Report for the Standardized Transfusion Ratio NQF #2979

Submitted to CMS by the University of Michigan Kidney Epidemiology and Cost Center

June 22, 2017

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Introduction

As mandated by the Affordable Care Act (ACA), assuring delivery of high quality and affordable care requires reliable and meaningful quality measures that focus on important outcomes and processes, including patient experience, across the breadth of the healthcare system (CMS, 2013). This view has reinforced CMS' stated goal of providing the highest quality of evidence-based care, which is personalized, prevention-oriented and patient-centered. Achieving this goal requires development of measures that incorporate heterogeneities at both population and individual levels, across traditional institutional or provider domains to address coordination and continuity of care, and focus on outcomes most important to patients. In addition, measures ought to address the efficiency of care delivery at the individual and population levels in order to support value-based purchasing initiatives, and to foster a delivery system that works efficiently for providers by reducing their administrative burdens, while facilitating coordinated care. Most importantly, measures should incorporate the evidence-based results of the latest high quality research and scientific advances in health outcomes research, clinical medicine, public health, and health care delivery. Anemia management in chronic dialysis patients is a complex clinical issue of importance to patients, providers and healthcare administrators. Development of quality measures for this clinical topic reflecting the aforementioned principles is necessary and appropriate in this time of rapidly evolving understanding of the risks and potential benefits of anemia treatments in this population.

Anemia is a complication of end stage renal disease (ESRD), affecting most patients with this condition. Management of anemia in ESRD patients is the responsibility of the patient's dialysis facility as specified in CMS' ESRD Conditions for Coverage and paid for as part of the Medicare ESRD Prospective Payment System. According to FDA Prescribing Information, goals of successful treatment should include minimization of blood transfusion risk. According to some, additional potential benefits of anemia treatment may include improvement of the quality of life and health of dialysis patients.

Several recent scientific findings and Medicare ESRD Program policy changes likely impacted anemia management in dialysis facilities. These include identification of safety concerns associated with aggressive erythropoiesis-stimulating agent (ESA) use, expansion of the ESRD prospective payment System bundled payment to include payment for ESAs, and the development of the ESRD Quality Incentive Program. Potential unintended consequences of these events include possible underutilization of ESAs by dialysis facilities and, consequently, increasing frequency of red blood cell transfusion in the US chronic dialysis population.

The inverse relationship between achieved hemoglobin and transfusion events has been reported previously for Medicare dialysis patients (Ma, 1999; Collins, 2014) and for non-dialysis CKD patients treated in the Veterans Administration system (Lawler, 2010). Unpublished analyses of Medicare Claims data presented at CMS Technical Expert Panel in May 2012 demonstrate an inverse association between achieved hemoglobin and subsequent transfusion rise using more recent data from 2008-2011. In early 2012, a highly publicized USRDS study presented at the NKF Clinical meeting reported increased dialysis patient transfusion rates in 2011 compared to 2010. UM-KECC and Arbor Research collaborators have recently presented an analysis of transfusion events in Medicare dialysis patients from 2009-2011, observing increased transfusions in 2011, although the magnitude of change in transfusion rates was much lower than reported by the USRDS. (Hirth, 2014).

The national trend toward increased use of transfusion in dialysis patients has raised several concerns. First, blood transfusion carries a defined risk of transmitted blood borne infections and development of

transfusion reactions. In addition, use of transfusions to treat anemia of CKD is wasteful of precious healthcare resources, including our finite blood supply used for emergent medical indications. Lastly, greater exposure to human leukocyte antigens, present in transfused blood, may increase anti-HLA antibodies in kidney transplant candidates, resulting in reduced access to kidney transplantation.

At the patient level, blood transfusion may be an indicator for underutilization of treatments that increase endogenous red blood cell production (e.g. ESA, iron). Monitoring the risk-adjusted transfusion rate at the dialysis facility level, relative to a national standard, is of particular importance for the following reasons. First, it will identify facilities with extraordinary transfusion rates. As providers use fewer ESAs in an effort to minimize the risks associated with aggressive anemia treatment, it becomes more important to monitor anemia management practices that may demonstrate an overreliance on transfusions. Second, implementation of the transfusion measure at the facility level will provide valuable feedback to dialysis facilities and nephrologists and bring increased transparency to anemia management care processes. This is especially vital for small and independent facilities as they continue to provide anemia management care to dialysis patients, working to prevent unnecessary transfusions.

Measure Revision

In response to feedback from the dialysis community, the revised STrR measure incorporates a more restricted definition of transfusion events than the original version of STrR (reported in the ESRD QIP for PY2018-2020). The revised definition excludes inpatient transfusion events for claims that include only 038 or 039 revenue codes without an accompanying ICD-9 (or ICD-10) Procedure Code or Value Code. In the revised measure, all inpatient transfusion events include, at a minimum, an appropriate ICD-9 (or ICD-10) Procedure Code or Value Code. This more conservative definition of transfusion events is used to calculate the revised STrR. This more restricted definition of transfusion events results in a reduced total number of events identified as well as the range of total events for dialysis facilities.

Methods

Overview

In April 2012, a CMS Technical Expert Panel (TEP) on anemia management recommended development of a risk-adjusted, facility-level standardized transfusion measure. We subsequently developed the STrR, a measure of transfusion at the facility level for the purpose of dialysis patient anemia management in the U.S. We identify Medicare-covered transfusions and exclude ineligible cases associated with each patient's comorbidity and transplant hospitalization history, using Medicare administrative data, which we derived from inpatient, outpatient institutional, home health, hospice and skilled nursing facility claims.

The Standardized Transfusion Ratio (STrR) for all adult dialysis patients is designed to reflect the number of eligible red blood cell transfusion events occurring in patients dialyzing at a facility, relative to the number of eligible transfusions that would be expected under a national norm, after accounting for the patient characteristics within each facility. Specifically, the STrR is calculated as the ratio of two numbers: the numerator ("observed") is the actual number of transfusion events over a year period, and the denominator ("expected") is the number of transfusion events that would be expected if patients at that facility experienced transfusion events at the national average rate for patients with similar characteristics.

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), the National Vascular Access Improvement Initiative's Fistula First Catheter Last project (in CROWNWeb since May 2012), Medicare dialysis and hospital payment records, transplant data from the Organ Procurement and Transplant Network (OPTN), the Nursing Home Minimum Dataset, the Quality Improvement Evaluation System (QIES) Workbench, which includes data from the Certification and Survey Provider Enhanced Report System (CASPER), the Dialysis Facility Compare (DFC) and the Social Security Death Master File. The database is comprehensive for Medicare patients. Non-Medicare patients are included in all sources except for the Medicare payment records. CROWNWeb provides tracking by dialysis provider and treatment modality for non-Medicare patients. Information on hospitalizations is obtained from Part A Medicare Inpatient Claims Standard Analysis Files (SAFs), and past-year comorbidity is obtained from multiple Part A types (inpatient, home health, hospice, skilled nursing facility claims) and Part B outpatient types of Medicare Claims SAFs.

Information on transfusions is obtained from Medicare Inpatient and Outpatient Claims Standard Analysis Files (SAFs).

Outcome Definition

The outcome for this measure is the risk adjusted facility level transfusion event count among adult Medicare eligible dialysis patients.

Identification of Transfusion Events

Our method for counting transfusion events relies on a conservative counting algorithm and, because of the way transfusion information is reported in Medicare claims, we use different rules for counting transfusion events, depending on whether or not the event occurs in the inpatient setting, or an outpatient setting. The most common way that events are reported on claims is by reporting a revenue center, procedure, or value code (inpatient claims) or for outpatient claims, reporting Healthcare Common Procedure Coding System (HCPCS) codes with at least one revenue center codes.

One "transfusion event" is counted per inpatient claim if one or more transfusion-related procedure or value codes are present. We only count a single transfusion event for an inpatient claim regardless of the number of transfusion procedure and value codes reported so that the number of discrete events counted is the same whether the claim indicates 1 unit of blood or multiple units of blood. This results in a very conservative estimate of blood transfusions from inpatient claims.

Transfusion events are not common in outpatient settings, but similar rules apply. One or more transfusion-related HCPCS codes with at least one transfusion-related revenue center codes, or one or more transfusion-related value codes listed on an outpatient claim are counted as a single transfusion event regardless of the number of units of blood recorded. In other words, 3 units of blood would be counted as a single transfusion event. The detailed procedures to determine unique transfusion events at the claim level are included in Appendix II.

Cohort Definition

Assignment of Patients to Facilities

As patients can receive dialysis treatment at more than one facility in a given year, we assign each patient day to a facility (or no facility, in some cases) based on a set of conventions below, which largely align with those for the Standardized Mortality Ratio (SMR) and Standardized Hospitalization Ratio (SHR). We detail patient inclusion criteria, facility assignment and how to count days at risk, all of which are required for the risk adjustment model.

General Inclusion Criteria for Dialysis Patients

Though a patient's follow-up in the database can be incomplete during the first 90 days of ESRD therapy, we only include a patient's follow-up into the tabulations after that patient has received chronic renal replacement therapy for at least 90 days. Thus, hospitalizations, mortality and survival during the first 90 days of ESRD do not enter into the calculations. This minimum 90-day period also assures that most patients are eligible for Medicare, either as their primary or secondary insurer. It also excludes from analysis patients who die or recover during the first 90 days of ESRD.

In order to exclude patients who only received temporary dialysis therapy, we assigned patients to a facility only after they had been on dialysis there for at least 60 days. This 60 day period is used any time a patient begins therapy at a new facility whether the patient transferred from another facility, started ESRD for the first time, or returned to dialysis after a transplant. That is, transfusion events during the first 60 days of dialysis at a facility do not affect the STrR of that facility.

Identifying Facility Treatment Histories for Each Patient

For each patient, we identify the dialysis provider at each point in time. Starting with day 91 after onset of ESRD, we attribute patients to facilities according to the following rules. A patient is attributed to a facility once the patient has been treated there for 60 days. When a patient transfers from one facility to another, the patient continues to be attributed to the original facility for 60 days and then is attributed to the destination facility. In particular, a patient is attributed to their current facility on day 91 of ESRD if that facility had treated him or her for at least 60 days. If on day 91, the facility had treated a patient for fewer than 60 days, we wait until the patient reaches day 60 of treatment at that facility before attributing the patient to that facility. When a patient is not treated in a single facility for a span of 60 days (for instance, if there were two switches within 60 days of each other), we do not attribute that patient to any facility. Patients are removed from facilities three days prior to transplant in order to exclude the transplant hospitalization. Patients who withdrew from dialysis or recovered renal function remain assigned to their treatment facility for 60 days after withdrawal or recovery.

If a period of one year passes with neither dialysis claims nor CROWNWEB/SIMS information to indicate that a patient was receiving dialysis treatment, we consider the patient lost to follow-up and do not include that patient in the analysis. If dialysis claims or other evidence of dialysis reappears, the patient is entered into analysis after 60 days of continuous therapy at a single facility.

Days at Risk for Medicare Dialysis Patients

After patient treatment histories are defined as described above, periods of follow-up in time since ESRD onset are created for each patient. In order to adjust for duration of ESRD appropriately, we define 6 time intervals with cut points at 6 months, 1 year, 2 years, 3 years and 5 years. A new time period

begins each time the patient is determined to be at a different facility, or at the start of each calendar year or when crossing any of the above cut points.

Transfusion rates are similar to hospitalization rates in that patients can be transfused more than once during a year and transfusion data are not always as complete as mortality data. As with the hospitalization statistics, this measure should ideally include only patients whose Medicare billing records include all transfusions for the period. To achieve this goal, we apply the same rules as for the hospitalization measure and require that patients reach a certain level of Medicare dialysis bills to be included in transfusion statistics, or patients have a Medicare inpatient claim during the period. For the purpose of analysis, each patient's follow-up time is broken into periods defined by time since dialysis initiation. For each patient, months within a given period are included if that month in the period is considered 'eligible'; a month is deemed eligible if it is within two month of a month having at least \$900 of Medicare—paid dialysis claims or at least one Medicare inpatient claim. In setting this criterion, our aim is to achieve completeness of information on transfusions for all patients included in the analysis.

The number of days at risk in each of these patient-ESRD-year-facility time periods is used to calculate the expected number of transfusions for the patient during that period. The STrR for a facility is the ratio of the total number of observed transfusions to the total number of expected transfusions during all time periods at the facility.

Risk Adjustment

Choosing Adjustment Factors

Some general considerations played an important role in the selection of risk factors for which adjustment was to be made. For example, the literature suggests that transfusions are more common in patients with higher overall comorbidity burden, and occur most often during hospitalizations. From this perspective, it is appropriate to risk adjust the model for characteristics that are generally associated with comorbidity burden. Adjustment factors included in the calculation of the STrR are those included in the model for CMS' NQF-endorsed Standardized Hospitalization Ratio (SHR) for admissions, (http://www.dialysisreports.org/pdf/esrd/public/shrmodel.xls; NQF #1463 http://www.qualityforum.org/QPS/1463), with one exception: sex is adjusted for in the SHR but not included in the STrR model. The STrR adjustments include age, years on dialysis, patient comorbidities at incidence, patient BMI at incidence, and nursing home status of patient.

We developed the model to align with CMS' existing dialysis facility measures of hospitalization and mortality (SHR and SMR). STrR includes the following adjustors:

- patient age
- o diabetes mellitus as the primary cause of ESRD
- o at incidence of ESRD, comorbidity status
- o at incidence of ESRD, BMI
- o duration of ESRD treatment
- o an indicator for whether a patient was in a nursing home in the previous calendar year
- categorical indicators for missing values for cause of ESRD, comorbidities at incidence, and BMI. Another categorical indicator variable is included as a covariate in the stage 1 model to flag records where the patient has at least one of the incident comorbidities.
- o calendar year

- two way interaction terms
 - diabetes as cause of ESRD * time on ESRD
 - age * diabetes as cause of ESRD

Analyses of the STrR by race, sex and ethnicity indicate relatively little variation and no disparities substantial to the measure among these groups. Although females are somewhat more likely to receive transfusions than males, analyses showed that a model with variables for race and sex included and a model without these variables yielded very similar results for the facility STrR as well as similar parameter estimates for the other covariates. The data below shows the parameter estimates for the race, sex and ethnicity variables included in the model containing the other covariates listed above.

Table 1. Parameter estimates for the race, sex and ethnicity variables.

Race/Sex/Ethnicity	Estimate	Standard Error	P-Value
Females	0.168	0.004	<.0001
Native American*	-0.075	0.023	0.001
Asian*	-0.207	0.012	<.0001
Black*	-0.046	0.005	<.0001
Other Race*	0.090	0.045	0.044
Hispanic #	-0.181	0.007	<.0001

^{*}White as reference

Adjustment in STrR

The regression model used to compute a facility's "expected" number of transfusions for the STrR measure contains many factors associated with frequency of hospitalization and thought to be associated with transfusion event rates. Specifically, the model adjusts for patient age, diabetes, duration of ESRD, nursing home status, BMI at incidence, comorbidities at incidence, and calendar year. This model allows the baseline transfusion rates to vary between strata (facilities), but assumes that the regression coefficients are the same across all strata; this approach is robust to possible differences between facilities in the patient mix being treated.

The patient characteristics included in the stage 1 model as covariates are

- Age: We determine each patient's age from the birth date provided in the CROWNWeb and REMIS databases. Medicare claims and his/her Medical Evidence Form (CMS-2728) are used as check to verify birthdate (in the event of an error in the first three sources).
 Patients are grouped into the following categories:, 18-24 years old, 25-44 years old, 45-59 years old, 60-74 years old, or 75+ years old.
- Diabetes as cause of ESRD: We determine each patient's primary cause of ESRD from his/her CMS-2728, and the CROWNWeb and REMIS databases.
- Duration of ESRD: We determine each patient's length of time since start of ESRD treatment using his/her CMS-2728, claims history (all claim types), the SIMS database and the SRTR database and categorize as 91 days-6 months, 6 months-1 year, 1-2 years, 2-3 years, 3-5 years, or 5+ years as of the period start date.

[#] Non-Hispanic as reference

- Nursing home status: Using the Nursing Home Minimum Dataset, we determine if a patient was in a nursing home the previous year.
- BMI at incidence: We calculate each patient's BMI as the height and weight provided on his/her CMS 2728. BMI is included as a log-linear term.
- Comorbidities at incidence are determined using a selection of comorbidities reported on
 the CMS-2728 namely, alcohol dependence, atherosclerotic heart disease, cerebrovascular
 disease, chronic obstructive pulmonary disease, congestive heart failure, diabetes (includes
 currently on insulin, on oral medications, without medications, and diabetic retinopathy),
 drug dependence, inability to ambulate, inability to transfer, malignant neoplasm, cancer,
 other cardiac disease, peripheral vascular disease, and tobacco use (current smoker). Each
 comorbidity is included as a separate covariate in the model.
- Calendar year
- Categorical indicator variables are included as covariates in the stage I model to account for records with missing values for cause of ESRD, comorbidities at incidence (missing CMS-2728), and BMI. These variables have a value of 1 if the patient is missing the corresponding variable and a value of 0 otherwise. Another categorical indicator variable is included as a covariate in the stage 1 model to flag records where the patient has at least one of the incident comorbidities listed earlier. This variable has a value of 1 if the patient has at least one of the comorbidities and a value of 0 otherwise.

Beside main effects, two-way interaction terms between age and duration and cause of ESRD are also included:

- Diabetes as cause of ESRD*Duration of ESRD
- Diabetes as cause of ESRD*Age

Comorbidity Exclusions

In addition to the aforementioned general risk-adjustments, the STrR risk adjustment paradigm utilizes several exclusions described here. For all patients, time at risk began at the start of the facility treatment period and continued until the earliest occurrence of the following: three days prior to a transplant; date of death; end of facility treatment; or December 31 of the year. This convention is used with other dialysis facility measures developed and previously endorsed by NQF (like SHR NQF #1463 http://www.qualityforum.org/QPS/1463).

Patient time at risk is also excluded if there is a Medicare claim (Part A inpatient, home health, hospice, and skilled and nursing facility claims; Part B outpatient and physician supplier) for hemolytic and aplastic anemia, solid organ cancer (breast, prostate, lung, digestive tract and others), lymphoma, carcinoma in situ, coagulation disorders, multiple myeloma, myelodysplastic syndrome and myelofibrosis, leukemia, head and neck cancer, other cancers (connective tissue, skin, and others), metastatic cancer, or sickle cell anemia within one year of their patient at risk time. The 2012 Anemia TEP felt that development of a risk-adjustment strategy encompassing these specific comorbidity categories for use in the facility-level transfusion metric was critically important. These prevalent comorbidities define a sub-population of patients who are at increased risk of blood transfusions, and in addition, are less likely to respond to recommended doses of exogenous ESAs. Furthermore, they are likely at increased risk for ESA-related complications. Lastly, the TEP members agreed that the aforementioned comorbidities were outside the sphere of influence of the dialysis facilities. The TEP considered additional comorbidities but recommended against their use in the risk-adjustment paradigm if the comorbidity could potentially be the result of care provided by the dialysis facility. A full

list of ICD-9 and 10 codes used for exclusions can be found here: https://dialysisdata.org/sites/default/files/content/Methodology/CodesForDFC.pdf

Since these comorbidities are associated with higher risk of transfusion and require different anemia management practices that this measure is not intended to address, every patient's risk window is modified to have at least 1 year free of claims that contain diagnoses on the exclusion list. We assessed the predictive power of comorbidities on future transfusions, as a function of the time interval between development of the comorbidity and the occurrence of the transfusion by performing multivariate logistic regression with transfusion count as the dependent variable. Results showed that 1-year look back period for each of the above mentioned comorbidities was the most predictive of one or more RBC transfusions.

Figure 1 describes the inclusion and exclusion period of a hypothetical patient.

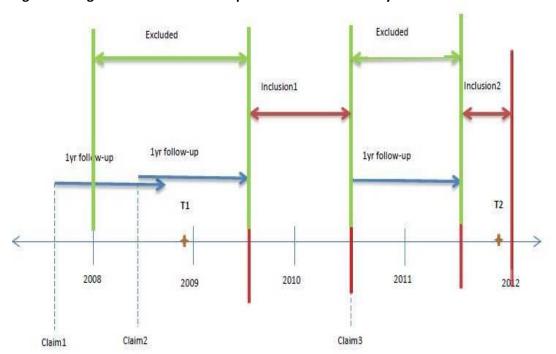


Figure 1: Algorithm for exclusion of periods of time within 1 year of an exclusion comorbidity

In the figure, a hypothetical patient has patient years at risk at a facility from 1/1/2008 to 12/31/2011. Review of Medicare claims identified presence of one or more exclusion comorbidities in 2007 (Claim1), 2008 (Claim2) and 2010 (Claim3). Each claim is followed by a one year exclusion period. The revised inclusion periods are defined as risk windows with at least 1 year of claim-free period (Inclusion1 and Inclusion2 in figure). The patient has two transfusion events, marked as T1 and T2 in late 2008 and late 2011 respectively. However, since T1 falls in the exclusion period, it will not be counted towards the facility's transfusion count as presence of exclusion comorbidity claims within a year might have increased the risk of transfusion unrelated to dialysis facility anemia management practice. However, T2, which occurs in late 2011 and in Inclusion2 period, will be counted since there is at least a year gap between this transfusion event and the last claim observed.

Calculating Expected Number of Transfusions

The denominator of the STrR stems from a proportional rates model (Lawless and Nadeau, 1995; Lin et al., 2000; Kalbfleisch and Prentice, 2002). This is the recurrent event analog of the well-known proportional hazards or Cox model (Cox, 1972; Kalbfleisch and Prentice, 2002). To accommodate large-scale data, we adopt a model with piecewise constant baseline rates (e.g. Cook and Lawless, 2007) and the computational methodology developed in Liu, Schaubel and Kalbfleisch (2012).

The modeling process has two stages. At **stage I**, a stratified model is fitted to the national data with piecewise-constant baseline rates and stratification by facility. Specifically, the model is of the following form

 $Pr(\text{transfusion on day } t \text{ given covariates } X) = r_{0k}(t) \exp(\mathbf{6}' \mathbf{X}_{ik})$

where X_{ik} is the vector of covariates for the (i,k)th patient and $\mathbf{6}$ is the vector of regression coefficients. The baseline rate function $r_{Ok}(t)$ is assumed specific to the k^{th} facility, which is assumed to be a step function with break points at 6 months, 1 year, 2 years, 3 years and 5 years since the onset of dialysis. This model allows the baseline transfusion rates to vary between strata (facilities), but assumes that the regression coefficients are the same across all strata; this approach is robust to possible differences between facilities in the patient mix being treated. The stratification on facilities is important in this phase to avoid bias due to possible confounding between covariates and facility effects.

The patient characteristics X_{ik} included in the stage I model are age (18-24 years old, 25-44 years old, 45-59 years old, 60-74 years old, or 75+ years old), cause of ESRD (diabetes or other), duration of ESRD (91 days-6 months, 6 months-1 year, 1-2 years, 2-3 years, 3-5 years, or 5+ years as of the period start date), nursing home status, BMI at incidence, comorbidities at incidence, calendar year, and two-way interaction terms between age and duration and cause of ESRD. Nursing home status is identified as in or not in a nursing home in the previous calendar year. Each status of comorbidities at incidence is included as a separate covariate in the model. BMI is included as a log-linear term. Categorical indicator variables are included as covariates in the stage I model to account for records with missing values for cause of ESRD, comorbidities at incidence (missing CMS-2728), and BMI. These variables have a value of 1 if the patient is missing the corresponding piece of information and a value of 0 otherwise. These variables have a value of 1 if the patient is missing the corresponding piece of information and a value of 0 otherwise. Another two categorical indicator variables are included to flag records with having no comorbidities and having at least one comorbidity at incidence reported on the Medical Evidence Form. These variables have a value of 1 if the patient is having no comorbidities or having at least one comorbidity and a value of 0 otherwise.

At **stage II**, the relative risk estimates from the first stage are used to create offsets and an unstratified model is fitted to obtain estimates of an overall baseline rate function. That is, we estimate a common baseline rate of transfusions, $r_0(t)$, across all facilities by considering the model

 $Pr(\text{transfusion on day } t \text{ given covariates } X) = r_0(t) R_{ik}$

where $R_{ik} = \exp(\mathbf{6}'\mathbf{X}_{ik})$ is the estimated relative risk for patient i in facility k estimated from the stage I. In our computation, we assume the baseline to be a step function with 6 unknown parameters, α_1 , ..., α_6 ,

to estimate. These estimates are used to compute the expected number of transfusions given a patient's characteristics.

Specifically, let t_{iks} represent the number of days that patient i from facility k is under observation in the sth time interval with estimated rate α_s . The corresponding expected number of transfusions in the sth interval for this patient is calculated as

$$E_{iks} = \alpha_s t_{iks} R_{ik}$$

It should be noted that \mathbf{t}_{iks} and hence \mathbf{E}_{iks} can be 0 if patient i from facility k is never at risk during the sth time interval. Summing the \mathbf{E}_{iks} over all 6 intervals and all N_k patients in a given facility,k, gives

$$E = \sum_{i=1}^{N} \sum_{s=1}^{6} E_{iks} = \sum_{i=1}^{N} \sum_{s=1}^{6} \alpha_{s} t_{iks} R_{ik}$$

which is the expected number of transfusions during follow-up at that facility.

Let **O** be the observed total number of transfusions at this facility. The STrR for transfusions is the ratio of the observed total transfusions to this expected value, or

$$STrR = O/E$$

Missing Data

Patients with missing data are not excluded from the model. For the purposes of calculation, missing values for BMI are replaced with mean values for patients of similar age and identical race, sex, and cause of ESRD. Missing values for cause of ESRD are replaced with the other/unknown category. No patients were missing age, sex, or date of first ESRD treatment. Indicator variables identifying patients with missing values for cause of ESRD, comorbidities at incidence (missing CMS-2728), and BMI are also included as covariates in the model.

Calculation of STrR P-Values and Confidence Intervals

To overcome the possible over-dispersion of the data, we compute the p-value for our estimates using the empirical null distribution, an approach that possesses more robustness (Efron, 2004; Kalbfleisch and Wolfe, 2013). Our algorithm consists of the following concrete steps. First, we fit an over-dispersed Poisson model (e.g., SAS PROC GENMOD with link=log, dist=poisson and scale=dscale) for the number of transfusions

$$\log(E[n_{ik}]) = \log(E_{ik}) + \theta_k$$

where \mathbf{n}_{ik} is the observed number of event for patient i in facility k, \mathbf{E}_{ik} is the expected number of events for patient i in facility k and $\mathbf{\theta}_k$ is the facility-specific intercept. Here, i ranges over the number of patients \mathbf{n}_{ik} who are treated in the kth facility. The natural log of the STrR for the kth facility is then given by the corresponding estimate of $\mathbf{\theta}_k$. The standard error of $\mathbf{\theta}_k$ is obtained from the robust estimate of variance arising from the overdispersed Poisson model.

