68511S Complete traumatic transphalangeal amputation of right thumb, sequela                           |
| 177  | S68512S | S68512S Complete traumatic transphalangeal amputation of left thumb, sequela                            |
| 177  | S68519S | S68519S Complete traumatic transphalangeal amputation of unspecified thumb, sequela                     |
| 177  | S68521S | S68521S Partial traumatic transphalangeal amputation of right thumb, sequela                            |
| 177  | S68522S | S68522S Partial traumatic transphalangeal amputation of left thumb, sequela                             |
| 177  | S68529S | S68529S Partial traumatic transphalangeal amputation of unspecified thumb, sequela                      |
| 177  | S68610S | S68610S Complete traumatic transphalangeal amputation of right index finger, sequela                    |
| 177  | S68611S | S68611S Complete traumatic transphalangeal amputation of left index finger, sequela                     |
| 177  | S68612S | S68612S Complete traumatic transphalangeal amputation of right middle finger, sequela                   |
| 177  | S68613S | S68613S Complete traumatic transphalangeal amputation of left middle finger, sequela                    |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| cc_n | ICD10CM | ICD10_ICD10CM_desc  |
|------|---------|---|
| 177  | S68614S | S68614S Complete traumatic transphalangeal amputation of right ring finger, sequela                   |
| 177  | S68615S | S68615S Complete traumatic transphalangeal amputation of left ring finger, sequela                    |
| 177  | S68616S | S68616S Complete traumatic transphalangeal amputation of right little finger, sequela                 |
| 177  | S68617S | S68617S Complete traumatic transphalangeal amputation of left little finger, sequela                  |
| 177  | S68618S | S68618S Complete traumatic transphalangeal amputation of other finger, sequela                        |
| 177  | S68619S | S68619S Complete traumatic transphalangeal amputation of unspecified finger, sequela                  |
| 177  | S68620S | S68620S Partial traumatic transphalangeal amputation of right index finger, sequela                   |
| 177  | S68621S | S68621S Partial traumatic transphalangeal amputation of left index finger, sequela                    |
| 177  | S68622S | S68622S Partial traumatic transphalangeal amputation of right middle finger, sequela                  |
| 177  | S68623S | S68623S Partial traumatic transphalangeal amputation of left middle finger, sequela                   |
| 177  | S68624S | S68624S Partial traumatic transphalangeal amputation of right ring finger, sequela                    |
| 177  | S68625S | S68625S Partial traumatic transphalangeal amputation of left ring finger, sequela                     |
| 177  | S68626S | S68626S Partial traumatic transphalangeal amputation of right little finger, sequela                  |
| 177  | S68627S | S68627S Partial traumatic transphalangeal amputation of left little finger, sequela                   |
| 177  | S68628S | S68628S Partial traumatic transphalangeal amputation of other finger, sequela                         |
| 177  | S68629S | S68629S Partial traumatic transphalangeal amputation of unspecified finger, sequela                   |
| 177  | S68711S | S68711S Complete traumatic transmetacarpal amputation of right hand, sequela                          |
| 177  | S68712S | S68712S Complete traumatic transmetacarpal amputation of left hand, sequela                           |
| 177  | S68719S | S68719S Complete traumatic transmetacarpal amputation of unspecified hand, sequela                    |
| 177  | S68721S | S68721S Partial traumatic transmetacarpal amputation of right hand, sequela                           |
| 177  | S68722S | S68722S Partial traumatic transmetacarpal amputation of left hand, sequela                            |
| 177  | S68729S | S68729S Partial traumatic transmetacarpal amputation of unspecified hand, sequela                     |
| 177  | S78011S | S78011S Complete traumatic amputation at right hip joint, sequela                                     |
| 177  | S78012S | S78012S Complete traumatic amputation at left hip joint, sequela                                      |
| 177  | S78019S | S78019S Complete traumatic amputation at unspecified hip joint, sequela                               |
| 177  | S78021S | S78021S Partial traumatic amputation at right hip joint, sequela                                      |
| 177  | S78022S | S78022S Partial traumatic amputation at left hip joint, sequela                                       |
| 177  | S78029S | S78029S Partial traumatic amputation at unspecified hip joint, sequela                                |
| 177  | S78111S | S78111S Complete traumatic amputation at level between right hip and knee, sequela                    |
| 177  | S78112S | S78112S Complete traumatic amputation at level between left hip and knee, sequela                     |
| 177  | S78119S | S78119S Complete traumatic amputation at level between unspecified hip and knee, sequela              |
| 177  | S78121S | S78121S Partial traumatic amputation at level between right hip and knee, sequela                     |
| 177  | S78122S | S78122S Partial traumatic amputation at level between left hip and knee, sequela                      |
| 177  | S78129S | S78129S Partial traumatic amputation at level between unspecified hip and knee, sequela               |
