

**ACO # 36 – Risk-Standardized Acute Admission Rates for Patients With Diabetes**

**Measure Information Form (MIF)**

**Release Notes / Summary of Changes**

- This is an addendum to the MIF released in spring 2015. This addendum reflects conversion to Version 22 HCCs which allows for ICD-10 mapping.

**Data Source**

- Medicare inpatient claims
- Medicare outpatient claims
- Medicare beneficiary enrollment data
- Accountable Care Organization (ACO) assignment file

**Measure Set ID**

- ACO # 36

**Version Number and Effective Date**

- Version 1.0, effective 12/31/2015

**CMS Approval Date**

- 12/31/2015

**NQF ID**

- N/A; measure has not yet been submitted to the National Quality Forum (NQF) for endorsement.

**Date Endorsed**

- N/A

**Care Setting**

- Hospital

**Unit of Measurement**

- ACO

**Measurement Duration**

- Calendar Year

**Measurement Period**

- Calendar Year

### Measure Type

- Outcome

### Measure Scoring

- Risk-standardized acute admission rate (RSAAR)

### Payer Source

- Medicare fee-for-service (FFS)

### Improvement Notation

- Lower RSAAR scores indicate better quality.

### Measure Steward

- Centers for Medicare & Medicaid Services (CMS)

### Copyright / Disclaimer

- This quality measure was developed for CMS by Yale New Haven Hospital Health Services Corporation Center for Outcomes Research and Evaluation (CORE) in 2014.

### Measure Description

- Rate of risk-standardized acute, unplanned hospital admissions among Medicare fee-for-service (FFS) beneficiaries 65 years and older with diabetes who are assigned to the Accountable Care Organization (ACO).

### Rationale

The goal of this measure is to evaluate and to improve the quality of care for patients with diabetes cared for by ACOs. These patients account for a significant proportion of Medicare beneficiaries and they experience high morbidity and costs associated with their disease. These patients need efficient, coordinated, and patient-centered care management. They also benefit from provider support and infrastructure that facilitate effective chronic disease management. This measure is focused on hospital admissions for acute illness as the outcome because these admissions are often sentinel events associated with high morbidity as well as physical and emotional stress; they also result in high costs for both the patient and the ACO. Research shows that effective health care can lower the risk of admission for these vulnerable groups of patients.

This measure is intended to incentivize ACOs to provide high-quality, coordinated care that focuses on the whole patient. ACOs were conceptualized and created to achieve the goals of improved care, improved population health, and lower cost. Consistent with this mission, we envision that the measure will incentivize providers participating in ACOs to collaborate to provide the best system of clinical care and to partner with health and non-health related organizations in their communities, as appropriate, to improve the health of their patient population.

### Clinical Recommendation Statement

Research shows that effective health care can lower the risk of admission for patients with diabetes [1-7]. For example, specific system-based interventions such as seeing a physician involved in a pay-for-performance program for diabetes care or participation in group outpatient visits with a diabetes nurse educator have been associated with lower all-cause hospitalization rates among these patients [8]. It is our vision that these measures will illuminate variation in hospital admission rates and incentivize ACOs to develop efficient and coordinated chronic disease management strategies that anticipate and respond to patients' needs and preferences. This vision is consistent with ACOs' commitment to deliver

patient-centered care that fulfills the goals of the Department of Health and Human Services' National Quality Strategy—improving population health, providing better care, and lowering healthcare costs [9].

## References

1. Patient Protection and Affordable Care Act, 42 U.S.C., §3022 (2010).
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9. U.S. Department of Health and Human Services. Multiple chronic conditions—A strategic framework: Optimum health and quality of life for individuals with multiple chronic conditions. December 2010; [http://www.hhs.gov/ash/initiatives/mcc/mcc\\_framework.pdf](http://www.hhs.gov/ash/initiatives/mcc/mcc_framework.pdf). Accessed March 20, 2014

## Technical Specifications

- Target Population  
ACO-assigned or aligned Medicare beneficiaries with diabetes

## Denominator

- Denominator Statement  
The target population is ambulatory Medicare FFS beneficiaries aged 65 years and older assigned to the ACO with a diagnosis of diabetes.
- Denominator Details  
The targeted patient population is Medicare FFS beneficiaries aged 65 years and older assigned to the ACO during the measurement period with a diagnosis of diabetes. To be included in the cohort, beneficiaries must have one inpatient or two outpatient diabetes diagnosis codes in any position within one year prior to the measurement period. We allowed for prior year claims to define the cohort since there is no specified optimal frequency of follow-up visits among ambulatory, stable patients (i.e., patients without a change in their symptoms may never be hospitalized and may only be seen annually). To be included in the cohort, patients must be enrolled full-time in both Part A and B during the year prior to the measurement period. We excluded patients who were not enrolled full-time in Part A during the measurement period.  
  