Second, we obtain a z-score for each facility by dividing the natural log of its STrR by the standard error from the general linear model described above. These z-scores are then grouped into quartiles based on the number of patient years at risk for Medicare patients in each facility. Finally, using robust estimates

of location and scale based on the normal curve fitted to the center of the z-scores for the STrR, we derive the mean and variance of a normal empirical null distribution for each quartile. This empirical null distribution is then used to calculate the p-value for a facility's STrR.

Example

The uncertainty or confidence intervals are obtained by applying the following steps:

 From the general linear model we obtain the natural log of the STrR (In STrR) as well as its standard error, (SE). From the empirical null, we obtain a mean (μ) and a standard deviation (σ). The 95% uncertainty interval for the 'true' log standardized transfusion ratio for this facility is

In STrR -
$$\mu$$
 * SE \pm 1.96 * σ * SE.

Note that 1.96 is the critical point from the standard normal distribution for a 95% interval.

Exponentiating the endpoints of this interval gives the uncertainty interval for the true STrR.

For example, consider a hypothetical facility whose STrR is 0.927 for which In STrR = -0.076 with corresponding standard error, SE = 0.118. This facility falls in a quartile where the empirical null has μ = -0.143 and σ = 1.479. The corresponding uncertainty interval for the log STrR is

$$-0.076 - (-0.143)*0.118 \pm 1.96 *0.118*1.479 = (-0.401, 0.283).$$

The 95% interval for the true STrR is then 0.67 to 1.33.

Results

Population Characteristics*, Data Years 2011-2014

Table 2. Count of facilities, patients, and total patient years at risk.

Year	# of facilities	# of Patients	Total Patients Years at risk
2011	5774	387097	227935.62
2012	5943	398769	234847.09
2013	6170	415576	241082.06
2014	6415	429241	246710.49

Table 3. Parameter estimates for covariates in STrR model.

Covariate	Coefficient	P-value	
Cause of ESRD			
Diabetes	-0.118	<.0001	
Missing	0.188	<.0001	
Age			

Covariate	Coefficient	P-value
18-24	0.084	<.0001
25-44	-0.196	<.0001
45-59	-0.180	<.0001
60-74	Reference	
75+	0.035	<.0001
ВМІ		
Log BMI	-0.247	<.0001
BMI missing	0.024	0.190
Calendar year		
2011	Reference	
2012	0.068	<.0001
2013	0.027	<.0001
2014	-0.080	<.0001
In nursing home the previous year	0.489	<.0001
Diabetes as cause of ESRD & time on ESRD interaction term		
91 days-6 months	Reference	
6 months-1 year	0.068	0.001
1-2 years	0.128	<.0001
2-3 years	0.135	<.0001
3-5 years	0.090	<.0001
5+ years	0.044	0.014
Age & diabetes as cause of ESRD interaction term		
0-14		
15-24	0.166	0.090
25-44	0.228	<.0001
45-59	0.098	<.0001
60-74	Reference	
75+	0.008	0.445
Incident comorbidities		
atherosclerotic heart disease	0.071	<.0001
other cardiac disease	0.065	<.0001
congestive heart failure	0.049	<.0001
Inability to ambulate	0.108	<.0001
Chronic obstructive pulmonary disease	0.168	<.0001
Inability to transfer	0.097	<.0001
Cancer	0.008	0.541

Covariate	Coefficient	P-value
Diabetes	0.085	<.0001
Peripheral vascular disease	0.134	<.0001
Cerebrovascular disease	0.020	0.005
Tobacco use (current smoker)	0.135	<.0001
Alcohol dependence	0.117	<.0001
Drug dependence	0.097	<.0001
At least one incident comorbidity	0.088	<.0001
Incident comorbidity missing	0.068	0.008

Table 4. Model Coefficients

Covariate	Coefficient	P-value
Cause of ESRD		
Diabetes	-0.118	<.0001
Missing	0.188	<.0001
Age		
18-24	0.084	<.0001
25-44	-0.196	<.0001
45-59	-0.18	<.0001
60-74	Reference	
75+	0.035	<.0001
вмі		
Log BMI	-0.247	<.0001
BMI missing	0.024	0.19
Calendar year		
2011	Reference	
2012	0.068	<.0001
2013	0.027	<.0001
2014	-0.08	<.0001
In nursing home the previous year	0.489	<.0001
Diabetes as cause of ESRD & time on ESRD interaction term		
91 days-6 months	Reference	
6 months-1 year	0.068	0.001
1-2 years	0.128	<.0001
2-3 years	0.135	<.0001
3-5 years	0.09	<.0001
5+ years	0.044	0.014
Age & diabetes as cause of ESRD interaction term		

Covariate	Coefficient	P-value
0-14		
15-24	0.166	0.09
25-44	0.228	<.0001
45-59	0.098	<.0001
60-74	Reference	
75+	0.008	0.445
Incident comorbidities		
atherosclerotic heart disease	0.071	<.0001
other cardiac disease	0.065	<.0001
congestive heart failure	0.049	<.0001
inability to ambulate	0.108	<.0001
chronic obstructive pulmonary disease	0.168	<.0001
inability to transfer	0.097	<.0001
cancer	0.008	0.541
diabetes	0.085	<.0001
peripheral vascular disease	0.134	<.0001
cerebrovascular disease	0.02	0.005
tobacco use (current smoker)	0.135	<.0001
alcohol dependence	0.117	<.0001
drug dependence	0.097	<.0001
At least one incident comorbidity	0.088	<.0001
Incident comorbidity missing	0.068	0.008

Reliability Testing

The reliability of the STrR was assessed using data among ESRD dialysis patients during 2011-2014. 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. The inter-unit reliability (IUR) measures the proportion of the measure variability that is attributable to the between-facility variance. The STrR, 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 that cannot be directly estimated by ANOVA. A small IUR (near 0) reveals that most of the variation of the measures between facilities is driven by random noise, indicating the measure would not be a good characterization of the differences among facilities, whereas a large IUR (near 1) indicates that most of the variation between facilities is due to the real difference between facilities.

Here we describe our approach to calculating IUR. Let $T_1,...,T_N$ be the STrR for these facilities. Within each facility, select at random and with replacement B=100 bootstrap samples. That is, if the ith facility has n_i subjects, randomly draw with replacement n_i subjects from those in the same facility, find their corresponding STrR $_i$ and repeat the process 100 times. Thus, for the ith facility, we have bootstrapped STrRs of T_{i1}^* ..., 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 STrR, 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 STrR and

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

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 σ_b^2 is the between-facility variance, the true signal reflecting the differences across facilities. Thus, the IUR, which is defined by

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

$$(s_t^2 - s_{t,w}^2)/s_t^2$$

can be estimated with

The STrR calculation only included facilities with at least 10 patient years at risk. Overall, we found that IURs for the one-year STrR have a range of 0.60-0.66 across the years 2011, 2012, 2013 and 2014, which indicates that around two-thirds of the variation in the one-year STrR can be attributed to the betweenfacility differences and one-third 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 greater IUR.

Table 5: IUR for One-year STrR, Overall and by Facility Size, 2011-2014.

	2011		2012		2013		2014	
Facility Size	IUR	N	IUR	Ν	IUR	N	IUR	Ν
all	0.64	5142	0.66	5319	0.65	5442	0.60	5651
Small (<=46)	0.41	1714	0.41	1828	0.39	1840	0.30	1934
Medium (47–78)	0.55	1699	0.56	1753	0.55	1823	0.50	1941
Large (>=79)	0.78	1729	0.79	1738	0.79	1779	0.78	1776

Validity Testing

We examined STrR's correlations with the other measures of quality among ESRD population and reported significant correlation estimates. We assessed the validity of the measure through various comparisons of this measure with other quality measures in use, and in May 2012 there was an assessment of face validity based on polling of a CMS Technical Expert Panel (TEP).

Face Validity

Six out of six voting members of CMS's 2012 Technical Expert Panel voted to recommend development of a facility-level Standardized Transfusion Ratio measure. The consensus recommendation of that clinical expert panel included the recommendation to include risk adjustment for conditions that are associated with an increased risk of blood transfusion and in some cases, increased risk of ESA-associated adverse events, such as hereditary anemia, chronic bone marrow failure conditions and active cancer.

Association of STrR with other facility-level outcomes

Validity was assessed using Poisson regression models to measure the association between facility level the 2014 Standardized Mortality Ratio (SMR, NQF 0369) and 2014 Standardized Hospitalization Ratio (SHR, NQF 1463) and tertiles of STrR. Facility-level STrR were divided into tertiles (T1 to T3) and the relative risk (RR) of mortality (and hospitalization, separately) was calculated for each tertile, using the T1 as the reference group. Thus, a RR>1.0 would indicate a higher relative risk of mortality or hospitalization, compared to the highest performance tertile (T1) of STrR.

Tertiles of STrR were defined as follows:

T1: 0-<0.66

T2: 0.66-<1.15

T3: 1.15-<5.66

*T1 as Reference

Results from the Poisson model indicated that the STrR tertiles were significantly associated with both SMR and SHR.

For the 2014 SMR, the relative risk of mortality increased as the STrR tertiles increased from the reference group (tertile 1). For tertile 2, RR=1.06 (95% CI: 1.04, 1.08; p<0.001), and for tertile 3, RR=1.14 (95% CI: 1.12, 1.16; p<0.001).

Similarly for 2014 SHR, the relative risk of hospitalization increased as the STrR tertiles increased from the reference group (tertile 1) with the lowest risk in tertile 1. For tertile 2, RR=1.11 (95% CI: 1.10, 1.11; p<0.001), and for tertile 3, RR=1.29 (95% CI: 1.29, 1.30; p<0.001).

Association of STrR with facility-level intermediate anemia management outcome

Validity was also assessed using a Poisson regression model to measure the association between facility level STrR and tertiles of % of patients with Hgb < 10. Facility-level % of patients with Hgb < 10 were divided into tertiles (T1 to T3) and relative risk (RR) of transfusions were calculated for each tertile, using the T1 as the reference group. Thus, a RR>1.0 would indicate a higher relative risk of transfusion, compared to the highest performance tertile(T1) of % of patients with Hgb < 10.

Tertiles of % of patients with Hgb < 10 were defined as follows:

T1: 0-<9.5%

T2: 9.5%-<16.5%

T3: 16.5%-<85.3%

*T1 as Reference

Results from the Poisson model indicated that the % of patients with Hgb < 10 was significantly associated with the risks of transfusion.

The relative risk of transfusions increased as the tertiles of % of patients with Hgb < 10 increased from the reference group (tertile 1). For tertile 2, RR=1.15 (95% CI: 1.13, 1.18; p<0.001), and for tertile 3, RR=1.31 (95% CI: 1.28, 1.33; p<0.001).

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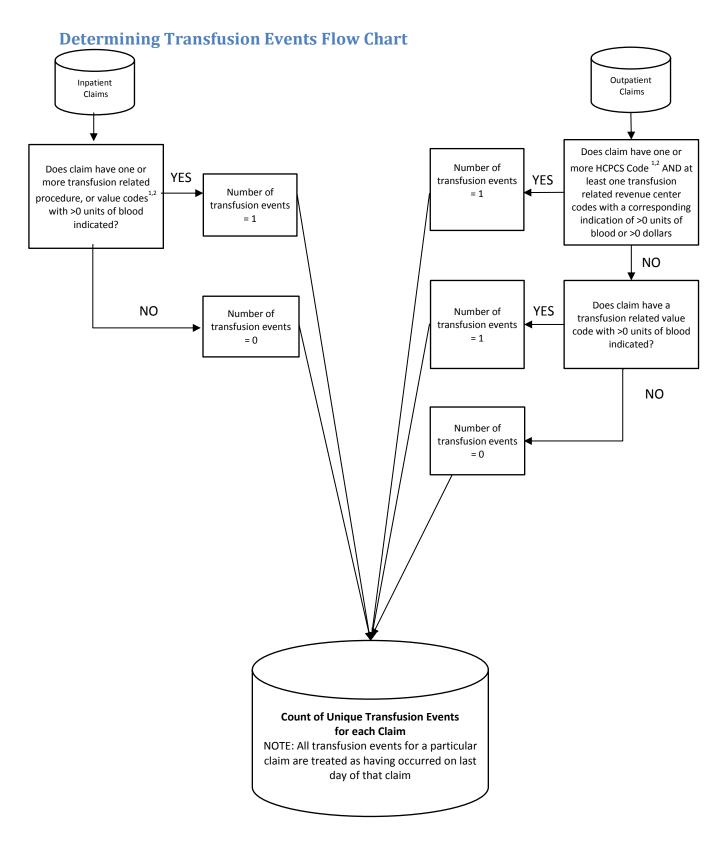
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Appendix Measure Calculation Flow Chart ≥ 90 days since ESRD onset ≥ 60 days since start of the treatment period at this facility < 60 days since transfer from this facility, Determine Placement Not in Patient withdrawal from dialysis or recovered **Dialysis Patient** Time at Each Facility Population renal function Treatment Excluding the 3 days prior to transplant History Files* Age >18 years YES Month is within two months after a month with either: \$900+ of Medicare-paid outpatient claims NC Determine Eligible Days with an indication of dialysis Not in Analysis Inpatient for Inclusion for Each OR and Outpatient Patient At least one Medicare inpatient claim Claims AND There has been at least one year since the end of the last Medicare claim with an indication of any of certain YES exclusionary comorbidity conditions.** Split eligible patients Define cut points at 6 months, 1 year, 2 periods for analysis years, 3 years, and 5 years since ESRD (eligible periods onset defined in the Begin a new time period at the start of previous step) each calendar year, or change in Medicare eligibility (as defined in previous step) Identify the Transfusions Events Inpatient that Occurred during and Outpatient See transfusion event flowchart (Appendix II) the Patient Periods Claim Detail All Eligible Patient Periods at Each Facility Adjusted for age, cause of ESRD, nursing home status, BMI at incidence, Model comorbidities at incidence, calendar year and interaction terms of age*cause of Adjusted National ESRD and duration of ESRD* cause of ESRD. Transfusion Rates Sum predicted values across patients in Total Number of Total Number of each facility. Observed Transfusion **Expected Transfusion Events for Each Facility** Events for each Facility NΩ STrR Not Calculated for Facility Do the Patient Periods at the Facility STrR = facility add up to at least 10 **Observed Events/** YES **Expected Events**

^{*}Multiple data sources include CMS Consolidated Renal Operations in a Web-enabled Network (CROWNWeb), the CMS Annual Facility Survey (Form CMS-2744), Medicare dialysis and hospital payment records, the CMS Medical Evidence Form (Form CMS-2728), transplant data from the Organ Procurement and Transplant Network (OPTN), the Death Notification Form (Form CMS-2746), the Dialysis Facility Compare (DFC) and the Social Security Death Master File.

^{**} Exclusionary comorbidity conditions: hemolytic and aplastic anemia, solid organ cancer (breast, prostate, lung, digestive tract and others), lymphoma, carcinoma in situ, coagulation disorders, multiple myeloma, myelodysplastic syndrome and myelofibrosis, leukemia, head and neck cancer, other cancers (connective tissue, skin, and others), metastatic cancer, sickle cell anemia.



¹ See Appendix III for the description of relevant revenue center codes, procedure codes, value codes and HCPCS codes.

² Transfusion related revenue center codes: 0380, 0381, 0382, 0389, 0390, 0391, 0392, 0399

Transfusion related procedure codes: 9903, 9904, 30230H1, 30233H1, 30240H1, 30243H1, 30250H1, 30253H1, 30260H1, 30263H1, 30230N1, 30233N1, 30233P1, 30240N1, 30240P1, 30243N1, 30250N1, 30250P1, 30253N1, 30253P1, 30260N1, 30260N1, 30263N1, and 30263P1

Transfusion related HCPCS codes: P9010, P9011, P9016, P9021, P9022, P9038, P9039, P9040, P9051, P9054, P9056, P9057, P9058, 36430

Description of Relevant Revenue Center Codes, Procedure Codes, Value Codes and HCPCS Codes.

Field	Value	Meaning
Revenue Center	0380	Blood - General Classification
Codes	0381	Blood - Packed Red Cells
	0382	Blood - Whole Blood
	0389	Blood - Other Blood
	0390	Blood Storage and Processing - General Classification
	0391	Blood Storage and Processing - Administration
	0392	Blood Storage and Processing - Blood Processing and Storage
	0399	Blood Storage and Processing - Other Storage & Processing
Procedure	9903	Other Transfusion Of Whole Blood
Codes	9904	Transfusion Of Packed Cells
	30230H1	Transfusion of Nonautologous Whole Blood into Peripheral Vein, Open Approach
	30233H1	Transfusion of Nonautologous Whole Blood into Peripheral
		Vein, Percutaneous Approach
	30240H1	Transfusion of Nonautologous Whole Blood into Central Vein,
		Open Approach
	30243H1	Transfusion of Nonautologous Whole Blood into Central Vein, Percutaneous Approach
	30250H1	Transfusion of Nonautologous Whole Blood into Peripheral Artery, Open Approach
	30253H1	Transfusion of Nonautologous Whole Blood into Peripheral Artery, Percutaneous Approach
	30260H1	Transfusion of Nonautologous Whole Blood into Central Artery, Open Approach
	30263H1	Transfusion of Nonautologous Whole Blood into Central Artery, Percutaneous Approach
	30230N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Vein, Open Approach
	30230P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral Vein, Open Approach
	30233N1	Transfusion of Nonautologous Red Blood Cells into Peripheral Vein, Percutaneous Approach
	30240N1	Transfusion of Nonautologous Red Blood Cells into Central Vein, Open Approach
	30240P1	Transfusion of Nonautologous Frozen Red Cells into Central Vein, Open Approach

	30243N1	Transfusion of Nonautologous Red Blood Cells into Central
		Vein, Percutaneous Approach
	30243P1	Transfusion of Nonautologous Frozen Red Cells into Central
		Vein, Percutaneous Approach
	30250N1	Transfusion of Nonautologous Red Blood Cells into Peripheral
		Artery, Open Approach
	30250P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral
		Artery, Open Approach
	30253N1	Transfusion of Nonautologous Red Blood Cells into Peripheral
		Artery, Percutaneous Approach
	30253P1	Transfusion of Nonautologous Frozen Red Cells into Peripheral
		Artery, Percutaneous Approach
	30260N1	Transfusion of Nonautologous Red Blood Cells into Central
		Artery, Open Approach
	30260P1	Transfusion of Nonautologous Frozen Red Cells into Central
		Artery, Open Approach
	30263N1	Transfusion of Nonautologous Red Blood Cells into Central
		Artery, Percutaneous Approach
	30263P1	Transfusion of Nonautologous Frozen Red Cells into Central
		Artery, Percutaneous Approach
Value Code	37	Pints of blood furnished
HCPCS Codes	P9010	Whole blood for transfusion
	P9011	Blood split unit
	P9016	RBC leukocytes reduced
	P9021	Red blood cells unit
	P9022	Washed red blood cells unit
	P9038	RBC irradiated
	P9039	RBC deglycerolized
	P9040	RBC leukoreduced irradiated
	P9051	Blood, l/r, cmv-neg
	P9054	Blood, I/r, froz/degly/wash
	P9056	Blood, I/r, irradiated
	P9057	Red blood cells, frozen/deglycerolized/washed, leukocytes
		reduced, irradiated, each unit
	P9058	RBC, I/r, cmv-neg, irrad
	36430	Current Procedural Terminology (CPT) code (transfusion, blood
		or blood components)

Comorbidity	ICD-10 Diagnosis Code	Description
Carcinoma	2300	Carcinoma in situ of lip, oral cavity, and pharynx
Carcinoma	2301	Carcinoma in situ of esophagus
Carcinoma	2302	Carcinoma in situ of stomach
Carcinoma	2303	Carcinoma in situ of colon
Carcinoma	2304	Carcinoma in situ of rectum
Carcinoma	2305	Carcinoma in situ of anal canal
Carcinoma	2306 2307	Carcinoma in situ of anus, unspecified
Carcinoma	2308	Carcinoma in situ of other and unspecified parts of intestine
Carcinoma Carcinoma	2309	Carcinoma in situ of liver and biliary system Carcinoma in situ of other and unspecified digestive organs
Carcinoma	2310	Carcinoma in situ of larynx
Carcinoma	2311	Carcinoma in situ of trachea
Carcinoma	2312	Carcinoma in situ of tracinea
Carcinoma	2318	Carcinoma in situ of other specified parts of respiratory system
Carcinoma	2319	Carcinoma in situ of respiratory system, part unspecified
Carcinoma	2330	Carcinoma in situ of breast
Carcinoma	2331	Carcinoma in situ of cervix uteri
Carcinoma	2332	Carcinoma in situ of other and unspecified parts of uterus
Carcinoma	2333	Carcinoma in situ, unspecified female genital organ
Carcinoma	23330	Carcinoma in situ, unspecified female genital organ
Carcinoma	23331	Carcinoma in situ, vagina
Carcinoma	23332	Carcinoma in situ, vulva
Carcinoma	23339	Carcinoma in situ, other female genital organ
Carcinoma	2334	Carcinoma in situ of prostate
Carcinoma	2335	Carcinoma in situ of penis
Carcinoma	2336	Carcinoma in situ of other and unspecified male genital organs
Carcinoma	2337	Carcinoma in situ of bladder
Carcinoma	2339	Carcinoma in situ of other and unspecified urinary organs
Carcinoma	2340	Carcinoma in situ of eye
Carcinoma	2348	Carcinoma in situ of other specified sites
Carcinoma	2349	Carcinoma in situ, site unspecified
Coagulation	2860	Congenital factor VIII disorder
Coagulation	2861	Congenital factor IX disorder
Coagulation	2862	Congenital factor XI deficiency
Coagulation	2863	Congenital deficiency of other clotting factors
Coagulation	2864	Von Willebrand's disease
Coagulation	2865	Hemorrhagic disorder due to intrinsic circulating anticoagulants
Coagulation	28652	Acquired hemophilia
Coagulation	28653	Antiphospholipid antibody with hemorrhagic disorder
Coagulation	28659	Other hemorrhagic disorder due to intrinsic circulating anticoagulants, antibodies, or inhibitors
Coagulation	2866	Defibrination syndrome Acquired cognitation factor deficiency
Coagulation	2867 2869	Acquired coagulation factor deficiency Other and unposified coagulation defects
Coagulation Head/Neck Cancer	140	Other and unspecified coagulation defects Malignant neoplasm of lip
Head/Neck Cancer	1400	Malignant neoplasm of upper lip, vermilion border
Head/Neck Cancer	1401	Malignant neoplasm of lower lip, vermilion border
Head/Neck Cancer	1402	Wangilant neoplasm of lower up, verminor border
Head/Neck Cancer	1403	Malignant neoplasm of upper lip, inner aspect
Head/Neck Cancer	1404	Malignant neoplasm of lower lip, inner aspect
Head/Neck Cancer	1405	Malignant neoplasm of lip, unspecified, inner aspect
Head/Neck Cancer	1406	Malignant neoplasm of commissure of lip
Head/Neck Cancer	1408	Malignant neoplasm of other sites of lip
Head/Neck Cancer	1409	Malignant neoplasm of lip, unspecified, vermilion border
Head/Neck Cancer	141	Malignant neoplasm of tongue
Head/Neck Cancer	1410	Malignant neoplasm of base of tongue
Head/Neck Cancer	1411	Malignant neoplasm of dorsal surface of tongue
Head/Neck Cancer	1412	Malignant neoplasm of tip and lateral border of tongue
Head/Neck Cancer	1413	Malignant neoplasm of ventral surface of tongue
Head/Neck Cancer	1414	Malignant neoplasm of anterior two-thirds of tongue, part unspecified
Head/Neck Cancer	1415	Malignant neoplasm of junctional zone of tongue
Head/Neck Cancer	1416	Malignant neoplasm of lingual tonsil
Head/Neck Cancer	1418	Malignant neoplasm of other sites of tongue
Head/Neck Cancer	1419	Malignant neoplasm of tongue, unspecified
Head/Neck Cancer	142	Malignant neoplasm of major salivary glands
Head/Neck Cancer	1420	Malignant neoplasm of parotid gland
Head/Neck Cancer	1421	Malignant neoplasm of submandibular gland
Head/Neck Cancer	1422	Malignant neoplasm of sublingual gland
Head/Neck Cancer	1428	Malignant neoplasm of other major salivary glands
Head/Neck Cancer	1429	Malignant neoplasm of salivary gland, unspecified
Head/Neck Cancer	143	Malignant neoplasm of gum
Head/Neck Cancer	1430	Malignant neoplasm of upper gum
Head/Neck Cancer	1431	Malignant neoplasm of lower gum
Head/Neck Cancer	1438	Malignant neoplasm of other sites of gum
Head/Neck Cancer	1439	Malignant neoplasm of gum, unspecified
Head/Neck Cancer	144	Malignant neoplasm of floor of mouth
Head/Neck Cancer	1440	Malignant neoplasm of anterior portion of floor of mouth
Head/Neck Cancer	1441	Malignant neoplasm of lateral portion of floor of mouth
Head/Neck Cancer	1448	Malignant neoplasm of other sites of floor of mouth