| 177  | S78911S | S78911S Complete traumatic amputation of right hip and thigh, level unspecified, sequela              |
| 177  | S78912S | S78912S Complete traumatic amputation of left hip and thigh, level unspecified, sequela               |
| 177  | S78919S | S78919S Complete traumatic amputation of unspecified hip and thigh, level unspecified, sequela        |
| 177  | S78921S | S78921S Partial traumatic amputation of right hip and thigh, level unspecified, sequela               |
| 177  | S78922S | S78922S Partial traumatic amputation of left hip and thigh, level unspecified, sequela                |
| 177  | S78929S | S78929S Partial traumatic amputation of unspecified hip and thigh, level unspecified, sequela         |
| 177  | S88011S | S88011S Complete traumatic amputation at knee level, right lower leg, sequela                         |
| 177  | S88012S | S88012S Complete traumatic amputation at knee level, left lower leg, sequela                          |
| 177  | S88019S | S88019S Complete traumatic amputation at knee level, unspecified lower leg, sequela                   |
| 177  | S88021S | S88021S Partial traumatic amputation at knee level, right lower leg, sequela                          |
| 177  | S88022S | S88022S Partial traumatic amputation at knee level, left lower leg, sequela                           |
| 177  | S88029S | S88029S Partial traumatic amputation at knee level, unspecified lower leg, sequela                    |
| 177  | S88111S | S88111S Complete traumatic amputation at level between knee and ankle, right lower leg, sequela       |
| 177  | S88112S | S88112S Complete traumatic amputation at level between knee and ankle, left lower leg, sequela        |
| 177  | S88119S | S88119S Complete traumatic amputation at level between knee and ankle, unspecified lower leg, sequela |
| 177  | S88121S | S88121S Partial traumatic amputation at level between knee and ankle, right lower leg, sequela        |
| 177  | S88122S | S88122S Partial traumatic amputation at level between knee and ankle, left lower leg, sequela         |
| 177  | S88129S | S88129S Partial traumatic amputation at level between knee and ankle, unspecified lower leg, sequela  |
| 177  | S88911S | S88911S Complete traumatic amputation of right lower leg, level unspecified, sequela                  |
| 177  | S88912S | S88912S Complete traumatic amputation of left lower leg, level unspecified, sequela                   |
| 177  | S88919S | S88919S Complete traumatic amputation of unspecified lower leg, level unspecified, sequela            |
| 177  | S88921S | S88921S Partial traumatic amputation of right lower leg, level unspecified, sequela                   |
| 177  | S88922S | S88922S Partial traumatic amputation of left lower leg, level unspecified, sequela                    |
| 177  | S88929S | S88929S Partial traumatic amputation of unspecified lower leg, level unspecified, sequela             |
| 177  | S98011S | S98011S Complete traumatic amputation of right foot at ankle level, sequela                           |
| 177  | S98012S | S98012S Complete traumatic amputation of left foot at ankle level, sequela                            |
| 177  | S98019S | S98019S Complete traumatic amputation of unspecified foot at ankle level, sequela                     |
| 177  | S98021S | S98021S Partial traumatic amputation of right foot at ankle level, sequela                            |
| 177  | S98022S | S98022S Partial traumatic amputation of left foot at ankle level, sequela                             |
| 177  | S98029S | S98029S Partial traumatic amputation of unspecified foot at ankle level, sequela                      |
| 177  | S98111S | S98111S Complete traumatic amputation of right great toe, sequela                                     |
| 177  | S98112S | S98112S Complete traumatic amputation of left great toe, sequela                                      |
| 177  | S98119S | S98119S Complete traumatic amputation of unspecified great toe, sequela                               |
| 177  | S98121S | S98121S Partial traumatic amputation of right great toe, sequela                                      |
| 177  | S98122S | S98122S Partial traumatic amputation of left great toe, sequela                                       |
| 177  | S98129S | S98129S Partial traumatic amputation of unspecified great toe, sequela                                |
| 177  | S98131S | S98131S Complete traumatic amputation of one right lesser toe, sequela                                |
| 177  | S98132S | S98132S Complete traumatic amputation of one left lesser toe, sequela                                 |
| 177  | S98139S | S98139S Complete traumatic amputation of one unspecified lesser toe, sequela                          |
| 177  | S98141S | S98141S Partial traumatic amputation of one right lesser toe, sequela                                 |
| 177  | S98142S | S98142S Partial traumatic amputation of one left lesser toe, sequela                                  |
| 177  | S98149S | S98149S Partial traumatic amputation of one unspecified lesser toe, sequela                           |
| 177  | S98211S | S98211S Complete traumatic amputation of two or more right lesser toes, sequela                       |
| 177  | S98212S | S98212S Complete traumatic amputation of two or more left lesser toes, sequela                        |