Diabetes is defined using the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM/ICD-10) diagnosis codes identified in Medicare Part A inpatient and outpatient and Part B Carrier claims data. Patients excluded from the cohort are identified with a Medicare Denominator File. The ICD-9-CM codes that define the cohort are listed in Table 1. (ICD-10-CM diagnosis codes and crosswalk to ICD-9-CM are listed in Appendix Table 1.)

**Table 1. Denominator Details: ICD-9-CM Diagnosis Codes Used to Identify Diabetes Cohort**

ICD-9-CM Code	Description
250.00	Diabetes without mention of complication, controlled
250.01	Diabetes without mention of complication, T1, controlled
250.02	Diabetes without mention of complication, T2, uncontrolled
250.03	Diabetes without mention of complication, T1, uncontrolled
250.10	Diabetes with ketoacidosis, T2, diabetes controlled
250.11	Diabetes with ketoacidosis, T1, diabetes controlled
250.12	Diabetes with ketoacidosis, T2, diabetes uncontrolled
250.13	Diabetes with ketoacidosis, T1, diabetes uncontrolled
250.20	Diabetes with hyperosmolarity, T2, diabetes controlled
250.21	Diabetes with hyperosmolarity, T1, diabetes controlled
250.22	Diabetes with hyperosmolarity, T2, diabetes uncontrolled
250.23	Diabetes with hyperosmolarity, T1, diabetes uncontrolled
250.30	Diabetes with other coma, T2, diabetes controlled
250.31	Diabetes with other coma, T1, diabetes controlled
250.32	Diabetes with other coma, T2, diabetes uncontrolled
250.33	Diabetes with other coma, T1, diabetes uncontrolled
250.40	Diabetes with renal manifestations, T2 controlled
250.41	Diabetes with renal manifestations, T1 controlled
250.42	Diabetes with renal manifestations, T2 uncontrolled
250.43	Diabetes with renal manifestations, T1 uncontrolled
250.50	Diabetes with ophthalmic manifestations, T2 controlled
250.51	Diabetes with ophthalmic manifestations, T1 controlled
250.52	Diabetes with ophthalmic manifestations, T2 uncontrolled
250.53	Diabetes with ophthalmic manifestations, T1 uncontrolled
250.60	Diabetes with neurological manifestations, T2 controlled
250.61	Diabetes with neurological manifestations, T1 controlled
250.62	Diabetes with neurological manifestations, T2 uncontrolled
250.63	Diabetes with neurological manifestations, T1 uncontrolled
250.70	Diabetes with peripheral circulatory disorders, T2 controlled
250.71	Diabetes with peripheral circulatory disorders, T1 controlled
250.72	Diabetes with peripheral circulatory disorders, T2 uncontrolled
250.73	Diabetes with peripheral circulatory disorders, T1 uncontrolled
250.80	Diabetes with other specified manifestations (Diabetic hypoglycemia NOS, Hypoglycemic shock NOS), T2 controlled
250.81	Diabetes with other specified manifestations (Diabetic hypoglycemia NOS, Hypoglycemic shock NOS), T1 controlled
250.82	Diabetes with other specified manifestations (Diabetic hypoglycemia NOS, Hypoglycemic shock NOS), T2 uncontrolled
250.83	Diabetes with other specified manifestations (Diabetic hypoglycemia NOS, Hypoglycemic shock NOS), T1 uncontrolled
250.90	Diabetes with unspecified complication, T2 controlled
250.91	Diabetes with unspecified complication, T1 controlled
250.92	Diabetes with unspecified complication, T2 uncontrolled
250.93	Diabetes with unspecified complication, T1 uncontrolled
357.20	Polyneuropathy in diabetes

(continued)