Comorbidity	ICD-10 Diagnosis Code	Description
Head/Neck Cancer	1449	Malignant neoplasm of floor of mouth, part unspecified
		- · · · · · · · · · · · · · · · · · · ·
Head/Neck Cancer	145	Malignant neoplasm of other and unspecified parts of mouth
Head/Neck Cancer	1450	Malignant neoplasm of cheek mucosa
Head/Neck Cancer	1451	Malignant neoplasm of vestibule of mouth
		- ,
Head/Neck Cancer	1452	Malignant neoplasm of hard palate
Head/Neck Cancer	1453	Malignant neoplasm of soft palate
Head/Neck Cancer	1454	Malignant neoplasm of uvula
		- ,
Head/Neck Cancer	1455	Malignant neoplasm of palate, unspecified
Head/Neck Cancer	1456	Malignant neoplasm of retromolar area
Head/Neck Cancer	1458	Malignant neoplasm of other specified parts of mouth
Head/Neck Cancer	1459	Malignant neoplasm of mouth, unspecified
Head/Neck Cancer	146	Malignant neoplasm of oropharynx
Head/Neck Cancer	1460	Malignant neoplasm of tonsil
Head/Neck Cancer	1461	Malignant neoplasm of tonsillar fossa
Head/Neck Cancer	1462	Malignant neoplasm of tonsillar pillars (anterior) (posterior)
Head/Neck Cancer	1463	Malignant neoplasm of vallecula epiglottica
Head/Neck Cancer	1464	Malignant neoplasm of anterior aspect of epiglottis
Head/Neck Cancer	1465	Malignant neoplasm of junctional region of oropharynx
Head/Neck Cancer	1466	Malignant neoplasm of lateral wall of oropharynx
		- , ,
Head/Neck Cancer	1467	Malignant neoplasm of posterior wall of oropharynx
Head/Neck Cancer	1468	Malignant neoplasm of other specified sites of oropharynx
Head/Neck Cancer	1469	Malignant neoplasm of oropharynx, unspecified site
Head/Neck Cancer	147	Malignant neoplasm of nasopharynx
Head/Neck Cancer	1470	Malignant neoplasm of superior wall of nasopharynx
Head/Neck Cancer	1471	Malignant neoplasm of posterior wall of nasopharynx
		9 , , ,
Head/Neck Cancer	1472	Malignant neoplasm of lateral wall of nasopharynx
Head/Neck Cancer	1473	Malignant neoplasm of anterior wall of nasopharynx
Head/Neck Cancer	1478	Malignant neoplasm of other specified sites of nasopharynx
		. ,
Head/Neck Cancer	1479	Malignant neoplasm of nasopharynx, unspecified site
Head/Neck Cancer	148	Malignant neoplasm of hypopharynx
Head/Neck Cancer	1480	Malignant neoplasm of postcricoid region of hypopharynx
Head/Neck Cancer	1481	Malignant neoplasm of pyriform sinus
Head/Neck Cancer	1482	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect
Head/Neck Cancer	1483	Malignant neoplasm of posterior hypopharyngeal wall
Head/Neck Cancer	1488	Malignant neoplasm of other specified sites of hypopharynx
Head/Neck Cancer	1489	Malignant neoplasm of hypopharynx, unspecified site
Head/Neck Cancer	149	Malignant neoplasms of other and ill-defined sites within the lip, oral cavity and pharynx
Head/Neck Cancer	1490	Malignant neoplasm of pharynx, unspecified
Head/Neck Cancer	1491	Malignant neoplasm of waldeyer's ring
Head/Neck Cancer	1498	Malignant neoplasm of other sites within the lip and oral cavity
		- ,
Head/Neck Cancer	1499	Malignant neoplasm of ill-defined sites within the lip and oral cavity
Head/Neck Cancer	160	Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses
Head/Neck Cancer	1600	Malignant neoplasm of nasal cavities
· .		- ·
Head/Neck Cancer	1601	Malignant neoplasm of auditory tube, middle ear, and mastoid air cells
Head/Neck Cancer	1602	Malignant neoplasm of maxillary sinus
Head/Neck Cancer	1603	Malignant neoplasm of ethmoidal sinus
		- ·
Head/Neck Cancer	1604	Malignant neoplasm of frontal sinus
Head/Neck Cancer	1605	Malignant neoplasm of sphenoidal sinus
Head/Neck Cancer	1608	Malignant neoplasm of other accessory sinuses
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Head/Neck Cancer	1609	Malignant neoplasm of accessory sinus, unspecified
Head/Neck Cancer	161	Malignant neoplasm of larynx
Head/Neck Cancer	1610	Malignant neoplasm of glottis
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Head/Neck Cancer	1611	Malignant neoplasm of supraglottis
Head/Neck Cancer	1612	Malignant neoplasm of subglottis
Head/Neck Cancer	1613	Malignant neoplasm of laryngeal cartilages
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Head/Neck Cancer	1618	Malignant neoplasm of other specified sites of larynx
Head/Neck Cancer	1619	Malignant neoplasm of larynx, unspecified
Head/Neck Cancer	164	Malignant neoplasm of thymus, heart and mediastinum
Head/Neck Cancer	1640	Malignant neoplasm of thymus
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Head/Neck Cancer	1641	Malignant neoplasm of heart
Head/Neck Cancer	1642	Malignant neoplasm of anterior mediastinum
Head/Neck Cancer	1643	Malignant neoplasm of posterior mediastinum
Head/Neck Cancer	1648	Malignant neoplasm of other parts of mediastinum
Head/Neck Cancer	1649	Malignant neoplasm of mediastinum, part unspecified
Head/Neck Cancer	165	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs
Head/Neck Cancer	1650	Malignant neoplasm of upper respiratory tract, part unspecified
Head/Neck Cancer	1658	Malignant neoplasm of other sites within the respiratory system and intrathoracic organs
Head/Neck Cancer	1659	Malignant neoplasm of ill-defined sites within the respiratory system
Hemolytic or Aplastic Anemia	282	Hereditary hemolytic anemias
Hemolytic or Aplastic Anemia	2820	Hereditary spherocytosis
Hemolytic or Aplastic Anemia	2821	Hereditary elliptocytosis
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Hemolytic or Aplastic Anemia	2822	Anemias due to disorders of glutathione metabolism
Hemolytic or Aplastic Anemia	2823	Other hemolytic anemias due to enzyme deficiency
Hemolytic or Aplastic Anemia	2824	Thalassemias
Hemolytic or Aplastic Anemia	28240	Thalassemia, Unspecified
Hemolytic or Aplastic Anemia	28241	Sickle-cell thalassemia without crisis
Hemolytic or Aplastic Anemia	28242	Sickle-cell thalassemia with crisis
Hemolytic or Aplastic Anemia	28243	Alpha thalassemia

Comorbidity	ICD-10 Diagnosis Code	Description
Hemolytic or Aplastic Anemia	28244	Beta thalassemia
Hemolytic or Aplastic Anemia	28245	Delta-beta thalassemia
Hemolytic or Aplastic Anemia	28246	Thalassemia minor
Hemolytic or Aplastic Anemia Hemolytic or Aplastic Anemia	28247	Hemoglobin E-beta thalassemia
Hemolytic or Aplastic Anemia	28249 2827	Other thalassemia Other hemoglobinopathies
Hemolytic or Aplastic Anemia	2828	Other specified hereditary hemolytic anemias
Hemolytic or Aplastic Anemia	2829	Hereditary hemolytic anemia, unspecified
Hemolytic or Aplastic Anemia	283	Acquired hemolytic anemias
Hemolytic or Aplastic Anemia	2830	Autoimmune hemolytic anemias
Hemolytic or Aplastic Anemia	2831	Non-autoimmune hemolytic anemias
Hemolytic or Aplastic Anemia	28310	Non-autoimmune hemolytic anemia, unspecified
Hemolytic or Aplastic Anemia	28311	Hemolytic-uremic syndrome
Hemolytic or Aplastic Anemia	28319	Other non-autoimmune hemolytic anemias
Hemolytic or Aplastic Anemia	2832	Hemoglobinuria due to hemolysis from external causes
Hemolytic or Aplastic Anemia	2839	Acquired hemolytic anemia, unspecified
Hemolytic or Aplastic Anemia	284	Constitutional aplastic anemia
Hemolytic or Aplastic Anemia	2840	Constitutional aplastic anemia
Hemolytic or Aplastic Anemia	28401	Constitutional red blood cell aplasia
Hemolytic or Aplastic Anemia	28409	Other constitutional aplastic anemia
Hemolytic or Aplastic Anemia	2841	Pancytopenia
Hemolytic or Aplastic Anemia	28411	Pancytopenia
Hemolytic or Aplastic Anemia	28412	Other drug induced pancytopenia
Hemolytic or Aplastic Anemia	28419	Other pancytopenia
Hemolytic or Aplastic Anemia	2842	Myelophthisis Otherweif in the letter was in the second of the second o
Hemolytic or Aplastic Anemia	2848	Other specified aplastic anemias
Hemolytic or Aplastic Anemia	28481	Red cell aplasia (acquired)(adult)(with thymoma)
Hemolytic or Aplastic Anemia	28489	Other specified aplastic anemias
Hemolytic or Aplastic Anemia Leukemia	2849 2031	Aplastic anemia, unspecified Plasma cell leukemia
Leukemia	20310	Plasma cell leukemia, without mention of having achieved remission
Leukemia	20310	Plasma cell leukemia, in remission
Leukemia	2031	Other immunoproliferative neoplasms
Leukemia	20380	Other immunoproliferative neoplasms, without mention of having achieved remission
Leukemia	20381	Other immunoproliferative neoplasms, in remission
Leukemia	204	Lymphoid leukemia
Leukemia	2040	Lymphoid leukemia, acute
Leukemia	20400	Acute lymphoid leukemia, without mention of having achieved remission
Leukemia	20401	Acute lymphoid leukemia, in remission
Leukemia	20402	Acute lymphoid leukemia, in relapse
Leukemia	2041	Lymphoid leukemia, chronic
Leukemia	20410	Chronic lymphoid leukemia, without mention of having achieved remission
Leukemia	20411	Chronic lymphoid leukemia, in remission
Leukemia	20412	Chronic lymphoid leukemia, in relapse
Leukemia	2042	Lymphoid leukemia, subacute
Leukemia	20420	Subacute lymphoid leukemia, without mention of having achieved remission
Leukemia	20421	Subacute lymphoid leukemia, in remission
Leukemia	20422	Subacute lymphoid leukemia, in relapse
Leukemia	2048	Lymphoid leukemia, other
Leukemia	20480	Other lymphoid leukemia, without mention of having achieved remission
Leukemia	20481	Other lymphoid leukemia, in remission
Leukemia	20482	Other lymphoid leukemia, in relapse
Leukemia	2049	Lymphoid leukemia, unspecified
Leukemia Leukemia	20490	Unspecified lymphoid leukemia, without mention of having achieved remission
Leukemia	20491 20492	Unspecified lymphoid leukemia, in remission Unspecified lymphoid leukemia, in relapse
Leukemia	20492	Myeloid leukemia
Leukemia	2050	Myeloid leukemia, acute
Leukemia	20500	Acute myeloid leukemia, without mention of having achieved remission
Leukemia	20501	Acute myeloid leukemia, in remission
Leukemia	20502	Acute myeloid leukemia, in relapse
Leukemia	2051	Myeloid leukemia, chronic
Leukemia	20510	Chronic myeloid leukemia, without mention of having achieved remission
Leukemia	20511	Chronic myeloid leukemia, in remission
Leukemia	20512	Chronic myeloid leukemia, in relapse
Leukemia	2052	Myeloid leukemia, subacute
Leukemia	20520	Subacute myeloid leukemia, without mention of having achieved remission
Leukemia	20521	Subacute myeloid leukemia,in remission
Leukemia	20522	Subacute myeloid leukemia, in relapse
Leukemia	2053	Myeloid leukemia, myeloid sarcoma
Leukemia	20530	Myeloid sarcoma, without mention of having achieved remission
Leukemia	20531	Myeloid sarcoma, in remission
Leukemia	20532	Myeloid sarcoma, in relapse
Leukemia	2058	Myeloid leukemia, other
Leukemia	20580	Other myeloid leukemia, without mention of having achieved remission
Leukemia	20581	Other myeloid leukemia, in remission
Leukemia	20582	Other myeloid leukemia, in relapse
Leukemia	2059	Myeloid leukemia, unspecified

Comorbidity	ICD-10 Diagnosis Code	Description
Leukemia	20590	Unspecified myeloid leukemia, without mention of having achieved remission
Leukemia	20591	Unspecified myeloid leukemia, in remission
Leukemia	20592	Unspecified myeloid leukemia, in relapse
Leukemia	206	Monocytic leukemia
Leukemia	2060	Monocytic leukemia, actue
Leukemia	20600	Acute monocytic leukemia, without mention of having achieved remission
Leukemia	20601	Acute monocytic leukemia,in remission
Leukemia	20602	Acute monocytic leukemia, in relapse
Leukemia	2061	Monocytic leukemia, chronic
Leukemia	20610	Chronic monocytic leukemia, without mention of having achieved remission
Leukemia	20611	Chronic monocytic leukemia, in remission
Leukemia	20612	Chronic monocytic leukemia, in relapse
Leukemia	2062	Monocytic leukemia, subacute
Leukemia	20620	Subacute monocytic leukemia, without mention of having achieved remission
Leukemia	20621	Subacute monocytic leukemia, in remission
Leukemia	20622	Subacute monocytic leukemia, in relapse
Leukemia	2068	Monocytic leukemia, other
Leukemia	20680	Other monocytic leukemia, without mention of having achieved remission
Leukemia	20681	Other monocytic leukemia, in remission
Leukemia	20682	Other monocytic leukemia, in relapse
Leukemia	2069	Monocytic leukemia, unspecified
Leukemia	20690	Unspecified monocytic leukemia, without mention of having achieved remission
Leukemia	20691	Unspecified monocytic leukemia, in remission
Leukemia	20692	Unspecified monocytic leukemia, in relapse
Leukemia	207	Other specified leukemia
Leukemia	2070	Other specified leukemia, Acute arythremia and erythroleukemia
Leukemia	20700	Acute erythremia and erythroleukemia, without mention of having achieved remission
Leukemia	20701	Acute erythremia and erythroleukemia, in remission
Leukemia	20702	Acute erythremia and erythroleukemia, in relapse
Leukemia	2071	Other specified leukemia, Chronic erythremia
Leukemia	20710	Chronic erythremia, without mention of having achieved remission
Leukemia	20711	Chronic erythremia, in remission
Leukemia	20712	Chronic erythremia, in relapse
Leukemia	2072	Other specified leukemia, Megakaryocytic leukemia
Leukemia	20720	Megakaryocytic leukemia, without mention of having achieved remission
Leukemia	20721	Megakaryocytic leukemia, in remission
Leukemia	20722	Megakaryocytic leukemia, in relapse
Leukemia	2078	Other specified leukemia, other
Leukemia	20780	Other specified leukemia, without mention of having achieved remission
Leukemia	20781	Other specified leukemia, in remission
Leukemia	20782	Other specified leukemia, in relapse
Leukemia	208	Leukemia of unspecified cell type
Leukemia	2080	Leukemia of unspecified cell type, acute
Leukemia	20800	Acute leukemia of unspecified cell type, without mention of having achieved remission
Leukemia	20801	Acute leukemia of unspecified cell type, in remission
Leukemia	20802	Acute leukemia of unspecified cell type, in relapse
Leukemia	2081	Leukemia of unspecified cell type, chronic
Leukemia	20810	Chronic leukemia of unspecified cell type, without mention of having achieved remission
Leukemia	20811	Chronic leukemia of unspecified cell type, in remission
Leukemia	20812	Chronic leukemia of unspecified cell type, in relapse
Leukemia	2082	Leukemia of unspecified cell type, subacute
Leukemia	20820	Subacute leukemia of unspecified cell type, without mention of having achieved remission
Leukemia	20821	Subacute leukemia of unspecified cell type, in remission
Leukemia	20822	Subacute leukemia of unspecified cell type, in relapse
Leukemia	2088	Leukemia of unspecified cell type, other
Leukemia	20880	Other leukemia of unspecified cell type, without mention of having achieved remission
Leukemia	20881	Other leukemia of unspecified cell type, in remission
Leukemia	20882	Other leukemia of unspecified cell type, in relapse
Leukemia	2089	Leukemia of unspecified cell type, unspecified
Leukemia	20890	Unspecified leukemia, without mention of having achieved remission
Leukemia	20891	Unspecified leukemia, in remission
Leukemia	20892	Unspecified leukemia, in reinission
	20892	Lymphosarcoma and reticulosarcoma
Lymphoma	2000	Lymphosarcoma and reticulosarcoma Lymphosarcoma and reticulosarcoma, reticulosarcoma
Lymphoma	2000	• •
Lymphoma		Reticulosarcoma, unspecified site, extranodal and solid organ sites
Lymphoma Lymphoma	20001 20002	Reticulosarcoma, lymph nodes of head, face, and neck
		Reticulosarcoma, intra abdominal lymph nodes
Lymphoma	20003	Reticulosarcoma, intra-abdominal lymph nodes
Lymphoma	20004	Reticulosarcoma, lymph nodes of axilla and upper limb
Lymphoma	20005	Reticulosarcoma, lymph nodes of inguinal region and lower limb
Lymphoma	20006	Reticulosarcoma, intrapelvic lymph nodes
Lymphoma	20007	Reticulosarcoma, spleen
Lymphoma	20008	Reticulosarcoma, lymph nodes of multiple sites
Lymphoma	2001	Lymphosarcoma and reticulosarcoma, Lymphosarcoma
Lymphoma	20010	Lymphosarcoma, unspecified site, extranodal and solid organ sites
Lymphoma	20011	Lymphosarcoma, lymph nodes of head, face, and neck
Lymphoma	20012	Lymphosarcoma, intrathoracic lymph nodes
Lymphoma	20013	Lymphosarcoma, intra-abdominal lymph nodes

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	20014	Lymphosarcoma, lymph nodes of axilla and upper limb
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Lymphoma		Lymphosarcoma, lymph nodes of inguinal region and lower limb
Lymphoma	20016	Lymphosarcoma, intrapelvic lymph nodes
Lymphoma	20017	Lymphosarcoma, spleen
Lymphoma	20018	Lymphosarcoma, lymph nodes of multiple sites
Lymphoma	2002	Lymphosarcoma and reticulosarcoma, Burkitt's tumor or lymphoma
Lymphoma	20020	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20021	Burkitt's tumor or lymphoma, lymph nodes of head, face, and neck
Lymphoma	20022	Burkitt's tumor or lymphoma, intrathoracic lymph nodes
Lymphoma	20023	Burkitt's tumor or lymphoma, intra-abdominal lymph nodes
Lymphoma	20024	Burkitt's tumor or lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20025	Burkitt's tumor or lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20026	Burkitt's tumor or lymphoma, intrapelvic lymph nodes
Lymphoma	20027	Burkitt's tumor or lymphoma, spleen
Lymphoma	20028	Burkitt's tumor or lymphoma, lymph nodes of multiple sites
Lymphoma	2003	Marginal zone lymphoma
Lymphoma	20030	Marginal zone lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20031	Marginal zone lymphoma, lymph nodes of head, face, and neck
Lymphoma	20032	Marginal zone lymphoma, intrathoracic lymph nodes
• •	20033	Marginal zone lymphoma, intraabdominal lymph nodes
Lymphoma		
Lymphoma	20034	Marginal zone lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20035	Marginal zone lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20036	Marginal zone lymphoma, intrapelvic lymph nodes
Lymphoma	20037	Marginal zone lymphoma, spleen
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Lymphoma	20038	Marginal zone lymphoma, lymph nodes of multiple sites
Lymphoma	2004	
Lymphoma	20040	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20041	Mantle cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	20042	Mantle cell lymphoma, intrathoracic lymph nodes
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Lymphoma	20043	Mantle cell lymphoma, intra-abdominal lymph nodes
Lymphoma	20044	Mantle cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20045	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20046	Mantle cell lymphoma, intrapelvic lymph nodes
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Lymphoma		Mantle cell lymphoma, spleen
Lymphoma	20048	Mantle cell lymphoma, lymph nodes of multiple sites
Lymphoma	2005	Primary central nervous system lymphoma
Lymphoma	20050	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20051	Primary central nervous system lymphoma, lymph nodes of head, face, and neck
Lymphoma	20052	Primary central nervous system lymphoma, intrathoracic lymph nodes
Lymphoma	20053	Primary central nervous system lymphoma, intra-abdominal lymph nodes
Lymphoma	20054	Primary central nervous system lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20055	Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20056	Primary central nervous system lymphoma, intrapelvic lymph nodes
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Lymphoma	20057	Primary central nervous system lymphoma, spleen
Lymphoma	20058	Primary central nervous system lymphoma, lymph nodes of multiple sites
Lymphoma	2006	Anaplastic large cell lymphoma
Lymphoma	20060	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20061	Anaplastic large cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	20062	Anaplastic large cell lymphoma, intrathoracic lymph nodes
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Lymphoma	20063	Anaplastic large cell lymphoma, intra-abdominal lymph nodes
Lymphoma	20064	Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20065	Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20066	Anaplastic large cell lymphoma, intrapelvic lymph nodes
Lymphoma	20067	Anaplastic large cell lymphoma, spleen
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Lymphoma	20068	Anaplastic large cell lymphoma, lymph nodes of multiple sites
Lymphoma	2007	Large cell lymphoma
Lymphoma	20070	Large cell lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20071	Large cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	20072	Large cell lymphoma, intrathoracic lymph nodes
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Lymphoma	20073	Large cell lymphoma, intra-abdominal lymph nodes
Lymphoma	20074	Large cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20075	Large cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20076	Large cell lymphoma, intrapelvic lymph nodes
Lymphoma	20077	Large cell lymphoma, spleen
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Lymphoma	20078	Large cell lymphoma, lymph nodes of multiple sites
Lymphoma	2008	Lymphosarcoma and reticulosarcoma, other named variants
Lymphoma	20080	Other named variants of lymphosarcoma and reticulosarcoma, unspecified site, extranodal and solid organ
Lymphoma	20081	Other named variants of lymphosarcoma and reticulosarcoma, lymph nodes of head, face, and neck
Lymphoma	20082	Other named variants of lymphosarcoma and reticulosarcoma, intrathoracic lymph nodes
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Lymphoma	20083	Other named variants of lymphosarcoma and reticulosarcoma, intra-abdominal lymph nodes
Lymphoma	20084	Other named variants of lymphosarcoma and reticulosarcoma, lymph nodes of axilla and upper limb
Lymphoma	20085	Other named variants of lymphosarcoma and reticulosarcoma, lymph nodes of inguinal region and lower limb
Lymphoma	20086	Other named variants of lymphosarcoma and reticulosarcoma, intrapelvic lymph nodes
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Lymphoma	20087	Other named variants of lymphosarcoma and reticulosarcoma, spleen
Lymphoma	20088	Other named variants of lymphosarcoma and reticulosarcoma, lymph nodes of multiple sites
Lymphoma	201	Hodgkin's disease
Lymphoma	2010	Hodgkin's disease, Hodgkin's paragranuloma
Lymphoma Lymphoma	2010 20100	Hodgkin's disease, Hodgkin's paragranuloma Hodgkin's paragranuloma, unspecified site, extranodal and solid organ sites