| 177  | S98219S | S98219S Complete traumatic amputation of two or more unspecified lesser toes, sequela                 |
| 177  | S98221S | S98221S Partial traumatic amputation of two or more right lesser toes, sequela                        |
| 177  | S98222S | S98222S Partial traumatic amputation of two or more left lesser toes, sequela                         |
| 177  | S98229S | S98229S Partial traumatic amputation of two or more unspecified lesser toes, sequela                  |
| 177  | S98311S | S98311S Complete traumatic amputation of right midfoot, sequela                                       |
| 177  | S98312S | S98312S Complete traumatic amputation of left midfoot, sequela  |
| 177  | S98319S | S98319S Complete traumatic amputation of unspecified midfoot, sequela                                 |
| 177  | S98321S | S98321S Partial traumatic amputation of right midfoot, sequela  |
| 177  | S98322S | S98322S Partial traumatic amputation of left midfoot, sequela   |
| 177  | S98329S | S98329S Partial traumatic amputation of unspecified midfoot, sequela                                  |

**The list of ICD-10 codes used for the past year comorbidity adjustment**

| <b>cc_n</b> | <b>ICD10CM</b> | <b>ICD10_ICD10CM_desc</b>  |
|-------------|----------------|--|
| 177         | S98911S        | S98911S Complete traumatic amputation of right foot, level unspecified, sequela            |
| 177         | S98912S        | S98912S Complete traumatic amputation of left foot, level unspecified, sequela             |
| 177         | S98919S        | S98919S Complete traumatic amputation of unspecified foot, level unspecified, sequela      |
| 177         | S98921S        | S98921S Partial traumatic amputation of right foot, level unspecified, sequela             |
| 177         | S98922S        | S98922S Partial traumatic amputation of left foot, level unspecified, sequela              |
| 177         | S98929S        | S98929S Partial traumatic amputation of unspecified foot, level unspecified, sequela       |
| 177         | T8730          | T8730 Neuroma of amputation stump, unspecified extremity                                   |
| 177         | T8731          | T8731 Neuroma of amputation stump, right upper extremity                                   |
| 177         | T8732          | T8732 Neuroma of amputation stump, left upper extremity                                    |
| 177         | T8733          | T8733 Neuroma of amputation stump, right lower extremity                                   |
| 177         | T8734          | T8734 Neuroma of amputation stump, left lower extremity                                    |
| 177         | T8740          | T8740 Infection of amputation stump, unspecified extremity                                 |
| 177         | T8741          | T8741 Infection of amputation stump, right upper extremity                                 |
| 177         | T8742          | T8742 Infection of amputation stump, left upper extremity                                  |
| 177         | T8743          | T8743 Infection of amputation stump, right lower extremity                                 |
| 177         | T8744          | T8744 Infection of amputation stump, left lower extremity                                  |
| 177         | T8750          | T8750 Necrosis of amputation stump, unspecified extremity                                  |
| 177         | T8751          | T8751 Necrosis of amputation stump, right upper extremity                                  |
| 177         | T8752          | T8752 Necrosis of amputation stump, left upper extremity                                   |
| 177         | T8753          | T8753 Necrosis of amputation stump, right lower extremity                                  |
| 177         | T8754          | T8754 Necrosis of amputation stump, left lower extremity                                   |
| 177         | T8781          | T8781 Dehiscence of amputation stump   |
| 177         | T8789          | T8789 Other complications of amputation stump  |
| 177         | T879           | T879 Unspecified complications of amputation stump   |
| 177         | Z44101         | Z44101 Encounter for fitting and adjustment of unspecified right artificial leg            |
| 177         | Z44102         | Z44102 Encounter for fitting and adjustment of unspecified left artificial leg             |
| 177         | Z44109         | Z44109 Encounter for fitting and adjustment of unspecified artificial leg, unspecified leg |
| 177         | Z44111         | Z44111 Encounter for fitting and adjustment of complete right artificial leg               |
| 177         | Z44112         | Z44112 Encounter for fitting and adjustment of complete left artificial leg                |
| 177         | Z44119         | Z44119 Encounter for fitting and adjustment of complete artificial leg, unspecified leg    |
| 177         | Z44121         | Z44121 Encounter for fitting and adjustment of partial artificial right leg                |
| 177         | Z44122         | Z44122 Encounter for fitting and adjustment of partial artificial left leg                 |
| 177         | Z44129         | Z44129 Encounter for fitting and adjustment of partial artificial leg, unspecified leg     |
| 177         | Z89411         | Z89411 Acquired absence of right great toe   |
| 177         | Z89412         | Z89412 Acquired absence of left great toe  |