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	20101	Hodgkin's paragranuloma, lymph nodes of head, face, and neck
Lymphoma	20102	Hodgkin's paragranuloma, intrathoracic lymph nodes
Lymphoma	20103	Hodgkin's paragranuloma, intra-abdominal lymph nodes
Lymphoma	20104	Hodgkin's paragranuloma, lymph nodes of axilla and upper limb
Lymphoma	20105	Hodgkin's paragranuloma, lymph nodes of inguinal region and lower limb
Lymphoma	20106	Hodgkin's paragranuloma, intrapelvic lymph nodes
Lymphoma	20107	Hodgkin's paragranuloma, spleen
Lymphoma	20108	Hodgkin's paragranuloma, lymph nodes of multiple sites
Lymphoma	2011	Hodgkin's disease, Hodgkin's granuloma
Lymphoma	20110	Hodgkin's granuloma, unspecified site, extranodal and solid organ sites
Lymphoma	20111	Hodgkin's granuloma, lymph nodes of head, face, and neck
Lymphoma	20112	Hodgkin's granuloma, intrathoracic lymph nodes
Lymphoma	20113	Hodgkin's granuloma, intra-abdominal lymph nodes
Lymphoma	20114	Hodgkin's granuloma, lymph nodes of axilla and upper limb
Lymphoma	20115	Hodgkin's granuloma, lymph nodes of inguinal region and lower limb
Lymphoma	20116	Hodgkin's granuloma, intrapelvic lymph nodes
Lymphoma	20117	Hodgkin's granuloma, spleen
Lymphoma	20118	Hodgkin's granuloma, lymph nodes of multiple sites
Lymphoma	2012	Hodgkin's disease, Hodgkin's sarcoma
Lymphoma	20120	Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites
Lymphoma	20121	Hodgkin's sarcoma, lymph nodes of head, face, and neck
Lymphoma	20122	Hodgkin's sarcoma, intrathoracic lymph nodes
Lymphoma	20123	Hodgkin's sarcoma, intra-abdominal lymph nodes
Lymphoma	20124	Hodgkin's sarcoma, lymph nodes of axilla and upper limb
Lymphoma	20124	Hodgkin's sarcoma, lymph nodes of axiila and apper limb
Lymphoma	20126	Hodgkin's sarcoma, intrapelvic lymph nodes
Lymphoma	20126	Hodgkin's sarcoma, spleen
Lymphoma	20127	Hodgkin's sarcoma, lymph nodes of multiple sites
Lymphoma	20128	Hodgkin's disease, Lymphocytic-histiocytic predominance
Lymphoma	20140	Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and solid organ si
Lymphoma		Hodgkin's disease, lymphocytic-histiocytic predominance, lymph nodes of head, face, and neck
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Lymphoma	20142	Hodgkin's disease, lymphocytic-histiocytic predominance, intrathoracic lymph nodes
Lymphoma		Hodgkin's disease, lymphocytic-histiocytic predominance, intra-abdominal lymph nodes
Lymphoma	20144	Hodgkin's disease, lymphocytic-histiocytic predominance, lymph nodes of axilla and upper limb
Lymphoma	20145	Hodgkin's disease, lymphocytic-histiocytic predominance, lymph nodes of inguinal region and lower limb
Lymphoma	20146	Hodgkin's disease, lymphocytic-histiocytic predominance, intrapelvic lymph nodes
Lymphoma	20147	Hodgkin's disease, lymphocytic-histiocytic predominance, spleen
Lymphoma	20148	Hodgkin's disease, lymphocytic-histiocytic predominance, lymph nodes of multiple sites
Lymphoma	2015	Hodgkin's disease, Nodular sclerosis
Lymphoma	20150	Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites
Lymphoma	20151	Hodgkin's disease, nodular sclerosis, lymph nodes of head, face, and neck
Lymphoma	20152	Hodgkin's disease, nodular sclerosis, intrathoracic lymph nodes
Lymphoma	20153	Hodgkin's disease, nodular sclerosis, intra-abdominal lymph nodes
Lymphoma	20154	Hodgkin's disease, nodular sclerosis, lymph nodes of axilla and upper limb
Lymphoma	20155	Hodgkin's disease, nodular sclerosis, lymph nodes of inguinal region and lower limb
Lymphoma	20156	Hodgkin's disease, nodular sclerosis, intrapelvic lymph nodes
Lymphoma	20157	Hodgkin's disease, nodular sclerosis, spleen
Lymphoma	20158	Hodgkin's disease, nodular sclerosis, lymph nodes of multiple sites
Lymphoma	2016	Hodgkin's disease, Mixed cellularity
Lymphoma	20160	Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites
Lymphoma	20161	Hodgkin's disease, mixed cellularity, lymph nodes of head, face, and neck
Lymphoma	20162	Hodgkin's disease, mixed cellularity, intrathoracic lymph nodes
Lymphoma	20163	Hodgkin's disease, mixed cellularity, intra-abdominal lymph nodes
Lymphoma	20164	Hodgkin's disease, mixed cellularity, lymph nodes of axilla and upper limb
Lymphoma	20165	Hodgkin's disease, mixed cellularity, lymph nodes of inguinal region and lower limb
Lymphoma	20166	Hodgkin's disease, mixed cellularity, intrapelvic lymph nodes
Lymphoma	20167	Hodgkin's disease, mixed cellularity, spleen
Lymphoma	20168	Hodgkin's disease, mixed cellularity, lymph nodes of multiple sites
Lymphoma	2017	Hodgkin's disease, Lymphocytic depletion
Lymphoma	20170	Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ sites
Lymphoma	20171	Hodgkin's disease, lymphocytic depletion, lymph nodes of head, face, and neck
Lymphoma	20172	Hodgkin's disease, lymphocytic depletion, intrathoracic lymph nodes
Lymphoma	20173	Hodgkin's disease, lymphocytic depletion, intra-abdominal lymph nodes
Lymphoma	20174	Hodgkin's disease, lymphocytic depletion, lymph nodes of axilla and upper limb
Lymphoma	20175	Hodgkin's disease, lymphocytic depletion, lymph nodes of inguinal region and lower limb
Lymphoma	20176	Hodgkin's disease, lymphocytic depletion, intrapelvic lymph nodes
Lymphoma	20177	Hodgkin's disease, lymphocytic depletion, spleen
Lymphoma	20178	Hodgkin's disease, lymphocytic depletion, lymph nodes of multiple sites
Lymphoma	2019	Hodgkin's disease, unspecified
Lymphoma	20190	Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites
Lymphoma	20191	Hodgkin's disease, unspecified type, lymph nodes of head, face, and neck
Lymphoma	20192	Hodgkin's disease, unspecified type, intrathoracic lymph nodes
Lymphoma	20193	Hodgkin's disease, unspecified type, intra-abdominal lymph nodes
Lymphoma	20194	Hodgkin's disease, unspecified type, lymph nodes of axilla and upper limb
Lymphoma	20195	Hodgkin's disease, unspecified type, lymph nodes of inguinal region and lower limb
Lymphoma	20196	Hodgkin's disease, unspecified type, intrapelvic lymph nodes
Lymphoma	20197	Hodgkin's disease, unspecified type, spleen
Lymphoma	20198	Hodgkin's disease, unspecified type, lymph nodes of multiple sites
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Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	202	Other malignant neoplasms of lymphoid and histiocytic tissue
Lymphoma	2020	Nodular lymphoma
Lymphoma	20200	Nodular lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20201	Nodular lymphoma, lymph nodes of head, face, and neck
Lymphoma	20202	Nodular lymphoma, intrathoracic lymph nodes
Lymphoma	20203	Nodular lymphoma, intra-abdominal lymph nodes
Lymphoma	20204	Nodular lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20205	Nodular lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	20206	Nodular lymphoma, intrapelvic lymph nodes
Lymphoma	20207	Nodular lymphoma, spleen
• •	20207	
Lymphoma	20208	Nodular lymphoma, lymph nodes of multiple sites Other malignant neoplasms of lymphoid and histiocytic tissue, Mycosis fungoides
Lymphoma Lymphoma		
•	20210	Mycosis fungoides, unspecified site, extranodal and solid organ sites
Lymphoma	20211	Mycosis fungoides, lymph nodes of head, face, and neck
Lymphoma	20212	Mycosis fungoides, intrathoracic lymph nodes
Lymphoma	20213	Mycosis fungoides, intra-abdominal lymph nodes
Lymphoma	20214	Mycosis fungoides, lymph nodes of axilla and upper limb
Lymphoma	20215	Mycosis fungoides, lymph nodes of inguinal region and lower limb
Lymphoma	20216	Mycosis fungoides, intrapelvic lymph nodes
Lymphoma	20217	Mycosis fungoides, spleen
Lymphoma	20218	Mycosis fungoides, lymph nodes of multiple sites
Lymphoma	2022	Other malignant neoplasms of lymphoid and histiocytic tissue, Sezary's disease
Lymphoma	20220	Sezary's disease, unspecified site, extranodal and solid organ sites
Lymphoma	20221	Sezary's disease, lymph nodes of head, face, and neck
Lymphoma	20222	Sezary's disease, intrathoracic lymph nodes
Lymphoma	20223	Sezary's disease, intra-abdominal lymph nodes
Lymphoma	20224	Sezary's disease, lymph nodes of axilla and upper limb
Lymphoma	20225	Sezary's disease, lymph nodes of inguinal region and lower limb
Lymphoma	20226	Sezary's disease, intrapelvic lymph nodes
Lymphoma	20227	Sezary's disease, spleen
Lymphoma	20228	Sezary's disease, lymph nodes of multiple sites
Lymphoma	2023	Other malignant neoplasms of lymphoid and histiocytic tissue, malignant histiocytosis
Lymphoma	20230	Malignant histiocytosis, unspecified site, extranodal and solid organ sites
Lymphoma	20231	Malignant histiocytosis, lymph nodes of head, face, and neck
Lymphoma	20232	Malignant histocytosis, intrathoracic lymph nodes
Lymphoma	20233	Malignant histocytosis, intra-abdominal lymph nodes
Lymphoma	20234	Malignant histocytosis, intra-audonimal lymph hodes Malignant histocytosis, lymph nodes of axilla and upper limb
Lymphoma	20235	Malignant histocytosis, lymph nodes of axilia and upper limb Malignant histocytosis, lymph nodes of inguinal region and lower limb
• •	20236	Malignant histocytosis, intrapelvic lymph nodes
Lymphoma	20236	
Lymphoma		Malignant histocytosis, spleen
Lymphoma	20238	Malignant histiocytosis, lymph nodes of multiple sites
Lymphoma	2024	Other malignant neoplasms of lymphoid and histiocytic tissue, leukemic reticuloendotheliosis
Lymphoma	20240	Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites
Lymphoma	20241	Leukemic reticuloendotheliosis, lymph nodes of head, face, and neck
Lymphoma	20242	Leukemic reticuloendotheliosis, intrathoracic lymph nodes
Lymphoma	20243	Leukemic reticuloendotheliosis, intra-abdominal lymph nodes
Lymphoma	20244	Leukemic reticuloendotheliosis, lymph nodes of axilla and upper arm
Lymphoma	20245	Leukemic reticuloendotheliosis, lymph nodes of inguinal region and lower limb
Lymphoma	20246	Leukemic reticuloendotheliosis, intrapelvic lymph nodes
Lymphoma	20247	Leukemic reticuloendotheliosis, spleen
Lymphoma	20248	Leukemic reticuloendotheliosis, lymph nodes of multipes sites
Lymphoma	2025	Other malignant neoplasms of lymphoid and histiocytic tissue, Letterer-Siwe disease
Lymphoma	20250	Letterer-siwe disease, unspecified site, extranodal and solid organ sites
Lymphoma	20251	Letterer-siwe disease, lymph nodes of head, face, and neck
Lymphoma	20252	Letterer-siwe disease, intrathoracic lymph nodes
Lymphoma	20253	Letterer-siwe disease, intra-abdominal lymph nodes
Lymphoma	20254	Letterer-siwe disease, lymph nodes of axilla and upper limb
Lymphoma	20255	Letterer-siwe disease, lymph nodes of inguinal region and lower limb
Lymphoma	20256	Letterer-siwe disease, intrapelvic lymph nodes
Lymphoma	20257	Letterer-siwe disease, spleen
Lymphoma	20258	Letterer-siwe disease, lymph nodes of multiple sites
Lymphoma	2026	Other malignant neoplasms of lymphoid and histiocytic tissue, malignant mast cell tumors
Lymphoma	20260	Malignant mast cell tumors, unspecified site, extranodal and solid organ sites
Lymphoma	20261	Malignant mast cell tumors, lymph nodes of head, face, and neck
Lymphoma	20262	Malignant mast cell tumors, intrathoracic lymph nodes
Lymphoma	20263	Malignant mast cell tumors, intra-abdominal lymph nodes
Lymphoma	20263	Malignant mast cell tumors, lymph nodes of axilla and upper limb
		Malignant mast cell tumors, lymph nodes of axina and upper limb Malignant mast cell tumors, lymph nodes of inguinal region and lower limb
Lymphoma	20265	
Lymphoma	20266	Malignant mast cell tumors, intrapelvic lymph nodes
Lymphoma	20267	Malignant mast cell tumors, spleen
Lymphoma	20268	Malignant mast cell tumors, lymph nodes of multiple sites
Lymphoma	2027	Peripheral T cell lymphoma
Lymphoma	20270	Peripheral T cell lymphoma, unspecified site, extranodal and solid organ sites
Lymphoma	20271	Peripheral T cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	20272	Peripheral T cell lymphoma, intrathoracic lymph nodes
Lymphoma	20273	Peripheral T cell lymphoma, intra-abdominal lymph nodes
Lymphoma	20274	Peripheral T cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	20275	Peripheral T cell lymphoma, lymph nodes of inguinal region and lower limb
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Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	20276	Peripheral T cell lymphoma, intrapelvic lymph nodes
Lymphoma	20277	Peripheral T cell lymphoma, spleen
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Lymphoma	20278	Peripheral T cell lymphoma, lymph nodes of multiple sites
Lymphoma	2028	Other lymphomas
Lymphoma	20280	Other malignant lymphomas, unspecified site, extranodal and solid organ sites
Lymphoma	20281	Other malignant lymphomas, lymph nodes of head, face, and neck
Lymphoma	20282	Other malignant lymphomas, intrathoracic lymph nodes
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Lymphoma	20283	Other malignant lymphomas, intra-abdominal lymph nodes
Lymphoma	20284	Other malignant lymphomas, lymph nodes of axilla and upper limb
Lymphoma	20285	Other malignant lymphomas, lymph nodes of inguinal region and lower limb
Lymphoma	20286	Other malignant lymphomas, intrapelvic lymph nodes
Lymphoma	20287	Other malignant lymphomas, spleen
Lymphoma	20288	Other malignant lymphomas, lymph nodes of multiple sites
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Lymphoma	2029	Other malignant neoplasms of lymphoid and histiocytic tissue, other and unspecified
Lymphoma	20290	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site, extranod
Lymphoma	20291	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, lymph nodes of head, face,
Lymphoma	20292	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, intrathoracic lymph nodes
Lymphoma	20293	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, intra-abdominal lymph node
• •	20294	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, lymph nodes of axilla and
Lymphoma		
Lymphoma	20295	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, lymph nodes of inguinal re
Lymphoma	20296	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, intrapelvic lymph nodes
Lymphoma	20297	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, spleen
Lymphoma	20298	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, lymph nodes of multiple si
Lymphoma	203	Lymphatic, Head and Neck, Brain and Other Major Cancers
Lymphoma	23877	Post-transplant lymphoproliferative disorder (PTLD)
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Metastatic	196	Secondary and unspecified malignant neoplasm of lymph nodes
Metastatic	1960	Secondary and unspecified malignant neoplasm of lymph nodes of head, face, and neck
Metastatic	1961	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes
Metastatic	1962	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes
Metastatic	1963	Secondary and unspecified malignant neoplasm of lymph nodes of axilla and upper limb
Metastatic	1965	Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb
Metastatic	1966	
		Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes
Metastatic	1968	Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites
Metastatic	1969	Secondary and unspecified malignant neoplasm of lymph nodes, site unspecified
Metastatic	197	Secondary malignant neoplasm of respiratory and digestive systems
Metastatic	1970	Secondary malignant neoplasm of lung
Metastatic	1971	Secondary malignant neoplasm of mediastinum
Metastatic	1972	Secondary malignant neoplasm of pleura
Metastatic	1973	Secondary malignant neoplasm of other respiratory organs
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Metastatic	1974	Secondary malignant neoplasm of small intestine including duodenum
Metastatic	1975	Secondary malignant neoplasm of large intestine and rectum
Metastatic	1976	Secondary malignant neoplasm of retroperitoneum and peritoneum
Metastatic	1977	Malignant neoplasm of liver, secondary
Metastatic	1978	Secondary malignant neoplasm of other digestive organs and spleen
Metastatic	198	Secondary malignant neoplasm of other specified sites
Metastatic	1980	Secondary malignant neoplasm of kidney
Metastatic	1981	Secondary malignant neoplasm of other urinary organs
Metastatic	1982	Secondary malignant neoplasm of skin
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Metastatic	1983	Secondary malignant neoplasm of brain and spinal cord
Metastatic	1984	Secondary malignant neoplasm of other parts of nervous system
Metastatic	1985	Secondary malignant neoplasm of bone and bone marrow
Metastatic	1986	Secondary malignant neoplasm of ovary
Metastatic	1987	Secondary malignant neoplasm of adrenal gland
Metastatic	1988	Secondary malignant neoplasm of other specified sites, other specified sites
Metastatic	19881	Secondary malignant neoplasm of breast
Metastatic	19882	Secondary malignant neoplasm of genital organs
Metastatic	19889	
		Secondary malignant neoplasm of other specified sites
Metastatic	199	Malignant neoplasm without specification of site
Metastatic	1990	Disseminated malignant neoplasm without specification of site
Myeloma, Etc.	203	Lymphatic, Head and Neck, Brain and Other Major Cancers
Myeloma, Etc.	2030	Multiple myeloma
Myeloma, Etc.	20300	Multiple myeloma, without mention of having achieved remission
Myeloma, Etc.	20301	Multiple myeloma, in remission
Myeloma, Etc.	20302	Multiple myeloma, in relapse
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Myeloma, Etc.	20310	Plasma cell leukemia, without mention of having achieved remission
Myeloma, Etc.	20312	Plasma cell leukemia, in relapse
Myeloma, Etc.	20380	Other immunoproliferative neoplasms, without mention of having achieved remission
Myeloma, Etc.	20382	Other immunoproliferative neoplasms, in relapse
Myeloma, Etc.	2387	
Myeloma, Etc.	23871	Essential thrombocythemia
Myeloma, Etc.	23872	Low grade myelodysplastic syndrome lesions
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Myeloma, Etc.	23873	High grade myelodysplastic syndrome lesions
Myeloma, Etc.	23874	Myelodysplastic syndrome with 5q deletion
Myeloma, Etc.	23875	Myelodysplastic syndrome, unspecified
Myeloma, Etc.	23876	Myelofibrosis with myeloid metaplasia
Myeloma, Etc.	23879	Other lymphatic and hematopoietic tissues
Myeloma, Etc.	28989	Other specified diseases of blood and blood-forming organs
Other Cancer	170	Malignant neoplasm of bone and articular cartilage
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Comorbidity	ICD-10 Diagnosis Code	Description
Other Cancer	1700	Malignant neoplasm of bones of skull and face, except mandible
Other Cancer	1701	Malignant neoplasm of mandible
Other Cancer	1702	Malignant neoplasm of vertebral column, excluding sacrum and coccyx
Other Cancer	1703	Malignant neoplasm of ribs, sternum, and clavicle
Other Cancer	1704	Malignant neoplasm of scapula and long bones of upper limb
Other Cancer	1705	Malignant neoplasm of short bones of upper limb
Other Cancer	1706	Malignant neoplasm of pelvic bones, sacrum, and coccyx
Other Cancer	1707	Malignant neoplasm of long bones of lower limb
Other Cancer	1708	Malignant neoplasm of short bones of lower limb
	1709	- · · ·
Other Cancer		Malignant neoplasm of bone and articular cartilage, site unspecified
Other Cancer	171	Malignant neoplasm of connective and other soft tissue
Other Cancer	1710	Malignant neoplasm of connective and other soft tissue of head, face, and neck
Other Cancer	1712	Malignant neoplasm of connective and other soft tissue of upper limb, including shoulder
Other Cancer	1713	Malignant neoplasm of connective and other soft tissue of lower limb, including hip
Other Cancer	1714	Malignant neoplasm of connective and other soft tissue of thorax
Other Cancer	1715	Malignant neoplasm of connective and other soft tissue of abdomen
Other Cancer	1716	Malignant neoplasm of connective and other soft tissue of pelvis
Other Cancer	1717	Malignant neoplasm of connective and other soft tissue of trunk, unspecified
Other Cancer	1718	Malignant neoplasm of other specified sites of connective and other soft tissue
Other Cancer	1719	Malignant neoplasm of connective and other soft tissue, site unspecified
Other Cancer	176	Kaposi's sarcoma
Other Cancer	1760	Kaposi's sarcoma, skin
Other Cancer	1761	Kaposi's sarcoma, soft tissue
Other Cancer	1762	Kaposi's sarcoma, palate
Other Cancer	1763	Kaposi's sarcoma, gastrointestinal sites
Other Cancer	1764	Kaposi's sarcoma, lung
Other Cancer	1765	Kaposi's sarcoma, lymph nodes
Other Cancer	1768	Kaposi's sarcoma, other specified sites
Other Cancer	1769	Kaposi's sarcoma, unspecified site
Other Cancer	181	Malignant neoplasm of placenta
Other Cancer	183	Malignant neoplasm of ovary and other uterine adnexa
	1830	- · · · · · · · · · · · · · · · · · · ·
Other Cancer		Malignant neoplasm of overy
Other Cancer	1832	Malignant neoplasm of fallopian tube
Other Cancer	1833	Malignant neoplasm of broad ligament of uterus
Other Cancer	1834	Malignant neoplasm of parametrium
Other Cancer	1835	Malignant neoplasm of round ligament of uterus
Other Cancer	1838	Malignant neoplasm of other specified sites of uterine adnexa
Other Cancer	1839	Malignant neoplasm of uterine adnexa, unspecified site
Other Cancer	191	Malignant neoplasm of brain
Other Cancer	1910	Malignant neoplasm of cerebrum, except lobes and ventricles
Other Cancer	1911	Malignant neoplasm of frontal lobe
Other Cancer	1912	Malignant neoplasm of temporal lobe
Other Cancer	1913	Malignant neoplasm of parietal lobe
Other Cancer	1914	Malignant neoplasm of occipital lobe
Other Cancer	1915	Malignant neoplasm of ventricles
Other Cancer	1916	Malignant neoplasm of cerebellum nos
Other Cancer	1917	Malignant neoplasm of brain stem
Other Cancer	1918	Malignant neoplasm of other parts of brain
Other Cancer	1919	Malignant neoplasm of brain, unspecified
Other Cancer	192	Malignant neoplasm of other and unspecified parts of nervous system
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Other Cancer	1920	Malignant neoplasm of cranial nerves
Other Caricer	1921	Malignant neoplasm of cerebral meninges
Other Cancer	1922	Malignant neoplasm of spinal cord
Other Cancer	1923	Malignant neoplasm of spinal meninges
Other Cancer	1928	Malignant neoplasm of other specified sites of nervous system
Other Cancer	1929	Malignant neoplasm of nervous system, part unspecified
Other Cancer	1940	Malignant neoplasm of adrenal gland
Other Cancer	1943	Malignant neoplasm of pituitary gland and craniopharyngeal duct
Other Cancer	1944	Malignant neoplasm of pineal gland
Sickle Cell	2826	Sickle-cell disease
Sickle Cell	28260	Sickle-cell disease, unspecified
Sickle Cell	28261	Hb-SS disease without crisis
Sickle Cell	28262	Hb-SS disease with crisis
Sickle Cell	28263	Sickle-cell/Hb-C disease without crisis
Sickle Cell	28264	Sickle-cell/Hb-C disease with crisis
Sickle Cell	28268	Other sickle-cell disease without crisis
Sickle Cell	28269	Other sickle-cell disease with crisis
Solid Organ Cancer	150	Malignant neoplasm of the esophagus
	1500	Malignant neoplasm of cervical esophagus
Solid Organ Cancer		
Solid Organ Cancer	1501	Malignant neoplasm of thoracic esophagus
Solid Organ Cancer	1502	Malignant neoplasm of abdominal esophagus
Solid Organ Cancer	1503	Malignant neoplasm of upper third of esophagus
Solid Organ Cancer	1504	Malignant neoplasm of middle third of esophagus
Solid Organ Cancer	1505	Malignant neoplasm of lower third of esophagus
Solid Organ Cancer	1508	Malignant neoplasm of other specified part of esophagus
Solid Organ Cancer	1509	Malignant neoplasm of esophagus, unspecified site
Solid Organ Cancer	151	Malignant neoplasm of the stomach
Solid Organ Cancer	1510	Malignant neoplasm of cardia

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	1511	Malignant neoplasm of pylorus
Solid Organ Cancer	1512	Malignant neoplasm of pyloric antrum
Solid Organ Cancer	1513	Malignant neoplasm of fundus of stomach
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Solid Organ Cancer	1514	Malignant neoplasm of body of stomach
Solid Organ Cancer	1515	Malignant neoplasm of lesser curvature of stomach, unspecified
Solid Organ Cancer	1516	Malignant neoplasm of greater curvature of stomach, unspecified
Solid Organ Cancer	1518	Malignant neoplasm of other specified sites of stomach
Solid Organ Cancer	1519	Malignant neoplasm of stomach, unspecified site
Solid Organ Cancer	152	Malignant neoplasm of the small intestine including duodenum
Solid Organ Cancer	1520	Malignant neoplasm of duodenum
Solid Organ Cancer	1521	Malignant neoplasm of jejunum
Solid Organ Cancer	1522	Malignant neoplasm of ileum
Solid Organ Cancer	1523	Malignant neoplasm of Meckel's diverticulum
Solid Organ Cancer	1528	Malignant neoplasm of other specified sites of small intestine
Solid Organ Cancer	1529	Malignant neoplasm of small intestine, unspecified site
Solid Organ Cancer	153	Malignant neoplasm of colon
Solid Organ Cancer	1530	Malignant neoplasm of hepatic flexure
Solid Organ Cancer	1531	Malignant neoplasm of transverse colon
Solid Organ Cancer	1532	Malignant neoplasm of descending colon
Solid Organ Cancer	1533	Malignant neoplasm of sigmoid colon
Solid Organ Cancer	1534	Malignant neoplasm of cecum
Solid Organ Cancer	1535	Malignant neoplasm of appendix vermiformis
Solid Organ Cancer	1536	Malignant neoplasm of ascending colon
Solid Organ Cancer	1537	Malignant neoplasm of splenic flexure
Solid Organ Cancer	1538	Malignant neoplasm of other specified sites of large intestine
Solid Organ Cancer	1539	Malignant neoplasm of colon, unspecified site
Solid Organ Cancer	154	5
-		Malignant neoplasm of rectum, rectosigmoid junction and anus
Solid Organ Cancer	1540	Malignant neoplasm of rectosigmoid junction
Solid Organ Cancer	1541	Malignant neoplasm of rectum
Solid Organ Cancer	1542	Malignant neoplasm of anal canal
Solid Organ Cancer	1543	Malignant neoplasm of anus, unspecified site
Solid Organ Cancer	1548	Malignant neoplasm of other sites of rectum, rectosigmoid junction, and anus
Solid Organ Cancer	155	Malignant neoplasm of the liver and intrahepatic bile ducts
Solid Organ Cancer	1550	Malignant neoplasm of liver, primary
Solid Organ Cancer	1551	Malignant neoplasm of intrahepatic bile ducts
Solid Organ Cancer	1552	Malignant neoplasm of liver, not specified as primary or secondary
Solid Organ Cancer	156	Malignant neoplasm of gall bladder and extrahepatic bile ducts
Solid Organ Cancer	1560	Malignant neoplasm of gallbladder
Solid Organ Cancer	1561	Malignant neoplasm of extrahepatic bile ducts
Solid Organ Cancer	1562	Malignant neoplasm of ampulla of vater
Solid Organ Cancer	1568	Malignant neoplasm of other specified sites of gallbladder and extrahepatic bile ducts
Solid Organ Cancer	1569	Malignant neoplasm of biliary tract, part unspecified site
Solid Organ Cancer	157	Malignant neoplasm of pancreas
Solid Organ Cancer	1570	
-		Malignant neoplasm of head of pancreas
Solid Organ Cancer	1571	Malignant neoplasm of body of pancreas
Solid Organ Cancer	1572	Malignant neoplasm of tail of pancreas
Solid Organ Cancer	1573	Malignant neoplasm of pancreatic duct
Solid Organ Cancer	1574	Malignant neoplasm of islets of langerhans
Solid Organ Cancer	1578	Malignant neoplasm of other specified sites of pancreas
Solid Organ Cancer	1579	Malignant neoplasm of pancreas, part unspecified
Solid Organ Cancer	158	Malignant neoplasm of retroperitoneum and peritoneum
Solid Organ Cancer	1580	Malignant neoplasm of retroperitoneum
		Malignant neoplasm of specified parts of peritoneum
Solid Organ Cancer	1588	
Solid Organ Cancer	1589	Malignant neoplasm of peritoneum, unspecified
Solid Organ Cancer	159	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum
Solid Organ Cancer	1590	Malignant neoplasm of intestinal tract, part unspecified
Solid Organ Cancer	1591	Malignant neoplasm of spleen, not elsewhere classified
Solid Organ Cancer	1598	Malignant neoplasm of other sites of digestive system and intra-abdominal organs
Solid Organ Cancer	1599	Malignant neoplasm of ill-defined sites within the digestive organs and peritoneum
Solid Organ Cancer	162	Malignant neoplasm of trachea, bronchus, and lung
Solid Organ Cancer	1620	Malignant neoplasm of trachea
Solid Organ Cancer	1622	Malignant neoplasm of main bronchus
Solid Organ Cancer	1623	Malignant neoplasm of upper lobe, bronchus or lung
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Solid Organ Cancer	1624	Malignant neoplasm of middle lobe, bronchus or lung
Solid Organ Cancer	1625	Malignant neoplasm of lower lobe, bronchus or lung
Solid Organ Cancer	1628	Malignant neoplasm of other parts of bronchus or lung
Solid Organ Cancer	1629	Malignant neoplasm of bronchus and lung, unspecified
Solid Organ Cancer	163	Malignant neoplasm of pleura
Solid Organ Cancer	1630	Malignant neoplasm of parietal pleura
Solid Organ Cancer	1631	Malignant neoplasm of visceral pleura
Solid Organ Cancer	1638	Malignant neoplasm of other specified sites of pleura
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Solid Organ Cancer	1639	Malignant neoplasm of pleura, unspecified
Solid Organ Cancer	172	Malignant melanoma of skin
Solid Organ Cancer	1720	Malignant melanoma of skin of lip
Solid Organ Cancer	1721	Malignant melanoma of skin of eyelid, including canthus
Solid Organ Cancer	1722	Malignant melanoma of skin of ear and external auditory canal
Solid Organ Cancer	1723	Malignant melanoma of skin of other and unspecified parts of face
Solid Organ Cancer	1724	Malignant melanoma of skin of scalp and neck

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	1725	Malignant melanoma of skin of trunk, except scrotum
Solid Organ Cancer	1726	Malignant melanoma of skin of upper limb, including shoulder
Solid Organ Cancer	1727	Malignant melanoma of skin of lower limb, including hip
Solid Organ Cancer	1728	Malignant melanoma of other specified sites of skin
Solid Organ Cancer	1729	Melanoma of skin, site unspecified
Solid Organ Cancer	174	Malignant neoplasm of female breast
Solid Organ Cancer	1740	Malignant neoplasm of nipple and areola of female breast
Solid Organ Cancer	1741	Malignant neoplasm of central portion of female breast
Solid Organ Cancer	1742	Malignant neoplasm of upper-inner quadrant of female breast
Solid Organ Cancer	1743	Malignant neoplasm of lower-inner quadrant of female breast
Solid Organ Cancer	1744	Malignant neoplasm of upper-outer quadrant of female breast
Solid Organ Cancer	1745	Malignant neoplasm of lower-outer quadrant of female breast
Solid Organ Cancer	1746	Malignant neoplasm of axillary tail of female breast
Solid Organ Cancer	1748	Malignant neoplasm of other specified sites of female breast
Solid Organ Cancer	1749	Malignant neoplasm of breast (female), unspecified
Solid Organ Cancer	175	Malignant neoplasm of male breast
Solid Organ Cancer	1750	Malignant neoplasm of nipple and areola of male breast
Solid Organ Cancer	1759	Malignant neoplasm of other and unspecified sites of male breast
Solid Organ Cancer	179	Malignant neoplasm of uterus, part unspecified
Solid Organ Cancer	180	Malignant neoplasm of cervix uteri
Solid Organ Cancer	1800	Malignant neoplasm of endocervix
Solid Organ Cancer	1801	Malignant neoplasm of exocervix
Solid Organ Cancer	1808	Malignant neoplasm of other specified sites of cervix
Solid Organ Cancer	1809	Malignant neoplasm of cervix uteri, unspecified site
Solid Organ Cancer	182	Malignant neoplasm of body of uterus
Solid Organ Cancer	1820	Malignant neoplasm of corpus uteri, except isthmus
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Solid Organ Cancer	1821	Malignant neoplasm of isthmus
Solid Organ Cancer	1828	Malignant neoplasm of other specified sites of body of uterus
Solid Organ Cancer	184	Malignant neoplasm of other and unspecified female genital organs
Solid Organ Cancer	1840	Malignant neoplasm of vagina
Solid Organ Cancer	1841	Malignant neoplasm of labia majora
Solid Organ Cancer	1842	Malignant neoplasm of labia minora
Solid Organ Cancer	1843	Malignant neoplasm of clitoris
Solid Organ Cancer	1844	Malignant neoplasm of vulva, unspecified site
Solid Organ Cancer	1848	Malignant neoplasm of other specified sites of female genital organs
Solid Organ Cancer	1849	Malignant neoplasm of female genital organ, site unspecified
Solid Organ Cancer	185	Malignant neoplasm of prostate
Solid Organ Cancer	186	Malignant neoplasm of testis
Solid Organ Cancer	1860	Malignant neoplasm of undescended testis
Solid Organ Cancer	1869	Malignant neoplasm of other and unspecified testis
Solid Organ Cancer	187	Malignant neoplasm of poenis and other male genital organs
Solid Organ Cancer	1871	Malignant neoplasm of prepuce
Solid Organ Cancer	1872	Malignant neoplasm of glans penis
Solid Organ Cancer	1873	Malignant neoplasm of body of penis
Solid Organ Cancer	1874	Malignant neoplasm of penis, part unspecified
Solid Organ Cancer	1875	Malignant neoplasm of epididymis
Solid Organ Cancer	1876	Malignant neoplasm of spermatic cord
Solid Organ Cancer	1877	Malignant neoplasm of scrotum
Solid Organ Cancer	1878	Malignant neoplasm of other specified sites of male genital organs
Solid Organ Cancer	1879	Malignant neoplasm of male genital organ, site unspecified
Solid Organ Cancer	188	Malignant neoplasm of bladder
Solid Organ Cancer	1880	Malignant neoplasm of trigone of urinary bladder
Solid Organ Cancer	1881	Malignant neoplasm of dome of urinary bladder
Solid Organ Cancer	1882	Malignant neoplasm of lateral wall of urinary bladder
Solid Organ Cancer	1883	Malignant neoplasm of anterior wall of urinary bladder
Solid Organ Cancer	1884	Malignant neoplasm of posterior wall of urinary bladder
Solid Organ Cancer	1885	Malignant neoplasm of bladder neck
Solid Organ Cancer	1886	Malignant neoplasm of ureteric orifice
Solid Organ Cancer	1887	Malignant neoplasm of urachus
Solid Organ Cancer	1888	Malignant neoplasm of other specified sites of bladder
Solid Organ Cancer	1889	Malignant neoplasm of other specified sites of bladder, part unspecified
-	189	Malignant neoplasm of kidney and other and unspecified urinary organs
Solid Organ Cancer		
Solid Organ Cancer	1890	Malignant neoplasm of kidney, except pelvis
Solid Organ Cancer	1891	Malignant neoplasm of renal pelvis
Solid Organ Cancer	1892	Malignant neoplasm of ureter
Solid Organ Cancer	1893	Malignant neoplasm of urethra
Solid Organ Cancer	1894	Malignant neoplasm of paraurethral glands
Solid Organ Cancer	1898	Malignant neoplasm of other specified sites of urinary organs
Solid Organ Cancer	1899	Malignant neoplasm of urinary organ, site unspecified
Solid Organ Cancer	190	Malignant neoplasm of eye
Solid Organ Cancer	1900	Malignant neoplasm of eyeball, except conjunctiva, cornea, retina, and choroid
Solid Organ Cancer	1901	Malignant neoplasm of orbit
Solid Organ Cancer	1902	Malignant neoplasm of lacrimal gland
Solid Organ Cancer	1903	Malignant neoplasm of conjunctiva
Solid Organ Cancer	1904	Malignant neoplasm of cornea
Solid Organ Cancer	1905	Malignant neoplasm of retina
Solid Organ Cancer	1906	Malignant neoplasm of choroid
Solid Organ Cancer	1907	Malignant neoplasm of lacrimal duct

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	1908	Malignant neoplasm of other specified sites of eye
Solid Organ Cancer	1909	Malignant neoplasm of eye, part unspecified
Solid Organ Cancer	193	Malignant neoplasm of thyroid gland
Solid Organ Cancer	194	Malignant neoplasm of other endocrine glands and related structures
Solid Organ Cancer	1941	Malignant neoplasm of parathyroid gland
Solid Organ Cancer	1945	Malignant neoplasm of carotid body
Solid Organ Cancer	1946	Malignant neoplasm of aortic body and other paraganglia
Solid Organ Cancer	1948	Malignant neoplasm of other endocrine glands and related structures
Solid Organ Cancer	1949	Malignant neoplasm of endocrine gland, site unspecified
Solid Organ Cancer	195	Malignant neoplasm of other and ill-defined sites
Solid Organ Cancer	1950	Malignant neoplasm of head, face, and neck
Solid Organ Cancer	1951	Malignant neoplasm of thorax
Solid Organ Cancer	1952	Malignant neoplasm of abdomen
Solid Organ Cancer	1953	Malignant neoplasm of pelvis
Solid Organ Cancer	1954	Malignant neoplasm of upper limb
Solid Organ Cancer	1955	Malignant neoplasm of lower limb
Solid Organ Cancer	1958	Malignant neoplasm of other specified sites
Solid Organ Cancer	199	Malignant neoplasm without specification of site
Solid Organ Cancer	1991	Other malignant neoplasm without specification of site
Solid Organ Cancer	1992	Malignant neoplasm associated with transplant organ

Comorbidity	ICD-10 Diagnosis Code	Description
Carcinoma	D0000	D0000 Carcinoma in situ of oral cavity, unspecified site
Carcinoma	D0001	D0001 Carcinoma in situ of labial mucosa and vermilion border
		D0002 Carcinoma in situ of buccal mucosa
Carcinoma	D0002	
Carcinoma	D0003	D0003 Carcinoma in situ of gingiva and edentulous alveolar ridge
Carcinoma	D0004	D0004 Carcinoma in situ of soft palate
Carcinoma	D0005	D0005 Carcinoma in situ of hard palate
Carcinoma	D0006	D0006 Carcinoma in situ of floor of mouth
Carcinoma	D0007	D0007 Carcinoma in situ of tongue
Carcinoma	D0008	D0008 Carcinoma in situ of pharynx
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Carcinoma	D001	D001 Carcinoma in situ of esophagus
Carcinoma	D002	D002 Carcinoma in situ of stomach
Carcinoma	D010	D010 Carcinoma in situ of colon
Carcinoma	D011	D011 Carcinoma in situ of rectosigmoid junction
Carcinoma	D012	D012 Carcinoma in situ of rectum
Carcinoma	D013	D013 Carcinoma in situ of anus and anal canal
Carcinoma	D0140	D0140 Carcinoma in situ of unspecified part of intestine
Carcinoma	D0149	D0149 Carcinoma in situ of other parts of intestine
Carcinoma	D015	D015 Carcinoma in situ of liver, gallbladder and bile ducts
Carcinoma	D017	D017 Carcinoma in situ of other specified digestive organs
Carcinoma	D019	D019 Carcinoma in situ of digestive organ, unspecified
Carcinoma	D020	D020 Carcinoma in situ of larynx
Carcinoma	D021	D021 Carcinoma in situ of trachea
Carcinoma	D0220	D0220 Carcinoma in situ of unspecified bronchus and lung
Carcinoma	D0221	D0221 Carcinoma in situ of right bronchus and lung
Carcinoma	D0222	D0222 Carcinoma in situ of left bronchus and lung
	D0222	D023 Carcinoma in situ of other parts of respiratory system
Carcinoma		. , , ,
Carcinoma	D024	D024 Carcinoma in situ of respiratory system, unspecified
Carcinoma	D0500	D0500 Lobular carcinoma in situ of unspecified breast
Carcinoma	D0501	D0501 Lobular carcinoma in situ of right breast
Carcinoma	D0502	D0502 Lobular carcinoma in situ of left breast
Carcinoma	D0510	D0510 Intraductal carcinoma in situ of unspecified breast
Carcinoma	D0511	D0511 Intraductal carcinoma in situ of right breast
Carcinoma		D0512 Intraductal carcinoma in situ of left breast
	D0512	
Carcinoma	D0580	D0580 Other specified type of carcinoma in situ of unspecified breast
Carcinoma	D0581	D0581 Other specified type of carcinoma in situ of right breast
Carcinoma	D0582	D0582 Other specified type of carcinoma in situ of left breast
Carcinoma	D0590	D0590 Unspecified type of carcinoma in situ of unspecified breast
Carcinoma	D0591	D0591 Unspecified type of carcinoma in situ of right breast
Carcinoma	D0592	D0592 Unspecified type of carcinoma in situ of left breast
Carcinoma	D060	D060 Carcinoma in situ of endocervix
Carcinoma	D061	D061 Carcinoma in situ of exocervix
Carcinoma	D067	D067 Carcinoma in situ of other parts of cervix
Carcinoma	D069	D069 Carcinoma in situ of cervix, unspecified
Carcinoma	D070	D070 Carcinoma in situ of endometrium
Carcinoma	D071	D071 Carcinoma in situ of vulva
Carcinoma	D072	D072 Carcinoma in situ of vagina
Carcinoma	D0730	D0730 Carcinoma in situ of unspecified female genital organs
Carcinoma	D0739	D0739 Carcinoma in situ of other female genital organs
Carcinoma	D074	DO74 Carcinoma in situ of penis
Carcinoma	D075	D075 Carcinoma in situ of prostate
Carcinoma	D0760	D0760 Carcinoma in situ of unspecified male genital organs
Carcinoma	D0761	D0761 Carcinoma in situ of scrotum
Carcinoma	D0769	D0769 Carcinoma in situ of other male genital organs
Carcinoma	D090	D090 Carcinoma in situ of bladder
Carcinoma	D0910	D0910 Carcinoma in situ of unspecified urinary organ
Carcinoma	D0919	D0919 Carcinoma in situ of other urinary organs
Carcinoma	D0920	D0920 Carcinoma in situ of unspecified eye
Carcinoma	D0921	D0921 Carcinoma in situ of right eye
Carcinoma	D0922	D0922 Carcinoma in situ of left eye
Carcinoma	D093	D093 Carcinoma in situ of thyroid and other endocrine glands
Carcinoma	D098	D098 Carcinoma in situ of other specified sites
Carcinoma	D099	D099 Carcinoma in situ, unspecified
Coagulation	D65	D65 Disseminated intravascular coagulation [defibrination syndrome]
Coagulation	D66	D66 Hereditary factor VIII deficiency
Coagulation	D67	D67 Hereditary factor IX deficiency
Coagulation	D680	D680 Von Willebrand's disease
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Coagulation	D681	D681 Hereditary factor XI deficiency
Coagulation	D682	D682 Hereditary deficiency of other clotting factors
Coagulation	D68311	D68311 Acquired hemophilia
Coagulation	D68312	D68312 Antiphospholipid antibody with hemorrhagic disorder
Coagulation	D68318	D68318 Other hemorrhagic disorder due to intrinsic circulating anticoagulants, antibodies, or inhibitors
Coagulation	D6832	D6832 Hemorrhagic disorder due to extrinsic circulating anticoagulants
Coagulation	D684	D684 Acquired coagulation factor deficiency
-		D688 Other specified coagulation defects
Coagulation	D688	•
Coagulation	D689	D689 Coagulation defect, unspecified
Head and Neck Cancer	C000	C000 Malignant neoplasm of external upper lip
Head and Neck Cancer	C001	C001 Malignant neoplasm of external lower lip
Head and Neck Cancer	C002	C002 Malignant neoplasm of external lip, unspecified

Comorbidity	ICD-10 Diagnosis Code	Description
Head and Neck Cancer	C003	C003 Malignant neoplasm of upper lip, inner aspect
Head and Neck Cancer	C004	C004 Malignant neoplasm of lower lip, inner aspect
Head and Neck Cancer	C005	C005 Malignant neoplasm of lip, unspecified, inner aspect
Head and Neck Cancer	C006	C006 Malignant neoplasm of commissure of lip, unspecified
Head and Neck Cancer	C008	C008 Malignant neoplasm of overlapping sites of lip
Head and Neck Cancer	C009	C009 Malignant neoplasm of lip, unspecified
Head and Neck Cancer	C01	C01 Malignant neoplasm of base of tongue
Head and Neck Cancer	C020	C020 Malignant neoplasm of dorsal surface of tongue
Head and Neck Cancer	C021	C021 Malignant neoplasm of border of tongue
Head and Neck Cancer	C022	C022 Malignant neoplasm of ventral surface of tongue
Head and Neck Cancer	C023	C023 Malignant neoplasm of anterior two-thirds of tongue, part unspecified
Head and Neck Cancer	C024	C024 Malignant neoplasm of lingual tonsil
Head and Neck Cancer	C028	CO28 Malignant neoplasm of overlapping sites of tongue
Head and Neck Cancer	C029	CO29 Malignant neoplasm of tongue, unspecified
Head and Neck Cancer	C030	C030 Malignant neoplasm of upper gum
Head and Neck Cancer	C031	C031 Malignant neoplasm of lower gum
Head and Neck Cancer	C039	C039 Malignant neoplasm of gum, unspecified
Head and Neck Cancer	C040	C040 Malignant neoplasm of anterior floor of mouth
Head and Neck Cancer	C041	C041 Malignant neoplasm of lateral floor of mouth
Head and Neck Cancer	C048	C048 Malignant neoplasm of overlapping sites of floor of mouth
Head and Neck Cancer	C049	CO49 Malignant neoplasm of floor of mouth, unspecified
Head and Neck Cancer	C050	C050 Malignant neoplasm of hard palate
Head and Neck Cancer	C051	C051 Malignant neoplasm of soft palate
Head and Neck Cancer	C052	C052 Malignant neoplasm of uvula
Head and Neck Cancer	C058	C058 Malignant neoplasm of overlapping sites of palate
Head and Neck Cancer		C059 Malignant neoplasm of palate, unspecified
	C059	
Head and Neck Cancer	C060	C060 Malignant neoplasm of cheek mucosa
Head and Neck Cancer	C061	C061 Malignant neoplasm of vestibule of mouth
Head and Neck Cancer	C062	C062 Malignant neoplasm of retromolar area
Head and Neck Cancer	C0680	C0680 Malignant neoplasm of overlapping sites of unspecified parts of mouth
Head and Neck Cancer	C0689	C0689 Malignant neoplasm of overlapping sites of other parts of mouth
Head and Neck Cancer	C069	C069 Malignant neoplasm of mouth, unspecified
Head and Neck Cancer	C07	CO7 Malignant neoplasm of parotid gland
Head and Neck Cancer	C080	C080 Malignant neoplasm of submandibular gland
Head and Neck Cancer	C081	C081 Malignant neoplasm of sublingual gland
Head and Neck Cancer	C089	C089 Malignant neoplasm of major salivary gland, unspecified
Head and Neck Cancer	C090	C090 Malignant neoplasm of tonsillar fossa
Head and Neck Cancer	C091	CO91 Malignant neoplasm of tonsillar pillar (anterior) (posterior)
Head and Neck Cancer	C098	C098 Malignant neoplasm of overlapping sites of tonsil
Head and Neck Cancer	C099	C099 Malignant neoplasm of tonsil, unspecified
Head and Neck Cancer	C100	C100 Malignant neoplasm of vallecula
Head and Neck Cancer	C101	C101 Malignant neoplasm of anterior surface of epiglottis
Head and Neck Cancer	C102	C102 Malignant neoplasm of lateral wall of oropharynx
Head and Neck Cancer	C103	C103 Malignant neoplasm of posterior wall of oropharynx
Head and Neck Cancer	C104	C104 Malignant neoplasm of branchial cleft
Head and Neck Cancer	C108	C108 Malignant neoplasm of overlapping sites of oropharynx
Head and Neck Cancer	C109	C109 Malignant neoplasm of oropharynx, unspecified
Head and Neck Cancer	C110	C110 Malignant neoplasm of superior wall of nasopharynx
Head and Neck Cancer	C111	C111 Malignant neoplasm of posterior wall of nasopharynx
Head and Neck Cancer	C112	C112 Malignant neoplasm of lateral wall of nasopharynx
Head and Neck Cancer	C113	C113 Malignant neoplasm of anterior wall of nasopharynx
Head and Neck Cancer	C118	C118 Malignant neoplasm of overlapping sites of nasopharynx
Head and Neck Cancer	C119	C119 Malignant neoplasm of nasopharynx, unspecified
Head and Neck Cancer	C12	C12 Malignant neoplasm of pyriform sinus
Head and Neck Cancer	C130	C130 Malignant neoplasm of postcricoid region
Head and Neck Cancer	C131	C131 Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect
Head and Neck Cancer	C132	C132 Malignant neoplasm of posterior wall of hypopharynx
Head and Neck Cancer	C138	C138 Malignant neoplasm of overlapping sites of hypopharynx
Head and Neck Cancer	C139	C139 Malignant neoplasm of hypopharynx, unspecified
Head and Neck Cancer	C140	C140 Malignant neoplasm of pharynx, unspecified
Head and Neck Cancer	C142	C142 Malignant neoplasm of Waldeyer's ring
Head and Neck Cancer	C148	C148 Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx
Head and Neck Cancer	C300	C300 Malignant neoplasm of nasal cavity
Head and Neck Cancer	C301	C301 Malignant neoplasm of middle ear
Head and Neck Cancer	C310	C310 Malignant neoplasm of maxillary sinus
Head and Neck Cancer	C311	C311 Malignant neoplasm of ethmoidal sinus
Head and Neck Cancer	C312	C312 Malignant neoplasm of frontal sinus
Head and Neck Cancer	C313	C313 Malignant neoplasm of sphenoid sinus
Head and Neck Cancer	C318	C318 Malignant neoplasm of overlapping sites of accessory sinuses
Head and Neck Cancer	C319	C319 Malignant neoplasm of accessory sinus, unspecified
Head and Neck Cancer	C320	C320 Malignant neoplasm of glottis
Head and Neck Cancer	C321	C321 Malignant neoplasm of supraglottis
Head and Neck Cancer	C322	C322 Malignant neoplasm of subglottis
Head and Neck Cancer	C323	C323 Malignant neoplasm of laryngeal cartilage
Head and Neck Cancer	C328	C328 Malignant neoplasm of overlapping sites of larynx
Head and Neck Cancer	C329	C329 Malignant neoplasm of larynx, unspecified
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Head and Neck Cancer	C37	C37 Malignant neoplasm of thymus
Head and Neck Cancer	C380	C380 Malignant neoplasm of heart