| 177         | Z89419         | Z89419 Acquired absence of unspecified great toe   |
| 177         | Z89421         | Z89421 Acquired absence of other right toe(s)  |
| 177         | Z89422         | Z89422 Acquired absence of other left toe(s)   |
| 177         | Z89429         | Z89429 Acquired absence of other toe(s), unspecified side                                  |
| 177         | Z89431         | Z89431 Acquired absence of right foot  |
| 177         | Z89432         | Z89432 Acquired absence of left foot   |
| 177         | Z89439         | Z89439 Acquired absence of unspecified foot  |
| 177         | Z89441         | Z89441 Acquired absence of right ankle   |
| 177         | Z89442         | Z89442 Acquired absence of left ankle  |
| 177         | Z89449         | Z89449 Acquired absence of unspecified ankle   |
| 177         | Z89511         | Z89511 Acquired absence of right leg below knee  |
| 177         | Z89512         | Z89512 Acquired absence of left leg below knee   |
| 177         | Z89519         | Z89519 Acquired absence of unspecified leg below knee                                      |
| 177         | Z89611         | Z89611 Acquired absence of right leg above knee  |
| 177         | Z89612         | Z89612 Acquired absence of left leg above knee   |
| 177         | Z89619         | Z89619 Acquired absence of unspecified leg above knee                                      |
| 177         | Z89621         | Z89621 Acquired absence of right hip joint   |
| 177         | Z89622         | Z89622 Acquired absence of left hip joint  |
| 177         | Z89629         | Z89629 Acquired absence of unspecified hip joint   |
| 177         | Z899           | Z899 Acquired absence of limb, unspecified   |
| 178         | Z44001         | Z44001 Encounter for fitting and adjustment of unspecified right artificial arm            |
| 178         | Z44002         | Z44002 Encounter for fitting and adjustment of unspecified left artificial arm             |
| 178         | Z44009         | Z44009 Encounter for fitting and adjustment of unspecified artificial arm, unspecified arm |
| 178         | Z44011         | Z44011 Encounter for fitting and adjustment of complete right artificial arm               |
| 178         | Z44012         | Z44012 Encounter for fitting and adjustment of complete left artificial arm                |
| 178         | Z44019         | Z44019 Encounter for fitting and adjustment of complete artificial arm, unspecified arm    |
| 178         | Z44021         | Z44021 Encounter for fitting and adjustment of partial artificial right arm                |
| 178         | Z44022         | Z44022 Encounter for fitting and adjustment of partial artificial left arm                 |
| 178         | Z44029         | Z44029 Encounter for fitting and adjustment of partial artificial arm, unspecified arm     |
| 178         | Z89011         | Z89011 Acquired absence of right thumb   |
| 178         | Z89012         | Z89012 Acquired absence of left thumb  |
| 178         | Z89019         | Z89019 Acquired absence of unspecified thumb   |
| 178         | Z89021         | Z89021 Acquired absence of right finger(s)   |
| 178         | Z89022         | Z89022 Acquired absence of left finger(s)  |
| 178         | Z89029         | Z89029 Acquired absence of unspecified finger(s)   |
| 178         | Z89111         | Z89111 Acquired absence of right hand  |
| 178         | Z89112         | Z89112 Acquired absence of left hand   |
| 178         | Z89119         | Z89119 Acquired absence of unspecified hand  |
| 178         | Z89121         | Z89121 Acquired absence of right wrist   |
| 178         | Z89122         | Z89122 Acquired absence of left wrist  |
| 178         | Z89129         | Z89129 Acquired absence of unspecified wrist   |
| 178         | Z89201         | Z89201 Acquired absence of right upper limb, unspecified level                             |
| 178         | Z89202         | Z89202 Acquired absence of left upper limb, unspecified level                              |
| 178         | Z89209         | Z89209 Acquired absence of unspecified upper limb, unspecified level                       |
| 178         | Z89211         | Z89211 Acquired absence of right upper limb below elbow                                    |
| 178         | Z89212         | Z89212 Acquired absence of left upper limb below elbow                                     |
| 178         | Z89219         | Z89219 Acquired absence of unspecified upper limb below elbow                              |
| 178         | Z89221         | Z89221 Acquired absence of right upper limb above elbow                                    |
| 178         | Z89222         | Z89222 Acquired absence of left upper limb above elbow                                     |
| 178         | Z89229         | Z89229 Acquired absence of unspecified upper limb above elbow                              |
| 178         | Z89231         | Z89231 Acquired absence of right shoulder  |
| 178         | Z89232         | Z89232 Acquired absence of left shoulder   |
| 178         | Z89239         | Z89239 Acquired absence of unspecified shoulder  |

The list of ICD-10 codes used for the past year comorbidity adjustment

| <u>cc_n</u> | <u>ICD10CM</u> | <u>ICD10_ ICD10CM_desc</u>                 |
|-------------|----------------|--|
| 178         | Z899           | Z899 Acquired absence of limb, unspecified |

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