Comorbidity	ICD-10 Diagnosis Code	Description
Head and Neck Cancer	C381	C381 Malignant neoplasm of anterior mediastinum
Head and Neck Cancer	C382	C382 Malignant neoplasm of posterior mediastinum
Head and Neck Cancer	C383	C383 Malignant neoplasm of mediastinum, part unspecified
Head and Neck Cancer	C388	C388 Malignant neoplasm of overlapping sites of heart, mediastinum and pleura
Head and Neck Cancer	C390	C390 Malignant neoplasm of upper respiratory tract, part unspecified
Head and Neck Cancer	C399	C399 Malignant neoplasm of lower respiratory tract, part unspecified
Head and Neck Cancer	C452	C452 Mesothelioma of pericardium
Hemolytic Aplastic	D550	D550 Anemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency
Hemolytic Aplastic	D551	D551 Anemia due to other disorders of glutathione metabolism
Hemolytic Aplastic	D552	D552 Anemia due to disorders of glycolytic enzymes
Hemolytic Aplastic	D553	D553 Anemia due to disorders of nucleotide metabolism
Hemolytic Aplastic	D558	D558 Other anemias due to enzyme disorders
Hemolytic Aplastic	D559	D559 Anemia due to enzyme disorder, unspecified
Hemolytic Aplastic	D560	D560 Alpha thalassemia
Hemolytic Aplastic	D561	D561 Beta thalassemia
Hemolytic Aplastic	D562	D562 Delta-beta thalassemia
		D563 Thalassemia minor
Hemolytic Aplastic	D563	
Hemolytic Aplastic	D564	D564 Hereditary persistence of fetal hemoglobin [HPFH]
Hemolytic Aplastic	D565	D565 Hemoglobin E-beta thalassemia
Hemolytic Aplastic	D568	D568 Other thalassemias
Hemolytic Aplastic	D569	D569 Thalassemia, unspecified
Hemolytic Aplastic	D5740	D5740 Sickle-cell thalassemia without crisis
Hemolytic Aplastic	D57411	D57411 Sickle-cell thalassemia with acute chest syndrome
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Hemolytic Aplastic	D57412	D57412 Sickle-cell thalassemia with splenic sequestration
Hemolytic Aplastic	D57419	D57419 Sickle-cell thalassemia with crisis, unspecified
Hemolytic Aplastic	D580	D580 Hereditary spherocytosis
Hemolytic Aplastic	D581	D581 Hereditary elliptocytosis
Hemolytic Aplastic	D582	D582 Other hemoglobinopathies
Hemolytic Aplastic	D588	D588 Other specified hereditary hemolytic anemias
Hemolytic Aplastic	D589	D589 Hereditary hemolytic anemia, unspecified
Hemolytic Aplastic	D590	D590 Drug-induced autoimmune hemolytic anemia
Hemolytic Aplastic	D591	D591 Other autoimmune hemolytic anemias
Hemolytic Aplastic	D592	D592 Drug-induced nonautoimmune hemolytic anemia
Hemolytic Aplastic	D593	D593 Hemolytic-uremic syndrome
Hemolytic Aplastic	D594	D594 Other nonautoimmune hemolytic anemias
Hemolytic Aplastic	D595	D595 Paroxysmal nocturnal hemoglobinuria [Marchiafava-Micheli]
Hemolytic Aplastic	D596	D596 Hemoglobinuria due to hemolysis from other external causes
Hemolytic Aplastic	D598	D598 Other acquired hemolytic anemias
Hemolytic Aplastic	D599	D599 Acquired hemolytic anemia, unspecified
Hemolytic Aplastic	D600	D600 Chronic acquired pure red cell aplasia
Hemolytic Aplastic	D601	D601 Transient acquired pure red cell aplasia
Hemolytic Aplastic	D608	D608 Other acquired pure red cell aplasias
Hemolytic Aplastic	D609	D609 Acquired pure red cell aplasia, unspecified
Hemolytic Aplastic	D6101	D6101 Constitutional (pure) red blood cell aplasia
Hemolytic Aplastic	D6109	D6109 Other constitutional aplastic anemia
Hemolytic Aplastic	D611	D611 Drug-induced aplastic anemia
Hemolytic Aplastic	D612	
		D612 Aplastic anemia due to other external agents
Hemolytic Aplastic	D613	D613 Idiopathic aplastic anemia
Hemolytic Aplastic	D61810	D61810 Antineoplastic chemotherapy induced pancytopenia
Hemolytic Aplastic	D61811	D61811 Other drug-induced pancytopenia
Hemolytic Aplastic	D61818	D61818 Other pancytopenia
Hemolytic Aplastic	D6182	D6182 Myelophthisis
Hemolytic Aplastic	D6189	D6189 Other specified aplastic anemias and other bone marrow failure syndromes
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Hemolytic Aplastic	D619	D619 Aplastic anemia, unspecified
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Leukemia	C882	C882 Heavy chain disease
Leukemia	C883	C883 Immunoproliferative small intestinal disease
Leukemia	C888	C888 Other malignant immunoproliferative diseases
Leukemia	C889	C889 Malignant immunoproliferative disease, unspecified
Leukemia	C9010	C9010 Plasma cell leukemia not having achieved remission
Leukemia	C9011	C9011 Plasma cell leukemia in remission
Leukemia	C9020	C9020 Extramedullary plasmacytoma not having achieved remission
Leukemia	C9021	C9021 Extramedullary plasmacytoma in remission
		C9030 Solitary plasmacytoma not having achieved remission
Leukemia	C9030	., ,
Leukemia	C9031	C9031 Solitary plasmacytoma in remission
Leukemia	C9100	C9100 Acute lymphoblastic leukemia not having achieved remission
Leukemia	C9101	C9101 Acute lymphoblastic leukemia, in remission
Leukemia	C9102	C9102 Acute lymphoblastic leukemia, in relapse
Leukemia	C9110	C9110 Chronic lymphocytic leukemia of B-cell type not having achieved remission
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Leukemia	C9111	C9111 Chronic lymphocytic leukemia of B-cell type in remission
Leukemia	C9112	C9112 Chronic lymphocytic leukemia of B-cell type in relapse
Leukemia	C9130	C9130 Prolymphocytic leukemia of B-cell type not having achieved remission
Leukemia	C9131	C9131 Prolymphocytic leukemia of B-cell type, in remission
Leukemia	C9132	C9132 Prolymphocytic leukemia of B-cell type, in relapse
Leukemia	C9150	C9150 Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission
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Comorbidity	ICD-10 Diagnosis Code	Description
Leukemia	C9151	C9151 Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission
Leukemia	C9152	C9152 Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse
Leukemia	C9160	C9160 Prolymphocytic leukemia of T-cell type not having achieved remission
Leukemia	C9161	C9161 Prolymphocytic leukemia of T-cell type, in remission
		C9162 Prolymphocytic leukemia of T-cell type, in relapse
Leukemia	C9162	
Leukemia	C9190	C9190 Lymphoid leukemia, unspecified not having achieved remission
Leukemia	C9191	C9191 Lymphoid leukemia, unspecified, in remission
Leukemia	C9192	C9192 Lymphoid leukemia, unspecified, in relapse
Leukemia	C91A0	C91A0 Mature B-cell leukemia Burkitt-type not having achieved remission
Leukemia	C91A1	C91A1 Mature B-cell leukemia Burkitt-type, in remission
Leukemia	C91A2	C91A2 Mature B-cell leukemia Burkitt-type, in relapse
Leukemia	C91Z0	C91Z0 Other lymphoid leukemia not having achieved remission
Leukemia	C91Z1	C91Z1 Other lymphoid leukemia, in remission
Leukemia	C91Z2	C91Z2 Other lymphoid leukemia, in relapse
Leukemia	C9200	C9200 Acute myeloblastic leukemia, not having achieved remission
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Leukemia	C9201	C9201 Acute myeloblastic leukemia, in remission
Leukemia	C9202	C9202 Acute myeloblastic leukemia, in relapse
Leukemia	C9210	C9210 Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission
Leukemia	C9211	C9211 Chronic myeloid leukemia, BCR/ABL-positive, in remission
Leukemia	C9212	C9212 Chronic myeloid leukemia, BCR/ABL-positive, in relapse
Leukemia	C9220	C9220 Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission
Leukemia	C9221	C9221 Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission
Leukemia	C9222	C9222 Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse
Leukemia	C9230	C9230 Myeloid sarcoma, not having achieved remission
Leukemia	C9231	C9231 Myeloid sarcoma, in remission
Leukemia	C9232	C9232 Myeloid sarcoma, in relapse
Leukemia	C9240	C9240 Acute promyelocytic leukemia, not having achieved remission
Leukemia	C9241	C9241 Acute promyelocytic leukemia, in remission
Leukemia	C9242	C9242 Acute promyelocytic leukemia, in relapse
Leukemia	C9250	C9250 Acute myelomonocytic leukemia, not having achieved remission
Leukemia	C9251	C9251 Acute myelomonocytic leukemia, in remission
Leukemia	C9252	C9252 Acute myelomonocytic leukemia, in relapse
Leukemia	C9260	C9260 Acute myeloid leukemia with 11q23-abnormality not having achieved remission
Leukeiiila	C3200	C) ZOO Acute Injectora leukennia with 11423-autolinianty not having achieved remission
Loukomia	60361	CO361 Acute muslaid lautemia with 11a22 abasemalitu in remission
Leukemia	C9261	C9261 Acute myeloid leukemia with 11q23-abnormality in remission
Leukemia	C9262	C9262 Acute myeloid leukemia with 11q23-abnormality in relapse
Leukemia	C9290	C9290 Myeloid leukemia, unspecified, not having achieved remission
Leukemia	C9291	C9291 Myeloid leukemia, unspecified in remission
Leukemia	C9292	C9292 Myeloid leukemia, unspecified in relapse
Leukemia	C92A0	C92A0 Acute myeloid leukemia with multilineage dysplasia, not having achieved remission
Leukemia	C92A1	C92A1 Acute myeloid leukemia with multilineage dysplasia, in remission
Leukemia	C92A2	C92A2 Acute myeloid leukemia with multilineage dysplasia, in relapse
Leukemia	C92Z0	C92Z0 Other myeloid leukemia not having achieved remission
Leukemia	C92Z1	C92Z1 Other myeloid leukemia, in remission
Leukemia	C92Z2	C92Z2 Other myeloid leukemia, in relapse
Leukemia	C9300	C9300 Acute monoblastic/monocytic leukemia, not having achieved remission
Leakerina	63300	esso react monoplastiq monocytic teaching, not having achieved remission
Laukomia	C0201	CO201 Asuta manablastic/managutis laukamia, in remission
Leukemia	C9301	C9301 Acute monoblastic/monocytic leukemia, in remission
Leukemia	C9302	C9302 Acute monoblastic/monocytic leukemia, in relapse
Leukemia	C9310	C9310 Chronic myelomonocytic leukemia not having achieved remission
Leukemia	C9311	C9311 Chronic myelomonocytic leukemia, in remission
Leukemia	C9312	C9312 Chronic myelomonocytic leukemia, in relapse
Leukemia	C9330	C9330 Juvenile myelomonocytic leukemia, not having achieved remission
Leukemia	C9331	C9331 Juvenile myelomonocytic leukemia, in remission
Leukemia	C9332	C9332 Juvenile myelomonocytic leukemia, in relapse
Leukemia	C9390	C9390 Monocytic leukemia, unspecified, not having achieved remission
Leukemia	C9391	C9391 Monocytic leukemia, unspecified in remission
Leukemia	C9392	C9392 Monocytic leukemia, unspecified in relapse
Leukemia	C93Z0	C93Z0 Other monocytic leukemia, not having achieved remission
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Leukemia	C93Z1	C9321 Other monocytic leukemia, in remission
Leukemia	C93Z2	C93Z2 Other monocytic leukemia, in relapse
Leukemia	C9400	C9400 Acute erythroid leukemia, not having achieved remission
Leukemia	C9401	C9401 Acute erythroid leukemia, in remission
Leukemia	C9402	C9402 Acute erythroid leukemia, in relapse
Leukemia	C9420	C9420 Acute megakaryoblastic leukemia not having achieved remission
Leukemia	C9421	C9421 Acute megakaryoblastic leukemia, in remission
Leukemia	C9422	C9422 Acute megakaryoblastic leukemia, in relapse
Leukemia	C9430	C9430 Mast cell leukemia not having achieved remission
Leukemia	C9431	C9431 Mast cell leukemia, in remission
Leukemia	C9432	C9432 Mast cell leukemia, in relapse
Leukemia	C9480	C9480 Other specified leukemias not having achieved remission
Leukemia	C9481	C9481 Other specified leukemias, in remission
Leukemia	C9482	C9482 Other specified leukemias, in relapse
Leukemia	C9500	C9500 Acute leukemia of unspecified cell type not having achieved remission
Leukemia	C9501	C9501 Acute leukemia of unspecified cell type, in remission
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Comorbidity	ICD-10 Diagnosis Code	Description
Leukemia	C9502	C9502 Acute leukemia of unspecified cell type, in relapse
Leukemia	C9510	C9510 Chronic leukemia of unspecified cell type not having achieved remission
Leukemia	C9511	C9511 Chronic leukemia of unspecified cell type, in remission
Leukemia	C9512	C9512 Chronic leukemia of unspecified cell type, in relapse
Leukemia	C9590	C9590 Leukemia, unspecified not having achieved remission
Leukemia	C9591	C9591 Leukemia, unspecified, in remission
Leukemia	C9592	C9592 Leukemia, unspecified, in relapse
Leukemia	D45	D45 Polycythemia vera
Lymphoma	C8100	C8100 Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site
Lymphoma	C8101	C8101 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8102	C8102 Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8103	C8103 Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8104	C8104 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8105	C8105 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8106	C8106 Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma	C8107	C8107 Nodular lymphocyte predominant Hodgkin lymphoma, spleen
Lymphoma	C8108	C8108 Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8109	C8109 Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites
Lymphoma	C8110	C8110 Nodular sclerosis classical Hodgkin lymphoma, unspecified site
Lymphoma	C8111	C8111 Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8112	C8112 Nodular sclerosis classical Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8113	C8113 Nodular sclerosis classical Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8114	C8114 Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8115	C8115 Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8116	C8116 Nodular sclerosis classical Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma Lymphoma	C8117 C8118	C8117 Nodular sclerosis classical Hodgkin lymphoma, spleen C8118 Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8119	C8119 Nodular sclerosis classical Hodgkin lymphoma, extranodal and solid organ sites
Lymphoma Lymphoma	C8120 C8121	C8120 Mixed cellularity classical Hodgkin lymphoma, unspecified site C8121 Mixed cellularity classical Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8122	C8122 Mixed cellularity classical Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8123	C8123 Mixed cellularity classical Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8124	C8124 Mixed cellularity classical Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8125	C8125 Mixed cellularity classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8126	C8126 Mixed cellularity classical Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma Lymphoma	C8127 C8128	C8127 Mixed cellularity classical Hodgkin lymphoma, spleen C8128 Mixed cellularity classical Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8129	C8129 Mixed cellularity classical Hodgkin lymphoma, extranodal and solid organ sites
Lymphoma Lymphoma	C8130 C8131	C8130 Lymphocyte depleted classical Hodgkin lymphoma, unspecified site C8131 Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8132	C8132 Lymphocyte depleted classical Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8133	C8133 Lymphocyte depleted classical Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8134	C8134 Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8135	C8135 Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8136	C8136 Lymphocyte depleted classical Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma	C8137	C8137 Lymphocyte depleted classical Hodgkin lymphoma, spleen

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	C8138	C8138 Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8139	C8139 Lymphocyte depleted classical Hodgkin lymphoma, extranodal and solid organ sites
	00440	
Lymphoma	C8140	C8140 Lymphocyte-rich classical Hodgkin lymphoma, unspecified site
Lymphoma	C8141	C8141 Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphema	C9142	C01/12 Lymphocyta rich classical Hadrikin lymphoma, intenthoracia lymph padas
Lymphoma	C8142	C8142 Lymphocyte-rich classical Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8143	C8143 Lymphocyte-rich classical Hodgkin lymphoma, intra-abdominal lymph nodes
2,	00113	Co. 10 - yn priody (co. 100 -
Lymphoma	C8144	C8144 Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8145	C8145 Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8146	C8146 Lymphocyte-rich classical Hodgkin lymphoma, intrapelvic lymph nodes
Lumphama	C8147	C9147 Lumphonto rich classical Haddisia Lumphoma calcon
Lymphoma Lymphoma	C8147	C8147 Lymphocyte-rich classical Hodgkin lymphoma, spleen C8148 Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma .	C0140	COL40 Eyriphocyte-nar diasacar noughin ymphoria, rymph noues or marapie sites
Lymphoma	C8149	C8149 Lymphocyte-rich classical Hodgkin lymphoma, extranodal and solid organ sites
		· · · · · · · · · · · · · · · · · · ·
Lymphoma	C8170	C8170 Other classical Hodgkin lymphoma, unspecified site
Lymphoma	C8171	C8171 Other classical Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8172	C8172 Other classical Hodgkin lymphoma, intrathoracic lymph nodes
Lymphoma	C8173	C8173 Other classical Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8174	C8174 Other classical Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8175	C8175 Other classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Суптрпотпа	C6173	Co173 Other Classical Houghin lympholina, lymph houes of inguinal region and lower limb
Lymphoma	C8176	C8176 Other classical Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma	C8177	C8177 Other classical Hodgkin lymphoma, spleen
Lymphoma	C8178	C8178 Other classical Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8179	C8179 Other classical Hodgkin lymphoma, extranodal and solid organ sites
Lymphoma	C8190	C8190 Hodgkin lymphoma, unspecified, unspecified site
Lymphoma	C8191	C8191 Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck
Lymphoma	C8192	C8192 Hodgkin lymphoma, unspecified, intrathoracic lymph nodes
Lymphoma	C8193	C8193 Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes
Lymphoma	C8194	C8194 Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb
Lymphoma	C8195	C8195 Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb
Lumphama	C9106	COLOC Haddiin lumphama unspecified intrapoliis lumph pades
Lymphoma Lymphoma	C8196 C8197	C8196 Hodgkin lymphoma, unspecified, intrapelvic lymph nodes C8197 Hodgkin lymphoma, unspecified, spleen
Lymphoma	C8198	C8198 Hodgkin lymphoma, unspecified, lymph nodes of multiple sites
Lymphoma	C8199	C8199 Hodgkin lymphoma, unspecified, extranodal and solid organ sites
Lymphoma	C8200	C8200 Follicular lymphoma grade I, unspecified site
Lymphoma	C8201	C8201 Follicular lymphoma grade I, lymph nodes of head, face, and neck
Lymphoma	C8202	C8202 Follicular lymphoma grade I, intrathoracic lymph nodes
Lymphoma	C8203	C8203 Follicular lymphoma grade I, intra-abdominal lymph nodes
Lymphoma	C8204	C8204 Follicular lymphoma grade I, lymph nodes of axilla and upper limb
Lymphoma	C8205	C8205 Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb
Lymphoma	C8206	C8206 Follicular lymphoma grade I, intrapelvic lymph nodes
Lymphoma	C8207	C8207 Follicular lymphoma grade I, spleen
Lymphoma	C8208	C8208 Follicular lymphoma grade I, lymph nodes of multiple sites
Lymphoma	C8209	C8209 Follicular lymphoma grade I, extranodal and solid organ sites
Lymphoma	C8210	C8210 Follicular lymphoma grade II, unspecified site C8211 Follicular lymphoma grade II, lymph nodes of head, face, and neck
Lymphoma Lymphoma	C8211 C8212	C8211 Follicular lymphoma grade II, lymph nodes of nead, race, and neck C8212 Follicular lymphoma grade II, intrathoracic lymph nodes
Lymphoma	C8213	C8213 Follicular lymphoma grade II, intra-titoracic lymph nodes
Lymphoma	C8214	C8214 Follicular lymphoma grade II, Ilma abdolinina lymph nodes C8214 Follicular lymphoma grade II, lymph nodes of axilla and upper limb
Lymphoma	C8215	C8215 Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb
Lymphoma	C8216	C8216 Follicular lymphoma grade II, intrapelvic lymph nodes
Lymphoma	C8217	C8217 Follicular lymphoma grade II, spleen
Lymphoma	C8218	C8218 Follicular lymphoma grade II, lymph nodes of multiple sites
Lymphoma	C8219	C8219 Follicular lymphoma grade II, extranodal and solid organ sites
Lymphoma	C8220	C8220 Follicular lymphoma grade III, unspecified, unspecified site
Lymphoma	C8221	C8221 Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck
Lumphoma	cessa	C0222 Falligular lumphama grade III. unconsided introtherasis lumph
Lymphoma	C8222 C8223	C8222 Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes C8223 Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes
Lymphoma	C0223	CO223 i Onicular iyinipiioina grade iii, diispecined, iittid-duddiiiilal iyinipii nodes
Lymphoma	C8224	C8224 Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb
		The second secon
Lymphoma	C8225	C8225 Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	C8226	C8226 Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes
Lymphoma	C8227	C8227 Follicular lymphoma grade III, unspecified, spleen
Lymphoma	C8228	C8228 Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites
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Lymphoma	C8229	C8229 Follicular lymphoma grade III, unspecified, extranodal and solid organ sites
Lymphoma	C8230	C8230 Follicular lymphoma grade IIIa, unspecified site
Lymphoma	C8231	C8231 Follicular lymphoma grade Illa, lymph nodes of head, face, and neck
Lymphoma	C8232	C8232 Follicular lymphoma grade Illa, intrathoracic lymph nodes
Lymphoma	C8233	C8233 Follicular lymphoma grade Illa, intra-abdominal lymph nodes
Lymphoma	C8234	C8234 Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb
Lymphoma	C8235	C8235 Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb
Lymphoma	C8236	C8236 Follicular lymphoma grade IIIa, intrapelvic lymph nodes
Lymphoma	C8237	C8237 Follicular lymphoma grade Illa, spleen
Lymphoma	C8238	C8238 Follicular lymphoma grade Illa, lymph nodes of multiple sites
Lymphoma	C8239	C8239 Follicular lymphoma grade Illa, extranodal and solid organ sites
Lymphoma	C8240	C8240 Follicular lymphoma grade IIIb, unspecified site
Lymphoma	C8241	C8241 Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck
Lymphoma	C8242	C8242 Follicular lymphoma grade IIIb, intrathoracic lymph nodes
Lymphoma	C8243	C8243 Follicular lymphoma grade IIIb, intra-abdominal lymph nodes
Lymphoma	C8244	C8244 Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb
Lymphoma	C8245	C8245 Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb
Lymphoma	C8246	C8246 Follicular lymphoma grade IIIb, intrapelvic lymph nodes
Lymphoma	C8247	C8247 Follicular lymphoma grade IIIb, spleen
Lymphoma	C8248	C8248 Follicular lymphoma grade IIIb, lymph nodes of multiple sites
Lymphoma	C8249	C8249 Follicular lymphoma grade IIIb, extranodal and solid organ sites
Lymphoma	C8250	C8250 Diffuse follicle center lymphoma, unspecified site
Lymphoma	C8251	C8251 Diffuse follicle center lymphoma, lymph nodes of head, face, and neck
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Lymphoma	C8252	C8252 Diffuse follicle center lymphoma, intrathoracic lymph nodes
Lymphoma	C8253	C8253 Diffuse follicle center lymphoma, intra-abdominal lymph nodes
Lymphoma	C8254	C8254 Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8255	C8255 Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb
суптрпотпа	C8233	Co233 birtuse folicie center tympholita, tymph flodes of mgainar region and lower milb
Lymphoma	C8256	C8256 Diffuse follicle center lymphoma, intrapelvic lymph nodes
Lymphoma	C8257	C8257 Diffuse follicle center lymphoma, spleen
Lymphoma	C8258	C8258 Diffuse follicle center lymphoma, lymph nodes of multiple sites
Lymphoma	C8259	C8259 Diffuse follicle center lymphoma, extranodal and solid organ sites
Lymphoma	C8260	C8260 Cutaneous follicle center lymphoma, unspecified site
Lymphoma	C8261	C8261 Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8262	C8262 Cutaneous follicle center lymphoma, intrathoracic lymph nodes
Lymphoma	C8263	C8263 Cutaneous follicle center lymphoma, intra-abdominal lymph nodes
Lymphoma	C8264	C8264 Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8265	C8265 Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8266	C8266 Cutaneous follicle center lymphoma, intrapelvic lymph nodes
Lymphoma	C8267	C8267 Cutaneous follicle center lymphoma, spleen
Lymphoma	C8268	C8268 Cutaneous follicle center lymphoma, lymph nodes of multiple sites
Lymphoma	C8269	C8269 Cutaneous follicle center lymphoma, extranodal and solid organ sites
Lymphoma	C8280	C8280 Other types of follicular lymphoma, unspecified site
Lymphoma	C8281	C8281 Other types of follicular lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8282	C8282 Other types of follicular lymphoma, intrathoracic lymph nodes
Lymphoma	C8283	C8283 Other types of follicular lymphoma, intra-abdominal lymph nodes
Lymphoma	C8284	C8284 Other types of follicular lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8285	C8285 Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8286	C8286 Other types of follicular lymphoma, intrapelvic lymph nodes
Lymphoma	C8287	C8287 Other types of follicular lymphoma, spleen
Lymphoma	C8288	C8288 Other types of follicular lymphoma, lymph nodes of multiple sites
Lymphoma	C8289	C8289 Other types of follicular lymphoma, extranodal and solid organ sites
Lymphoma	C8290	C8290 Follicular lymphoma, unspecified, unspecified site
Lymphoma	C8291	C8291 Follicular lymphoma, unspecified, lymph nodes of head, face, and neck
Lymphoma	C8292	C8292 Follicular lymphoma, unspecified, intrathoracic lymph nodes
Lymphoma	C8293	C8293 Follicular lymphoma, unspecified, intra-abdominal lymph nodes
Lymphoma	C8294	C8294 Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb
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Lymphoma	C8295	C8295 Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb
Lymphoma	C8296	C8296 Follicular lymphoma, unspecified, intrapelvic lymph nodes
Lymphoma	C8297	C8297 Follicular lymphoma, unspecified, spleen
Lymphoma	C8298	C8298 Follicular lymphoma, unspecified, lymph nodes of multiple sites

Comorbidity	ICD-10 Diagnosis Code	Description
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Lymphoma	C8299	C8299 Follicular lymphoma, unspecified, extranodal and solid organ sites
Lymphoma	C8300	C8300 Small cell B-cell lymphoma, unspecified site
Lymphoma	C8301	C8301 Small cell B-cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8302	C8302 Small cell B-cell lymphoma, intrathoracic lymph nodes
Lymphoma	C8303	C8303 Small cell B-cell lymphoma, intra-abdominal lymph nodes
Lymphoma	C8304	C8304 Small cell B-cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8305	C8305 Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8306	C8306 Small cell B-cell lymphoma, intrapelvic lymph nodes
Lymphoma	C8307	C8307 Small cell B-cell lymphoma, spleen
Lymphoma	C8308	C8308 Small cell B-cell lymphoma, lymph nodes of multiple sites
Lymphoma	C8309	C8309 Small cell B-cell lymphoma, extranodal and solid organ sites
Lymphoma	C8310	C8310 Mantle cell lymphoma, unspecified site
Lymphoma	C8311	C8311 Mantle cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8312	C8312 Mantle cell lymphoma, intrathoracic lymph nodes
Lymphoma	C8313	C8313 Mantle cell lymphoma, intra-abdominal lymph nodes
Lymphoma	C8314	C8314 Mantle cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8315	C8315 Mantle cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8316	C8316 Mantle cell lymphoma, intrapelvic lymph nodes
Lymphoma	C8317	C8317 Mantle cell lymphoma, spleen
Lymphoma	C8318	C8318 Mantle cell lymphoma, lymph nodes of multiple sites
Lymphoma	C8319	C8319 Mantle cell lymphoma, extranodal and solid organ sites
		, , ,
Lymphoma	C8330	C8330 Diffuse large B-cell lymphoma, unspecified site
Lymphoma	C8331	C8331 Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8332	C8332 Diffuse large B-cell lymphoma, intrathoracic lymph nodes
Lymphoma	C8333	C8333 Diffuse large B-cell lymphoma, intra-abdominal lymph nodes
Lymphoma	C8334	C8334 Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8335	C8335 Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8336	C8336 Diffuse large B-cell lymphoma, intrapelvic lymph nodes
Lymphoma	C8337	C8337 Diffuse large B-cell lymphoma, spleen
Lymphoma	C8338	C8338 Diffuse large B-cell lymphoma, lymph nodes of multiple sites
Lymphoma	C8339	C8339 Diffuse large B-cell lymphoma, extranodal and solid organ sites
Lymphoma	C8350	C8350 Lymphoblastic (diffuse) lymphoma, unspecified site
Lymphoma	C8351	C8351 Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8352	C8352 Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes
Lymphoma	C8353	C8353 Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes
Lymphoma	C8354	C8354 Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb
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Lymphoma	C8355	C8355 Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	60333	coss symphosiastic (unitase) symphosiae, symphosiae of ingulari region and lower mile
1	60356	COSEC Lymphoblastic (different lymphosos) interpretain between the lymphosos
Lymphoma	C8356	C8356 Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes
Lymphoma	C8357	C8357 Lymphoblastic (diffuse) lymphoma, spleen
Lymphoma	C8358	C8358 Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites
Lymphoma	C8359	C8359 Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites
Lymphoma	C8370	C8370 Burkitt lymphoma, unspecified site
Lymphoma	C8371	C8371 Burkitt lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8372	C8372 Burkitt lymphoma, intrathoracic lymph nodes
Lymphoma	C8373	C8373 Burkitt lymphoma, intra-abdominal lymph nodes
Lymphoma	C8374	C8374 Burkitt lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8375	C8375 Burkitt lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8376	C8376 Burkitt lymphoma, intrapelvic lymph nodes
Lymphoma	C8377	C8377 Burkitt lymphoma, spleen
Lymphoma	C8378	C8378 Burkitt lymphoma, lymph nodes of multiple sites
	C8379	C8379 Burkitt lymphoma, extranodal and solid organ sites
Lymphoma		, , ,
Lymphoma	C8380	C8380 Other non-follicular lymphoma, unspecified site
Lymphoma	C8381	C8381 Other non-follicular lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8382	C8382 Other non-follicular lymphoma, intrathoracic lymph nodes
Lymphoma	C8383	C8383 Other non-follicular lymphoma, intra-abdominal lymph nodes
Lymphoma	C8384	C8384 Other non-follicular lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8385	C8385 Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	0000	COSCO CERTE FOR CONTINUES OF THE PROPERTY OF T
Lumanhau	69396	COOC Observe falligate hands are introductional and
Lymphoma	C8386	C8386 Other non-follicular lymphoma, intrapelvic lymph nodes
Lymphoma	C8387	C8387 Other non-follicular lymphoma, spleen
Lymphoma	C8388	C8388 Other non-follicular lymphoma, lymph nodes of multiple sites
Lymphoma	C8389	C8389 Other non-follicular lymphoma, extranodal and solid organ sites
Lymphoma	C8390	C8390 Non-follicular (diffuse) lymphoma, unspecified, unspecified site
Lymphoma	C8391	C8391 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck
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Lymphoma	C8392	C8392 Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes
Lymphoma	C0332	2002 Ton Jonatha (unitady symptoma) anapositica, intraduoratic symptomas
Lymphoma	C8393	C8393 Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes
суттрионна	C0333	Cosse non-contental fundase, tyritpitoina, unspecificu, intra-audorimia tyritpit nodes
Lymphoma	C8394	C8394 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb
-ympnoma	C0334	Ton Tonicular (unitale) symptoma, unspecimen, symptimizes on axina and upper illinu
Lymphoma	C8395	C8395 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb
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Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	C8396	C8396 Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes
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Lymphoma	C8397	C8397 Non-follicular (diffuse) lymphoma, unspecified, spleen
Lymphoma	C8398	C8398 Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites
Lymphoma	60330	cosso non folicatal (amase) (implement, implements) of matters sites
Lymphoma	C8399	C8399 Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites
Lymphoma	C8399	Cooper Notificial (unituse) lympholita, unspecified, extranodal and solid digan sites
Lucialisa	C0400	COMO Mussis function was affect the
Lymphoma	C8400	C8400 Mycosis fungoides, unspecified site
Lymphoma	C8401	C8401 Mycosis fungoides, lymph nodes of head, face, and neck
Lymphoma	C8402	C8402 Mycosis fungoides, intrathoracic lymph nodes
Lymphoma	C8403	C8403 Mycosis fungoides, intra-abdominal lymph nodes
Lymphoma	C8404	C8404 Mycosis fungoides, lymph nodes of axilla and upper limb
Lymphoma	C8405	C8405 Mycosis fungoides, lymph nodes of inguinal region and lower limb
Lymphoma	C8406	C8406 Mycosis fungoides, intrapelvic lymph nodes
Lymphoma	C8407	C8407 Mycosis fungoides, spleen
Lymphoma	C8408	C8408 Mycosis fungoides, lymph nodes of multiple sites
Lymphoma	C8409	C8409 Mycosis fungoides, extranodal and solid organ sites
Lymphoma	C8410	C8410 Sezary disease, unspecified site
Lymphoma	C8411	C8411 Sezary disease, lymph nodes of head, face, and neck
Lymphoma	C8412	C8412 Sezary disease, intrathoracic lymph nodes
Lymphoma	C8413	C8413 Sezary disease, intra-abdominal lymph nodes
Lymphoma	C8414	C8414 Sezary disease, lymph nodes of axilla and upper limb
Lymphoma	C8415	C8415 Sezary disease, lymph nodes of inguinal region and lower limb
Lymphoma	C8416	C8416 Sezary disease, intrapelvic lymph nodes
Lymphoma	C8417	C8417 Sezary disease, spleen
Lymphoma	C8418	C8418 Sezary disease, lymph nodes of multiple sites
Lymphoma	C8419	C8419 Sezary disease, extranodal and solid organ sites
Lymphoma	C8440	C8440 Peripheral T-cell lymphoma, not classified, unspecified site
Lymphoma	C8441	C8441 Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck
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Lymphoma	C8442	C8442 Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes
Lymphoma	C8443	C8443 Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes
Lymphoma	C8444	C8444 Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb
Lymphoma	C8445	C8445 Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb
Lymphoma	C8446	C8446 Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes
Lymphoma	C8447	C8447 Peripheral T-cell lymphoma, not classified, spleen
Lymphoma	C8448	C8448 Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites
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Lymphoma	C8449	C8449 Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites
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Lymphoma	C8460	C8460 Anaplastic large cell lymphoma, ALK-positive, unspecified site
Lymphoma	C8461	C8461 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck
Lymphoma	C0401	Co-to 1 Anapiastic large centry in prioritie, Activities of the adv. face, and face.
Lucialisa	60463	COACO Annalastia la ser atili buran harra Al V analatira interath annia buranta andre
Lymphoma	C8462	C8462 Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes
Lymphoma	C8463	C8463 Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes
Lymphoma	C8464	C8464 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb
Lymphoma	C8465	C8465 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb
Lymphoma	C8466	C8466 Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes
Lymphoma	C8467	C8467 Anaplastic large cell lymphoma, ALK-positive, spleen
Lymphoma	C8468	C8468 Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites
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Lumphama	C8469	C8469 Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites
Lymphoma	C6469	Co409 Anapiasuc large cen lymphoma, Alx-positive, extranoual and solid organisites
Lymphoma	C8470	C8470 Anaplastic large cell lymphoma, ALK-negative, unspecified site
Lymphoma	C8471	C8471 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck
Lymphoma	C8472	C8472 Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes
Lymphoma	C8473	C8473 Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes
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Lymphoma	C8474	C8474 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb
Lymphoma	C8475	C8475 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb
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Lymphoma	C8476	C9476 Anaplastic large cell lymphoma. Al K-negative, intranelyic lymph podes
Lymphoma	C8476	C8476 Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes
Lumphon -	C9477	C9477 Applicationary call hyphama. All Vinogative splane
Lymphoma	C8477	C8477 Anaplastic large cell lymphoma, AlK-negative, spleen
Lymphoma	C8478	C8478 Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites
Lymphoma	C8479	C8479 Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	C8490	C8490 Mature T/NK-cell lymphomas, unspecified, unspecified site
Lymphoma	C8491	C8491 Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck
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Lymphoma	C8492	C8492 Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes
	C8493	C8493 Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes
Lymphoma	C6493	Co493 Mature 1/NK-Ceil lymphomas, unspecined, intra-abdominal lymph nodes
	60404	COLOMA TANK III I I I I I I I I I I I I I I I I I
Lymphoma	C8494	C8494 Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb
Lymphoma	C8495	C8495 Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb
Lymphoma	C8496	C8496 Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes
Lymphoma	C8497	C8497 Mature T/NK-cell lymphomas, unspecified, spleen
Lymphoma	C8498	C8498 Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites
Lymphoma	C8499	C8499 Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites
Lymphoma	C84A0	C84A0 Cutaneous T-cell lymphoma, unspecified, unspecified site
Lymphoma	C84A1	C84A1 Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck
Lymphoma	C84A2	C84A2 Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes
Lymphoma	C84A3	C84A3 Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes
Lymphoma	C84A4	C84A4 Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb
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Lymphoma	C84A5	C84A5 Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb
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Lymphoma	C84A6	C84A6 Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes
Lymphoma	C84A7	C84A7 Cutaneous T-cell lymphoma, unspecified, spleen
Lymphoma	C84A8	C84A8 Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites
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Lymphoma	C84A9	C84A9 Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites
Lymphoma	C84Z0	C84Z0 Other mature T/NK-cell lymphomas, unspecified site
Lymphoma	C84Z1	C84Z1 Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck
Lymphoma	C84Z2	C84Z2 Other mature T/NK-cell lymphomas, intrathoracic lymph nodes
Lymphoma	C84Z3	C84Z3 Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes
Lymphoma	C84Z4	C84Z4 Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb
Lymphoma	C84Z5	C84Z5 Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb
Lymphoma	C84Z6	C84Z6 Other mature T/NK-cell lymphomas, intrapelvic lymph nodes
Lymphoma	C84Z7	C84Z7 Other mature T/NK-cell lymphomas, spleen
Lymphoma	C84Z8	C84Z8 Other mature T/NK-cell lymphomas, lymph nodes of multiple sites
Lymphoma	C84Z9	C84Z9 Other mature T/NK-cell lymphomas, extranodal and solid organ sites
Lymphoma	C8510	C8510 Unspecified B-cell lymphoma, unspecified site
Lymphoma	C8511	C8511 Unspecified B-cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8512	C8512 Unspecified B-cell lymphoma, intrathoracic lymph nodes
Lymphoma	C8513	C8513 Unspecified B-cell lymphoma, intra-abdominal lymph nodes
Lymphoma	C8514	C8514 Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8515	C8515 Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb
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Lymnhoma	C8516	C8516 Unspecified B-cell lymphoma, intrapelvic lymph nodes
Lymphoma Lymphoma	C8516	
	C8518	C8517 Unspecified B-cell lymphoma, spleen C8518 Unspecified B-cell lymphoma, lymph nodes of multiple sites
Lymphoma		
Lymphoma	C8519	C8519 Unspecified B-cell lymphoma, extranodal and solid organ sites
Lymphoma	C8520	C8520 Mediastinal (thymic) large B-cell lymphoma, unspecified site
Lymphoma	C8521	C8521 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8522	C8522 Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes
Lymphoma	C8523	C8523 Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes
Lymphoma	C8524	C8524 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8525	C8525 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8526	C8526 Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes
Lymphoma	C8527	C8527 Mediastinal (thymic) large B-cell lymphoma, spleen
Lymphoma	C8528	C8528 Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites
-1	20320	(while we continue of the continue of th
Lymphoma	C8530	C9529 Madiastinal (thumic) large R-cell lymphoma, extrapodal and celld organistics
Lymphoma	C8529	C8529 Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites
Lucasalasa	COFOO	COTOO Obbassasified have a face Haddid have been a specified.
Lymphoma	C8580	C8580 Other specified types of non-Hodgkin lymphoma, unspecified site
Lymphoma	C8581	C8581 Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck
Lymphoma	C8582	C8582 Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes

Comorbidity	ICD-10 Diagnosis Code	Description
Lymphoma	C8583	C8583 Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes
Lymphoma	C8584	C8584 Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb
Lymphoma	C8585	C8585 Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb
Lymphoma	C8586	C8586 Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes
Lymphoma	C8587	C8587 Other specified types of non-Hodgkin lymphoma, spleen
Lymphoma	C8588	C8588 Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites
Lymphoma	C8589	C8589 Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites
Lymphoma	C8590	C8590 Non-Hodgkin lymphoma, unspecified, unspecified site
Lymphoma	C8591	C8591 Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck
Lymphoma	C8592	C8592 Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes
Lymphoma	C8593	C8593 Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes
Lymphoma	C8594	C8594 Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb
Lymphoma	C8595	C8595 Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb
Lymphoma	C8596	C8596 Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes
Lymphoma	C8597	C8597 Non-Hodgkin lymphoma, unspecified, spleen
Lymphoma	C8598	C8598 Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites
Lymphoma	C8599	C8599 Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites
Lymphoma	C860	C860 Extranodal NK/T-cell lymphoma, nasal type
Lymphoma	C861	C861 Hepatosplenic T-cell lymphoma
Lymphoma	C862	C862 Enteropathy-type (intestinal) T-cell lymphoma
Lymphoma	C863	C863 Subcutaneous panniculitis-like T-cell lymphoma
Lymphoma	C864	C864 Blastic NK-cell lymphoma
Lymphoma	C865	C865 Angioimmunoblastic T-cell lymphoma
Lymphoma	C866	C866 Primary cutaneous CD30-positive T-cell proliferations
Lymphoma	C884	C884 Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]
Lymphoma	C9140	C9140 Hairy cell leukemia not having achieved remission
Lymphoma	C9141	C9141 Hairy cell leukemia, in remission
Lymphoma	C9142	C9142 Hairy cell leukemia, in relapse
Lymphoma	C960	C960 Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis
Lymphoma	C962	C962 Malignant mast cell tumor
Lymphoma	C964	C964 Sarcoma of dendritic cells (accessory cells)
Lymphoma	C969	C969 Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified
Lymphoma	C96A	C96A Histiocytic sarcoma
Lymphoma	C96Z	C96Z Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue
Lymphoma	D47Z1	D47Z1 Post-transplant lymphoproliferative disorder (PTLD)
Metastatic	C770	C770 Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck
Metastatic	C771	C771 Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes
Metastatic	C772	C772 Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes
Metastatic	C773	C773 Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes
Metastatic	C774	C774 Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes
Metastatic	C775	C775 Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes
Metastatic	C778	C778 Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions
Metastatic	C779	C779 Secondary and unspecified malignant neoplasm of lymph node, unspecified
Metastatic	C7800	C7800 Secondary malignant neoplasm of unspecified lung
Metastatic	C7801	C7801 Secondary malignant neoplasm of right lung
Metastatic	C7802	C7802 Secondary malignant neoplasm of left lung
Metastatic	C781	C781 Secondary malignant neoplasm of mediastinum
Metastatic	C782	C782 Secondary malignant neoplasm of pleura
Metastatic	C7830	C7830 Secondary malignant neoplasm of unspecified respiratory organ
Metastatic	C7839	C7839 Secondary malignant neoplasm of other respiratory organs
Metastatic	C784	C784 Secondary malignant neoplasm of small intestine
Metastatic	C785	C785 Secondary malignant neoplasm of large intestine and rectum
Metastatic	C786	C786 Secondary malignant neoplasm of retroperitoneum and peritoneum
Metastatic	C787	C787 Secondary malignant neoplasm of liver and intrahepatic bile duct
Metastatic	C7880	C7880 Secondary malignant neoplasm of unspecified digestive organ
Metastatic	C7889	C7889 Secondary malignant neoplasm of other digestive organs
Metastatic	C7900	C7900 Secondary malignant neoplasm of unspecified kidney and renal pelvis

Comorbidity	ICD-10 Diagnosis Code	Description
Metastatic	C7901	C7901 Secondary malignant neoplasm of right kidney and renal pelvis
Metastatic	C7902	C7902 Secondary malignant neoplasm of left kidney and renal pelvis
Metastatic	C7910	C7910 Secondary malignant neoplasm of unspecified urinary organs
Metastatic	C7911	C7911 Secondary malignant neoplasm of bladder
Metastatic	C7919	C7919 Secondary malignant neoplasm of other urinary organs
Metastatic	C792	C792 Secondary malignant neoplasm of skin
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Metastatic	C7931	C7931 Secondary malignant neoplasm of brain
Metastatic	C7932	C7932 Secondary malignant neoplasm of cerebral meninges
Metastatic	C7940	C7940 Secondary malignant neoplasm of unspecified part of nervous system
Metastatic	C7949	C7949 Secondary malignant neoplasm of other parts of nervous system
		· · · · · · · · · · · · · · · · · · ·
Metastatic	C7951	C7951 Secondary malignant neoplasm of bone
Metastatic	C7952	C7952 Secondary malignant neoplasm of bone marrow
Metastatic	C7960	C7960 Secondary malignant neoplasm of unspecified ovary
Metastatic	C7961	C7961 Secondary malignant neoplasm of right ovary
Metastatic	C7962	C7962 Secondary malignant neoplasm of left ovary
Metastatic	C7970	, , , , , , , , , , , , , , , , , , , ,
		C7970 Secondary malignant neoplasm of unspecified adrenal gland
Metastatic	C7971	C7971 Secondary malignant neoplasm of right adrenal gland
Metastatic	C7972	C7972 Secondary malignant neoplasm of left adrenal gland
Metastatic	C7981	C7981 Secondary malignant neoplasm of breast
Metastatic	C7982	C7982 Secondary malignant neoplasm of genital organs
	C7989	C7989 Secondary malignant neoplasm of other specified sites
Metastatic		
Metastatic	C799	C799 Secondary malignant neoplasm of unspecified site
Metastatic	C800	C800 Disseminated malignant neoplasm, unspecified
Myeloma, etc	C882	C882 Heavy chain disease
Myeloma, etc	C883	C883 Immunoproliferative small intestinal disease
Myeloma, etc	C888	C888 Other malignant immunoproliferative diseases
		- · · · · · · · · · · · · · · · · · · ·
Myeloma, etc	C889	C889 Malignant immunoproliferative disease, unspecified
Myeloma, etc	C9000	C9000 Multiple myeloma not having achieved remission
Myeloma, etc	C9001	C9001 Multiple myeloma in remission
Myeloma, etc	C9002	C9002 Multiple myeloma in relapse
Myeloma, etc	C9010	C9010 Plasma cell leukemia not having achieved remission
Myeloma, etc	C9012	C9012 Plasma cell leukemia in relapse
Myeloma, etc	C9020	C9020 Extramedullary plasmacytoma not having achieved remission
Myeloma, etc	C9022	C9022 Extramedullary plasmacytoma in relapse
Myeloma, etc	C9030	C9030 Solitary plasmacytoma not having achieved remission
Myeloma, etc	C9032	C9032 Solitary plasmacytoma in relapse
Myeloma, etc	C9440	C9440 Acute panmyelosis with myelofibrosis not having achieved remission
Myeloma, etc	C9441	C9441 Acute panmyelosis with myelofibrosis, in remission
Myeloma, etc	C9442	C9442 Acute panmyelosis with myelofibrosis, in relapse
Myeloma, etc	C946	C946 Myelodysplastic disease, not classified
Myeloma, etc	D460	D460 Refractory anemia without ring sideroblasts, so stated
Myeloma, etc	D461	D461 Refractory anemia with ring sideroblasts
Myeloma, etc	D4620	D4620 Refractory anemia with excess of blasts, unspecified
Myeloma, etc	D4621	D4621 Refractory anemia with excess of blasts 1
Myeloma, etc	D4622	D4622 Refractory anemia with excess of blasts 2
Myeloma, etc	D464	D464 Refractory anemia, unspecified
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Myeloma, etc	D469	D469 Myelodysplastic syndrome, unspecified
Myeloma, etc	D46A	D46A Refractory cytopenia with multilineage dysplasia
Myeloma, etc	D46B	D46B Refractory cytopenia with multilineage dysplasia and ring sideroblasts
Myeloma, etc	D46C	D46C Myelodysplastic syndrome with isolated del(5q) chromosomal abnormality
Myeloma, etc	D46Z	D46Z Other myelodysplastic syndromes
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Myeloma, etc	D471	D471 Chronic myeloproliferative disease
Myeloma, etc	D473	D473 Essential (hemorrhagic) thrombocythemia
Myeloma, etc	D474	D474 Osteomyelofibrosis
Myeloma, etc	D479	D479 Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified
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Maria and and	D4770	D4729 Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue
Myeloma, etc	D47Z9	D4/29 Other specified neoplasms of uncertain behavior of lympholog, nematopoletic and related tissue
Myeloma, etc	D7589	D7589 Other specified diseases of blood and blood-forming organs
Myeloma, etc	D77	D77 Other disorders of blood and blood-forming organs in diseases classified elsewhere
•		
Myeloma, etc	D892	D002 Hunggammaglabulingmia unspecified
• •		D892 Hypergammaglobulinemia, unspecified
Other cancer	C4000	C4000 Malignant neoplasm of scapula and long bones of unspecified upper limb
Other cancer	C4001	C4001 Malignant neoplasm of scapula and long bones of right upper limb
Other cancer	C4002	C4002 Malignant neoplasm of scapula and long bones of left upper limb
Other cancer	C4010	C4010 Malignant neoplasm of short bones of unspecified upper limb
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Other cancer	C4011	C4011 Malignant neoplasm of short bones of right upper limb
Other cancer	C4012	C4012 Malignant neoplasm of short bones of left upper limb
Other cancer	C4020	C4020 Malignant neoplasm of long bones of unspecified lower limb
Other cancer	C4021	C4021 Malignant neoplasm of long bones of right lower limb
Other cancer	C4022	C4022 Malignant neoplasm of long bones of left lower limb
Other cancer	C4030	C4030 Malignant neoplasm of short bones of unspecified lower limb
Other cancer	C4031	C4031 Malignant neoplasm of short bones of right lower limb
Other cancer	C4032	C4032 Malignant neoplasm of short bones of left lower limb
Other cancer	C4080	C4080 Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb

Comorbidity	ICD-10 Diagnosis Code	Description
Other cancer	C4081	C4081 Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb
Other cancer	C4081	C4001 Walighant neoplasm of overlapping sites of bone and articular cartilage of right limb
Other cancer	C4082	C4082 Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb
Other cancer	C4090	C4090 Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb
Other cancer	C4091	C4091 Malignant neoplasm of unspecified bones and articular cartilage of right limb
Other curreer	C+031	C-052 Manighant reophasm of dispective dones and distinct and angle of right mile
O+h	64003	CANON Malianant analysis of consolidation and attitude and left limb
Other cancer	C4092	C4092 Malignant neoplasm of unspecified bones and articular cartilage of left limb
Other cancer	C410	C410 Malignant neoplasm of bones of skull and face
Other cancer	C411	C411 Malignant neoplasm of mandible
Other cancer	C412	C412 Malignant neoplasm of vertebral column
Other cancer	C413	C413 Malignant neoplasm of ribs, sternum and clavicle
Other cancer	C414	C414 Malignant neoplasm of pelvic bones, sacrum and coccyx
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Other cancer	C419	C419 Malignant neoplasm of bone and articular cartilage, unspecified
Other cancer	C460	C460 Kaposi's sarcoma of skin
Other cancer	C461	C461 Kaposi's sarcoma of soft tissue
Other cancer	C462	C462 Kaposi's sarcoma of palate
Other cancer	C463	C463 Kaposi's sarcoma of lymph nodes
Other cancer	C464	C464 Kaposi's sarcoma of gastrointestinal sites
Other cancer	C4650	C4650 Kaposi's sarcoma of unspecified lung
Other cancer	C4651	C4651 Kaposi's sarcoma of right lung
Other cancer	C4652	C4652 Kaposi's sarcoma of left lung
Other cancer	C467	C467 Kaposi's sarcoma of other sites
Other cancer	C469	C469 Kaposi's sarcoma, unspecified
Other cancer	C470	C470 Malignant neoplasm of peripheral nerves of head, face and neck
Other cancer	C4710	C4710 Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder
Other cancer	C4711	C4711 Malignant neoplasm of peripheral nerves of right upper limb, including shoulder
Other cancer	C4711	C4711 Wangilant neoplasm or peripheral nerves of right upper limb, including shoulder
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Other cancer	C4712	C4712 Malignant neoplasm of peripheral nerves of left upper limb, including shoulder
Other cancer	C4720	C4720 Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip
Other cancer	C4721	C4721 Malignant neoplasm of peripheral nerves of right lower limb, including hip
Other cancer	C4722	C4722 Malignant neoplasm of peripheral nerves of left lower limb, including hip
Other cancer	C473	C473 Malignant neoplasm of peripheral nerves of thorax
Other cancer	C474	C474 Malignant neoplasm of peripheral nerves of abdomen
Other cancer	C475	C475 Malignant neoplasm of peripheral nerves of pelvis
Other cancer	C476	C476 Malignant neoplasm of peripheral nerves of trunk, unspecified
Other cancer	C478	C478 Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system
Other cancer	C479	C479 Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified
Other cancer	C490	C490 Malignant neoplasm of connective and soft tissue of head, face and neck
Other cancer	C4910	C4910 Malignant neoplasm of connective and soft tissue of unspecified upper limb, including shoulder
Other cancer	C4911	C4911 Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder
		to the second
Other cancer	C4912	C4912 Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder
Other cancer	C4920	C4920 Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip
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Other cancer	C4921	C4921 Malignant neoplasm of connective and soft tissue of right lower limb, including hip
Other curreer	04321	C4521 Manighant reoplasm of connective and sort asset of right lower mins, meaduring mp
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Other cancer	C4922	C4922 Malignant neoplasm of connective and soft tissue of left lower limb, including hip
Other cancer	C493	C493 Malignant neoplasm of connective and soft tissue of thorax
Other cancer	C494	C494 Malignant neoplasm of connective and soft tissue of abdomen
Other cancer	C495	C495 Malignant neoplasm of connective and soft tissue of pelvis
Other cancer	C496	C496 Malignant neoplasm of connective and soft tissue of trunk, unspecified
Other cancer	C498	C498 Malignant neoplasm of overlapping sites of connective and soft tissue
Other cancer	C499	C499 Malignant neoplasm of connective and soft tissue, unspecified
Other cancer	C561	C561 Malignant neoplasm of right ovary
Other cancer	C562	C562 Malignant neoplasm of left ovary
Other cancer	C569	C569 Malignant neoplasm of unspecified ovary
Other cancer	C5700	C5700 Malignant neoplasm of unspecified fallopian tube
Other cancer	C5701	C5701 Malignant neoplasm of right fallopian tube
Other cancer	C5702	C5702 Malignant neoplasm of left fallopian tube
Other cancer	C5710	C5710 Malignant neoplasm of unspecified broad ligament
Other cancer	C5711	C5711 Malignant neoplasm of right broad ligament
Other cancer	C5712	C5712 Malignant neoplasm of left broad ligament
Other cancer	C5720	C5720 Malignant neoplasm of unspecified round ligament
Other cancer	C5721	C5721 Malignant neoplasm of right round ligament
Other cancer	C5722	C5722 Malignant neoplasm of left round ligament
Galer cancer	03,22	COVER Manignant incoprison of left round againstic

Comorbidity	ICD-10 Diagnosis Code	Description
Other cancer	C573	C573 Malignant neoplasm of parametrium
Other cancer	C574	C574 Malignant neoplasm of uterine adnexa, unspecified
Other cancer	C58	C58 Malignant neoplasm of placenta
Other cancer	C700	C700 Malignant neoplasm of cerebral meninges
Other cancer	C701	C701 Malignant neoplasm of spinal meninges
Other cancer	C709	C709 Malignant neoplasm of meninges, unspecified
Other cancer	C710	C710 Malignant neoplasm of cerebrum, except lobes and ventricles
Other cancer	C711	C711 Malignant neoplasm of frontal lobe
Other cancer	C712	C712 Malignant neoplasm of temporal lobe
Other cancer	C713	C713 Malignant neoplasm of parietal lobe
Other cancer	C714	C714 Malignant neoplasm of occipital lobe
	C715	C715 Malignant neoplasm of cerebral ventricle
Other cancer		
Other cancer	C716	C716 Malignant neoplasm of cerebellum C717 Malignant neoplasm of brain stem
Other cancer	C717	• .
Other cancer	C718	C718 Malignant neoplasm of overlapping sites of brain
Other cancer	C719	C719 Malignant neoplasm of brain, unspecified
Other cancer	C720	C720 Malignant neoplasm of spinal cord
Other cancer	C721	C721 Malignant neoplasm of cauda equina
Other cancer	C7220	C7220 Malignant neoplasm of unspecified olfactory nerve
Other cancer	C7221	C7221 Malignant neoplasm of right olfactory nerve
Other cancer	C7222	C7222 Malignant neoplasm of left olfactory nerve
Other cancer	C7230	C7230 Malignant neoplasm of unspecified optic nerve
Other cancer	C7231	C7231 Malignant neoplasm of right optic nerve
Other cancer	C7232	C7232 Malignant neoplasm of left optic nerve
Other cancer	C7240	C7240 Malignant neoplasm of unspecified acoustic nerve
Other cancer	C7241	C7241 Malignant neoplasm of right acoustic nerve
Other cancer	C7242	C7242 Malignant neoplasm of left acoustic nerve
Other cancer	C7250	C7250 Malignant neoplasm of unspecified cranial nerve
Other cancer	C7259	C7259 Malignant neoplasm of other cranial nerves
Other cancer	C729	C729 Malignant neoplasm of central nervous system, unspecified
Other cancer	C7400	C7400 Malignant neoplasm of cortex of unspecified adrenal gland
Other cancer	C7401	C7401 Malignant neoplasm of cortex of right adrenal gland
Other cancer	C7402	C7402 Malignant neoplasm of cortex of left adrenal gland
Other cancer	C7410	C7410 Malignant neoplasm of medulla of unspecified adrenal gland
Other cancer	C7411	C7411 Malignant neoplasm of medulla of right adrenal gland
Other cancer	C7411 C7412	C7412 Malignant neoplasm of medulia of left adrenal gland
Other cancer	C7490	C7492 Malignant neoplasm of medula of left adjetion grand C7490 Malignant neoplasm of unspecified part of unspecified adrenal gland
Other cancer	C7491	C7491 Malignant neoplasm of unspecified part of right adrenal gland
Other cancer	C7492	C7492 Malignant neoplasm of unspecified part of left adrenal gland
Other cancer	C751	C751 Malignant neoplasm of pituitary gland
Other cancer	C752	C752 Malignant neoplasm of craniopharyngeal duct
Other cancer	C753	C753 Malignant neoplasm of pineal gland
Sickle Cell	D5700	D5700 Hb-SS disease with crisis, unspecified
Sickle Cell	D5701	D5701 Hb-SS disease with acute chest syndrome
Sickle Cell	D5702	D5702 Hb-SS disease with splenic sequestration
Sickle Cell	D571	D571 Sickle-cell disease without crisis
Sickle Cell	D5720	D5720 Sickle-cell/Hb-C disease without crisis
Sickle Cell	D57211	D57211 Sickle-cell/Hb-C disease with acute chest syndrome
Sickle Cell	D57212	D57212 Sickle-cell/Hb-C disease with splenic sequestration
Sickle Cell	D57219	D57219 Sickle-cell/Hb-C disease with crisis, unspecified
Sickle Cell	D5780	D5780 Other sickle-cell disorders without crisis
Sickle Cell	D57811	D57811 Other sickle-cell disorders with acute chest syndrome
Sickle Cell	D57812	D57812 Other sickle-cell disorders with splenic sequestration
Sickle Cell	D57819	D57819 Other sickle-cell disorders with crisis, unspecified
Solid Organ Cancer	C153	C153 Malignant neoplasm of upper third of esophagus
Solid Organ Cancer	C154	C154 Malignant neoplasm of middle third of esophagus
Solid Organ Cancer	C155	C155 Malignant neoplasm of lower third of esophagus
Solid Organ Cancer	C158	C158 Malignant neoplasm of overlapping sites of esophagus
Solid Organ Cancer	C159	C159 Malignant neoplasm of esophagus, unspecified
	C160	
Solid Organ Cancer		C160 Malignant neoplasm of cardia
Solid Organ Cancer	C161	C161 Malignant neoplasm of fundus of stomach
Solid Organ Cancer	C162	C162 Malignant neoplasm of body of stomach
Solid Organ Cancer	C163	C163 Malignant neoplasm of pyloric antrum
Solid Organ Cancer	C164	C164 Malignant neoplasm of pylorus
Solid Organ Cancer	C165	C165 Malignant neoplasm of lesser curvature of stomach, unspecified
Solid Organ Cancer	C166	C166 Malignant neoplasm of greater curvature of stomach, unspecified
Solid Organ Cancer	C168	C168 Malignant neoplasm of overlapping sites of stomach
Solid Organ Cancer	C169	C169 Malignant neoplasm of stomach, unspecified
Solid Organ Cancer	C170	C170 Malignant neoplasm of duodenum
Solid Organ Cancer	C171	C171 Malignant neoplasm of jejunum
Solid Organ Cancer	C172	C172 Malignant neoplasm of ileum
Solid Organ Cancer	C173	C173 Meckel's diverticulum, malignant
Solid Organ Cancer	C178	C178 Malignant neoplasm of overlapping sites of small intestine
Solid Organ Cancer	C179	C179 Malignant neoplasm of small intestine, unspecified
Solid Organ Cancer	C180	C180 Malignant neoplasm of secum
Solid Organ Cancer	C181	C181 Malignant neoplasm of appendix
Solid Organ Cancer	C182	C182 Malignant neoplasm of ascending colon
Solid Organ Cancer	C182	C183 Malignant neoplasm of hepatic flexure
Solid Organ Cancer	C184	C184 Malignant neoplasm of transverse colon

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	C185	C185 Malignant neoplasm of splenic flexure
Solid Organ Cancer	C186	C186 Malignant neoplasm of descending colon
Solid Organ Cancer	C187	C187 Malignant neoplasm of sigmoid colon
Solid Organ Cancer	C188	C188 Malignant neoplasm of overlapping sites of colon
Solid Organ Cancer	C189	C189 Malignant neoplasm of colon, unspecified
-	C19	C19 Malignant neoplasm of rectosigmoid junction
Solid Organ Cancer		
Solid Organ Cancer	C20	C20 Malignant neoplasm of rectum
Solid Organ Cancer	C210	C210 Malignant neoplasm of anus, unspecified
Solid Organ Cancer	C211	C211 Malignant neoplasm of anal canal
Solid Organ Cancer	C212	C212 Malignant neoplasm of cloacogenic zone
Solid Organ Cancer	C218	C218 Malignant neoplasm of overlapping sites of rectum, anus and anal canal
Solid Organ Cancer	C220	C220 Liver cell carcinoma
Solid Organ Cancer	C221	C221 Intrahepatic bile duct carcinoma
Solid Organ Cancer	C222	C222 Hepatoblastoma
Solid Organ Cancer	C223	C223 Angiosarcoma of liver
Solid Organ Cancer	C224	C224 Other sarcomas of liver
Solid Organ Cancer	C227	C227 Other specified carcinomas of liver
Solid Organ Cancer	C228	C228 Malignant neoplasm of liver, primary, unspecified as to type
Solid Organ Cancer	C229	C229 Malignant neoplasm of liver, not specified as primary or secondary
Solid Organ Cancer	C23	C23 Malignant neoplasm of gallbladder
	C240	
Solid Organ Cancer		C240 Malignant neoplasm of extrahepatic bile duct
Solid Organ Cancer	C241	C241 Malignant neoplasm of ampulla of Vater
Solid Organ Cancer	C248	C248 Malignant neoplasm of overlapping sites of biliary tract
Solid Organ Cancer	C249	C249 Malignant neoplasm of biliary tract, unspecified
Solid Organ Cancer	C250	C250 Malignant neoplasm of head of pancreas
Solid Organ Cancer	C251	C251 Malignant neoplasm of body of pancreas
Solid Organ Cancer	C252	C252 Malignant neoplasm of tail of pancreas
Solid Organ Cancer	C253	C253 Malignant neoplasm of pancreatic duct
Solid Organ Cancer	C254	C254 Malignant neoplasm of endocrine pancreas
Solid Organ Cancer	C257	C257 Malignant neoplasm of other parts of pancreas
Solid Organ Cancer	C258	C258 Malignant neoplasm of overlapping sites of pancreas
Solid Organ Cancer	C259	C259 Malignant neoplasm of pancreas, unspecified
Solid Organ Cancer	C260	C260 Malignant neoplasm of intestinal tract, part unspecified
Solid Organ Cancer	C261	C261 Malignant neoplasm of spleen
Solid Organ Cancer	C269	C269 Malignant neoplasm of ill-defined sites within the digestive system
Solid Organ Cancer	C33	C33 Malignant neoplasm of trachea
	C3400	- •
Solid Organ Cancer		C3400 Malignant neoplasm of unspecified main bronchus
Solid Organ Cancer	C3401	C3401 Malignant neoplasm of right main bronchus
Solid Organ Cancer	C3402	C3402 Malignant neoplasm of left main bronchus
Solid Organ Cancer	C3410	C3410 Malignant neoplasm of upper lobe, unspecified bronchus or lung
Solid Organ Cancer	C3411	C3411 Malignant neoplasm of upper lobe, right bronchus or lung
Solid Organ Cancer	C3412	C3412 Malignant neoplasm of upper lobe, left bronchus or lung
Solid Organ Cancer	C342	C342 Malignant neoplasm of middle lobe, bronchus or lung
Solid Organ Cancer	C3430	C3430 Malignant neoplasm of lower lobe, unspecified bronchus or lung
Solid Organ Cancer	C3431	C3431 Malignant neoplasm of lower lobe, right bronchus or lung
Solid Organ Cancer	C3432	C3432 Malignant neoplasm of lower lobe, left bronchus or lung
Solid Organ Cancer	C3480	C3480 Malignant neoplasm of overlapping sites of unspecified bronchus and lung
Solid Organ Cancer	C3481	C3481 Malignant neoplasm of overlapping sites of right bronchus and lung
Solid Organ Cancer	C3482	C3482 Malignant neoplasm of overlapping sites of left bronchus and lung
Solid Organ Cancer	C3490	C3490 Malignant neoplasm of unspecified part of unspecified bronchus or lung
J		
Solid Organ Cancer	C3491	C3491 Malignant neoplasm of unspecified part of right bronchus or lung
Solid Organ Cancer	C3492	C3492 Malignant neoplasm of unspecified part of left bronchus or lung
Solid Organ Cancer	C384	C384 Malignant neoplasm of pleura
Solid Organ Cancer	C430	C430 Malignant melanoma of lip
Solid Organ Cancer	C4310	C4310 Malignant melanoma of unspecified eyelid, including canthus
Solid Organ Cancer	C4311	C4311 Malignant melanoma of right eyelid, including canthus
Solid Organ Cancer	C4312	C4312 Malignant melanoma of left eyelid, including canthus
Solid Organ Cancer	C4320	C4320 Malignant melanoma of unspecified ear and external auricular canal
Solid Organ Cancer	C4321	C4321 Malignant melanoma of right ear and external auricular canal
Solid Organ Cancer	C4322	C4322 Malignant melanoma of left ear and external auricular canal
Solid Organ Cancer	C4330	C4330 Malignant melanoma of unspecified part of face
Solid Organ Cancer	C4331	C4331 Malignant melanoma of nose
Solid Organ Cancer	C4339	C4339 Malignant melanoma of other parts of face
Solid Organ Cancer	C434	C434 Malignant melanoma of scalp and neck
Solid Organ Cancer	C4351	C4351 Malignant melanoma of anal skin
Solid Organ Cancer	C4352	C4352 Malignant melanoma of skin of breast
Solid Organ Cancer	C4359	C4359 Malignant melanoma of other part of trunk
Solid Organ Cancer	C4360	C4360 Malignant melanoma of unspecified upper limb, including shoulder
Solid Organ Cancer	C4361	C4361 Malignant melanoma of right upper limb, including shoulder
_	C4362	C4362 Malignant melanoma of left upper limb, including shoulder
Solid Organ Cancer		
Solid Organ Cancer	C4370	C4370 Malignant melanoma of unspecified lower limb, including hip
Solid Organ Cancer	C4371	C4371 Malignant melanoma of right lower limb, including hip
Solid Organ Cancer	C4372	C4372 Malignant melanoma of left lower limb, including hip
Solid Organ Cancer	C438	C438 Malignant melanoma of overlapping sites of skin
Solid Organ Cancer	C439	C439 Malignant melanoma of skin, unspecified
Solid Organ Cancer	C450	C450 Mesothelioma of pleura

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	C451	C451 Mesothelioma of peritoneum
Solid Organ Cancer	C457	C457 Mesothelioma of other sites
Solid Organ Cancer	C459	C459 Mesothelioma, unspecified
Solid Organ Cancer	C480	C480 Malignant neoplasm of retroperitoneum
Solid Organ Cancer	C481	C481 Malignant neoplasm of specified parts of peritoneum
Solid Organ Cancer	C482	C482 Malignant neoplasm of peritoneum, unspecified
Solid Organ Cancer	C488	C488 Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum
John Organ Cancer	C400	C466 Manghant neoplasm of overlapping sites of retropentoneum and pentoneum
Calid Organ Cancar	CE0011	CEOC11 Malignant popularm of pipula and aroula vight female broast
Solid Organ Cancer	C50011	C50011 Malignant neoplasm of nipple and areola, right female breast
Solid Organ Cancer	C50012	C50012 Malignant neoplasm of nipple and areola, left female breast
Solid Organ Cancer	C50019	C50019 Malignant neoplasm of nipple and areola, unspecified female breast
Solid Organ Cancer	C50021	C50021 Malignant neoplasm of nipple and areola, right male breast
Solid Organ Cancer	C50022	C50022 Malignant neoplasm of nipple and areola, left male breast
Solid Organ Cancer	C50029	C50029 Malignant neoplasm of nipple and areola, unspecified male breast
Solid Organ Cancer	C50111	C50111 Malignant neoplasm of central portion of right female breast
Solid Organ Cancer	C50112	C50112 Malignant neoplasm of central portion of left female breast
Solid Organ Cancer	C50119	C50119 Malignant neoplasm of central portion of unspecified female breast
Solid Organ Cancer	C50121	C50121 Malignant neoplasm of central portion of right male breast
Solid Organ Cancer	C50122	C50122 Malignant neoplasm of central portion of left male breast
Solid Organ Cancer	C50129	C50129 Malignant neoplasm of central portion of unspecified male breast
Solid Organ Cancer	C50211	C50211 Malignant neoplasm of upper-inner quadrant of right female breast
Solid Organ Cancer	C50211	C50212 Malignant neoplasm of upper-inner quadrant of left female breast
Solid Organ Cancer		
Solid Organ Cancer	C50219	C50219 Malignant neoplasm of upper-inner quadrant of unspecified female breast
Colid Organ Caraca	CE0331	CE0321 Malignant popularm of upper inner supplied of sight scale bases
Solid Organ Cancer	C50221	C50221 Malignant neoplasm of upper-inner quadrant of right male breast
Solid Organ Cancer	C50222	C50222 Malignant neoplasm of upper-inner quadrant of left male breast
Solid Organ Cancer	C50229	C50229 Malignant neoplasm of upper-inner quadrant of unspecified male breast
Solid Organ Cancer	C50311	C50311 Malignant neoplasm of lower-inner quadrant of right female breast
Solid Organ Cancer	C50312	C50312 Malignant neoplasm of lower-inner quadrant of left female breast
Solid Organ Cancer	C50319	C50319 Malignant neoplasm of lower-inner quadrant of unspecified female breast
Solid Organ Cancer	C50321	C50321 Malignant neoplasm of lower-inner quadrant of right male breast
Solid Organ Cancer	C50322	C50322 Malignant neoplasm of lower-inner quadrant of left male breast
Solid Organ Cancer	C50329	C50329 Malignant neoplasm of lower-inner quadrant of unspecified male breast
Solid Organ Cancer	C50411	C50411 Malignant neoplasm of upper-outer quadrant of right female breast
Solid Organ Cancer	C50412	C50412 Malignant neoplasm of upper-outer quadrant of left female breast
Solid Organ Cancer	C50419	C50419 Malignant neoplasm of upper-outer quadrant of unspecified female breast
Solid Organ Cancer	C50421	C50421 Malignant neoplasm of upper-outer quadrant of right male breast
Solid Organ Cancer	C50422	C50422 Malignant neoplasm of upper-outer quadrant of left male breast
Solid Organ Cancer	C50429	C50429 Malignant neoplasm of upper-outer quadrant of unspecified male breast
John Organ Cancer	C30423	C30423 Malignant neoplasm of upper-outer quadrant of unspecified male breast
Solid Organ Cancer	C50511	C50511 Malignant neoplasm of lower-outer quadrant of right female breast
Solid Organ Cancer	C50511	C50512 Malignant neoplasm of lower-outer quadrant of right female breast
Solid Organ Cancer	C50512	C50519 Malignant neoplasm of lower-outer quadrant of unspecified female breast
John Organ Cancer	C30319	C30313 Manghant neoplasm of lower-outer quadrant of unspectified female breast
Solid Organ Cancer	CE0E31	CEOE21 Malignant popularm of lawer autor quadrant of right male broast
ū	C50521	C50521 Malignant neoplasm of lower-outer quadrant of right male breast
Solid Organ Cancer	C50522	C50522 Malignant neoplasm of lower-outer quadrant of left male breast
Solid Organ Cancer	C50529	C50529 Malignant neoplasm of lower-outer quadrant of unspecified male breast
Solid Organ Cancer	C50611	C50611 Malignant neoplasm of axillary tail of right female breast
Solid Organ Cancer	C50612	C50612 Malignant neoplasm of axillary tail of left female breast
Solid Organ Cancer	C50619	C50619 Malignant neoplasm of axillary tail of unspecified female breast
Solid Organ Cancer	C50621	C50621 Malignant neoplasm of axillary tail of right male breast
Solid Organ Cancer	C50622	C50622 Malignant neoplasm of axillary tail of left male breast
Solid Organ Cancer	C50629	C50629 Malignant neoplasm of axillary tail of unspecified male breast
Solid Organ Cancer	C50811	C50811 Malignant neoplasm of overlapping sites of right female breast
Solid Organ Cancer	C50812	C50812 Malignant neoplasm of overlapping sites of left female breast
Solid Organ Cancer	C50819	C50819 Malignant neoplasm of overlapping sites of unspecified female breast
Solid Organ Cancer	C50821	C50821 Malignant neoplasm of overlapping sites of right male breast
Solid Organ Cancer	C50822	C50822 Malignant neoplasm of overlapping sites of left male breast
Solid Organ Cancer	C50829	C50829 Malignant neoplasm of overlapping sites of unspecified male breast
Solid Organ Cancer	C50911	C50911 Malignant neoplasm of unspecified site of right female breast
Solid Organ Cancer	C50912	C50912 Malignant neoplasm of unspecified site of left female breast
Solid Organ Cancer	C50919	C50919 Malignant neoplasm of unspecified site of unspecified female breast
		C50921 Malignant neoplasm of unspecified site of right male breast
Solid Organ Cancer	C50921	
Solid Organ Cancer	C50922	C50922 Malignant neoplasm of unspecified site of left male breast
Solid Organ Cancer	C50929	C50929 Malignant neoplasm of unspecified site of unspecified male breast
Solid Organ Cancer	C510	C510 Malignant neoplasm of labium majus
Solid Organ Cancer	C511	C511 Malignant neoplasm of labium minus
Solid Organ Cancer	C512	C512 Malignant neoplasm of clitoris
Solid Organ Cancer	C518	C518 Malignant neoplasm of overlapping sites of vulva
Solid Organ Cancer	C519	C519 Malignant neoplasm of vulva, unspecified
Solid Organ Cancer	C52	C52 Malignant neoplasm of vagina
Solid Organ Cancer	C530	C530 Malignant neoplasm of endocervix
Solid Organ Cancer	C531	C531 Malignant neoplasm of exocervix
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Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	C538	C538 Malignant neoplasm of overlapping sites of cervix uteri
Solid Organ Cancer	C539	C539 Malignant neoplasm of cervix uteri, unspecified
Solid Organ Cancer	C540	C540 Malignant neoplasm of isthmus uteri
Solid Organ Cancer	C541	C541 Malignant neoplasm of endometrium
Solid Organ Cancer	C542	C542 Malignant neoplasm of myometrium
-		C542 Malignant neoplasm of fundus uteri
Solid Organ Cancer	C543	-
Solid Organ Cancer	C548	C548 Malignant neoplasm of overlapping sites of corpus uteri
Solid Organ Cancer	C549	C549 Malignant neoplasm of corpus uteri, unspecified
Solid Organ Cancer	C55	C55 Malignant neoplasm of uterus, part unspecified
Solid Organ Cancer	C577	C577 Malignant neoplasm of other specified female genital organs
Solid Organ Cancer	C578	C578 Malignant neoplasm of overlapping sites of female genital organs
Solid Organ Cancer	C579	C579 Malignant neoplasm of female genital organ, unspecified
Solid Organ Cancer	C600	C600 Malignant neoplasm of prepuce
Solid Organ Cancer	C601	C601 Malignant neoplasm of glans penis
Solid Organ Cancer	C602	C602 Malignant neoplasm of body of penis
Solid Organ Cancer	C608	C608 Malignant neoplasm of overlapping sites of penis
Solid Organ Cancer	C609	C609 Malignant neoplasm of penis, unspecified
Solid Organ Cancer	C61	C61 Malignant neoplasm of prostate
Solid Organ Cancer	C6200	C6200 Malignant neoplasm of unspecified undescended testis
Solid Organ Cancer	C6201	C6201 Malignant neoplasm of undescended right testis
Solid Organ Cancer	C6202	C6202 Malignant neoplasm of undescended left testis
Solid Organ Cancer	C6210	C6210 Malignant neoplasm of unspecified descended testis
Solid Organ Cancer	C6211	C6211 Malignant neoplasm of descended right testis
Solid Organ Cancer	C6212	C6212 Malignant neoplasm of descended left testis
Solid Organ Cancer	C6290	C6290 Malignant neoplasm of unspecified testis, unspecified whether descended or undescended
Solid Organ Cancer	C6291	C6291 Malignant neoplasm of right testis, unspecified whether descended or undescended
Solid Organ Cancer	C6292	C6292 Malignant neoplasm of left testis, unspecified whether descended or undescended
Solid Organ Cancer	C6300	C6300 Malignant neoplasm of unspecified epididymis
Solid Organ Cancer	C6301	C6301 Malignant neoplasm of right epididymis
Solid Organ Cancer	C6302	C6302 Malignant neoplasm of left epididymis
Solid Organ Cancer	C6310	C6310 Malignant neoplasm of unspecified spermatic cord
Solid Organ Cancer	C6311	C6311 Malignant neoplasm of right spermatic cord
Solid Organ Cancer	C6312	C6312 Malignant neoplasm of left spermatic cord
Solid Organ Cancer	C632	C632 Malignant neoplasm of scrotum
Solid Organ Cancer	C637	C637 Malignant neoplasm of other specified male genital organs
Solid Organ Cancer	C638	C638 Malignant neoplasm of overlapping sites of male genital organs
Solid Organ Cancer	C639	C639 Malignant neoplasm of male genital organ, unspecified
Solid Organ Cancer	C641	C641 Malignant neoplasm of right kidney, except renal pelvis
Solid Organ Cancer	C642	C642 Malignant neoplasm of left kidney, except renal pelvis
	C649	
Solid Organ Cancer		C649 Malignant neoplasm of unspecified kidney, except renal pelvis
Solid Organ Cancer	C651	C651 Malignant neoplasm of right renal pelvis
Solid Organ Cancer	C652	C652 Malignant neoplasm of left renal pelvis
Solid Organ Cancer	C659	C659 Malignant neoplasm of unspecified renal pelvis
Solid Organ Cancer	C661	C661 Malignant neoplasm of right ureter
Solid Organ Cancer	C662	C662 Malignant neoplasm of left ureter
Solid Organ Cancer	C669	C669 Malignant neoplasm of unspecified ureter
Solid Organ Cancer	C670	C670 Malignant neoplasm of trigone of bladder
Solid Organ Cancer	C671	C671 Malignant neoplasm of dome of bladder
Solid Organ Cancer	C672	C672 Malignant neoplasm of lateral wall of bladder
Solid Organ Cancer	C673	C673 Malignant neoplasm of anterior wall of bladder
Solid Organ Cancer	C674	C674 Malignant neoplasm of posterior wall of bladder
Solid Organ Cancer	C675	C675 Malignant neoplasm of bladder neck
Solid Organ Cancer	C676	C676 Malignant neoplasm of ureteric orifice
Solid Organ Cancer	C677	C677 Malignant neoplasm of urachus
Solid Organ Cancer	C678	C678 Malignant neoplasm of overlapping sites of bladder
Solid Organ Cancer	C679	C679 Malignant neoplasm of bladder, unspecified
Solid Organ Cancer	C680	C680 Malignant neoplasm of urethra
Solid Organ Cancer	C681	C681 Malignant neoplasm of paraurethral glands
Solid Organ Cancer	C688	C688 Malignant neoplasm of overlapping sites of urinary organs
Solid Organ Cancer	C689	C689 Malignant neoplasm of urinary organ, unspecified
Solid Organ Cancer	C6900	C6900 Malignant neoplasm of unspecified conjunctiva
		C6901 Malignant neoplasm of right conjunctiva
Solid Organ Cancer	C6901	
Solid Organ Cancer	C6902	C6902 Malignant neoplasm of left conjunctiva
Solid Organ Cancer	C6910	C6910 Malignant neoplasm of unspecified cornea
Solid Organ Cancer	C6911	C6911 Malignant neoplasm of right cornea
Solid Organ Cancer	C6912	C6912 Malignant neoplasm of left cornea
Solid Organ Cancer	C6920	C6920 Malignant neoplasm of unspecified retina
Solid Organ Cancer	C6921	C6921 Malignant neoplasm of right retina
Solid Organ Cancer	C6922	C6922 Malignant neoplasm of left retina
Solid Organ Cancer	C6930	C6930 Malignant neoplasm of unspecified choroid
Solid Organ Cancer	C6931	C6931 Malignant neoplasm of right choroid
Solid Organ Cancer	C6932	C6932 Malignant neoplasm of left choroid
Solid Organ Cancer	C6940	C6940 Malignant neoplasm of unspecified ciliary body
Solid Organ Cancer	C6941	C6941 Malignant neoplasm of right ciliary body
Solid Organ Cancer	C6942	C6942 Malignant neoplasm of left ciliary body
Solid Organ Cancer	C6950	C6950 Malignant neoplasm of unspecified lacrimal gland and duct
Jone Organ Callet	20330	COSSO Manignant neophasm of unspecimed racinitial giant dutet

Comorbidity	ICD-10 Diagnosis Code	Description
Solid Organ Cancer	C6951	C6951 Malignant neoplasm of right lacrimal gland and duct
Solid Organ Cancer	C6952	C6952 Malignant neoplasm of left lacrimal gland and duct
Solid Organ Cancer	C6960	C6960 Malignant neoplasm of unspecified orbit
Solid Organ Cancer	C6961	C6961 Malignant neoplasm of right orbit
Solid Organ Cancer	C6962	C6962 Malignant neoplasm of left orbit
Solid Organ Cancer	C6980	C6980 Malignant neoplasm of overlapping sites of unspecified eye and adnexa
Solid Organ Cancer	C6981	C6981 Malignant neoplasm of overlapping sites of right eye and adnexa
Solid Organ Cancer	C6982	C6982 Malignant neoplasm of overlapping sites of left eye and adnexa
Solid Organ Cancer	C6990	C6990 Malignant neoplasm of unspecified site of unspecified eye
Solid Organ Cancer	C6991	C6991 Malignant neoplasm of unspecified site of right eye
Solid Organ Cancer	C6992	C6992 Malignant neoplasm of unspecified site of left eye
Solid Organ Cancer	C73	C73 Malignant neoplasm of thyroid gland
Solid Organ Cancer	C750	C750 Malignant neoplasm of parathyroid gland
Solid Organ Cancer	C754	C754 Malignant neoplasm of carotid body
Solid Organ Cancer	C755	C755 Malignant neoplasm of aortic body and other paraganglia
Solid Organ Cancer	C758	C758 Malignant neoplasm with pluriglandular involvement, unspecified
Solid Organ Cancer	C759	C759 Malignant neoplasm of endocrine gland, unspecified
Solid Organ Cancer	C760	C760 Malignant neoplasm of head, face and neck
Solid Organ Cancer	C761	C761 Malignant neoplasm of thorax
Solid Organ Cancer	C762	C762 Malignant neoplasm of abdomen
Solid Organ Cancer	C763	C763 Malignant neoplasm of pelvis
Solid Organ Cancer	C7640	C7640 Malignant neoplasm of unspecified upper limb
Solid Organ Cancer	C7641	C7641 Malignant neoplasm of right upper limb
Solid Organ Cancer	C7642	C7642 Malignant neoplasm of left upper limb
Solid Organ Cancer	C7650	C7650 Malignant neoplasm of unspecified lower limb
Solid Organ Cancer	C7651	C7651 Malignant neoplasm of right lower limb
Solid Organ Cancer	C7652	C7652 Malignant neoplasm of left lower limb
Solid Organ Cancer	C768	C768 Malignant neoplasm of other specified ill-defined sites
Solid Organ Cancer	C801	C801 Malignant (primary) neoplasm, unspecified
Solid Organ Cancer	C802	C802 Malignant neoplasm associated with transplanted organ
Solid Organ Cancer	D030	D030 Melanoma in situ of lip
Solid Organ Cancer	D0310	D0310 Melanoma in situ of unspecified eyelid, including canthus
Solid Organ Cancer	D0311	D0311 Melanoma in situ of right eyelid, including canthus
Solid Organ Cancer	D0312	D0312 Melanoma in situ of left eyelid, including canthus
Solid Organ Cancer	D0320	D0320 Melanoma in situ of unspecified ear and external auricular canal
Solid Organ Cancer	D0321	D0321 Melanoma in situ of right ear and external auricular canal
Solid Organ Cancer	D0322	D0322 Melanoma in situ of left ear and external auricular canal
Solid Organ Cancer	D0330	D0330 Melanoma in situ of unspecified part of face
Solid Organ Cancer	D0339	D0339 Melanoma in situ of other parts of face
Solid Organ Cancer	D034	D034 Melanoma in situ of scalp and neck
Solid Organ Cancer	D0351	D0351 Melanoma in situ of anal skin
Solid Organ Cancer	D0352	D0352 Melanoma in situ of breast (skin) (soft tissue)
Solid Organ Cancer	D0359	D0359 Melanoma in situ of other part of trunk
Solid Organ Cancer	D0360	D0360 Melanoma in situ of unspecified upper limb, including shoulder
Solid Organ Cancer	D0361	D0361 Melanoma in situ of right upper limb, including shoulder
Solid Organ Cancer	D0362	D0362 Melanoma in situ of left upper limb, including shoulder
Solid Organ Cancer	D0370	D0370 Melanoma in situ of unspecified lower limb, including hip
Solid Organ Cancer	D0371	D0371 Melanoma in situ of right lower limb, including hip
Solid Organ Cancer	D0372	D0372 Melanoma in situ of left lower limb, including hip
Solid Organ Cancer	D038	D038 Melanoma in situ of other sites
Solid Organ Cancer	D039	D039 Melanoma in situ, unspecified
Solid Organ Cancer	C49A0	C49A0 Gastrointestinal stromal tumor, unspecified site
Solid Organ Cancer	C49A1	C49A1 Gastrointestinal stromal tumor of esophagus
Solid Organ Cancer	C49A2	C49A2 Gastrointestinal stromal tumor of stomach
Solid Organ Cancer	C49A3	C49A3 Gastrointestinal stromal tumor of small intestine
Solid Organ Cancer	C49A4	C49A4 Gastrointestinal stromal tumor of large intestine
Solid Organ Cancer	C49A5	C49A5 Gastrointestinal stromal tumor of rectum
Solid Organ Cancer	C49A9	C49A9 Gastrointestinal stromal tumor of other sites
Jona Organ Curicel	0.3.3	2.5.4.
John Organ Cancer	CHINI	C.S.D. Goddonicodina stronia dina di calci sico