**Table 1. Denominator Details: ICD-9-CM Diagnosis Codes Used to Identify Diabetes Cohort (continued)**

ICD-9-CM Code	Description
362.01	Background diabetic retinopathy
362.02	Proliferative diabetic retinopathy
362.03	Nonproliferative diabetic retinopathy NOS
362.04	Mild nonproliferative diabetic retinopathy
362.05	Moderate nonproliferative diabetic retinopathy
362.06	Severe nonproliferative diabetic retinopathy
366.41	Diabetic cataract

- Denominator Exceptions and Exclusions

The measure excludes:

- Beneficiaries that do not have 12 months continuous enrollment in Medicare Part A and B during the year prior to the measurement year.  
*Rationale:* This data is needed to attribute chronic conditions to beneficiaries.
- Beneficiaries that do not have 12 months continuous enrollment in Medicare Part A during the measurement year. Beneficiaries who become deceased during the measurement period are excluded if they do not have continuous enrollment in Medicare Part A until death (i.e., the 12 month requirement is relaxed for these beneficiaries). Beneficiaries with continuous enrollment until death are excluded after the time of death.  
*Rationale:* We exclude these patients to ensure full data availability for outcome assessment (Part A during the measurement year). Beneficiaries with continuous enrollment who become deceased during the year are included only for the time they are alive.

- Denominator Exceptions and Exclusions Details

- Beneficiaries without continuous enrollment in Medicare Part A and D during the year prior to the measurement year. Lack of continuous enrollment in Medicare Part A and B is determined by patient enrollment status in a Medicare Denominator File. The enrollment indicators must be appropriately marked during the year prior to the measurement year.
- Beneficiaries without continuous enrollment in Medicare Part A for the duration of the measurement period (or until death) are excluded. Lack of continuous enrollment in Medicare Part A is determined by patient enrollment status in a Medicare Denominator File. The enrollment indicators must be appropriately marked during the measurement year.

## Numerator

- Numerator Statement

The outcome measured for each beneficiary is the number of acute unplanned admissions per 100 person-years at risk for admission. Persons are considered at risk for admission if they are alive, enrolled in FFS Medicare, and not currently admitted to an acute care hospital.

- Numerator Details

*Outcome Definition*

The outcome for this measure is the number of acute unplanned admissions per 100 person-years at risk for admission. The outcome includes inpatient admissions to an acute care hospital for any cause during the measurement year, unless an admission is identified as “planned.”

### *Identification of Planned Admissions*

The measure outcome includes only unplanned admissions. Although clinical experts agree that proper care in the ambulatory setting should reduce hospital admissions, variation in planned admissions (such as for elective surgery) does not typically reflect quality differences. We based the planned admission algorithm on CMS's Planned Readmission Algorithm Version 3.0, which CMS originally created to identify planned readmissions for the hospital-wide readmission measure. In brief, the algorithm identifies a short list of always planned admissions (i.e., those where the principal discharge diagnosis is major organ transplant, obstetrical delivery, or maintenance chemotherapy; See Appendix Table PA1 and PA2) as well as those admissions with a potentially planned procedure (e.g., total hip replacement or cholecystectomy; See Appendix Table PA3) AND a non-acute principal discharge diagnosis code (See Appendix Table PA4 for acute diagnoses). Admissions that include potentially planned procedures that might represent complications of ambulatory care, such as cardiac catheterization, are not considered planned. To adapt the algorithm for this measures, we removed from the potentially planned procedure list two procedures, cardiac catheterization and amputation, because the need for these procedures might reflect progression of clinical conditions that potentially could have been managed in the ambulatory setting to avoid admissions for these procedures.

### *Outcome Attribution*

The outcome is attributed to the Accountable Care Organization (ACO) to which the beneficiary is assigned in the Shared Savings Program or aligned in the Pioneer ACO Model.

## **Stratification or Risk Adjustment**

- Stratification: Not applicable. This measure is not stratified.
- Risk Adjustment:

We use a two-level hierarchical negative binomial model to estimate risk-standardized acute, unplanned admissions per 100 person-years at risk for admission. This approach accounts for the clustering of patients within ACOs and variation in sample size.

Our approach to risk adjustment is tailored to and appropriate for a publicly reported outcome measure, as articulated in the American Heart Association (AHA) Scientific Statement, "Standards for Statistical Models Used for Public Reporting of Health Outcomes" [1-2]. The risk-standardization model includes age and 22 clinical variables. We define clinical variables using condition categories (CCs), which are clinically meaningful groupings of ICD-9/ICD-10 diagnosis codes.

### *Model Variables\**

The risk-adjustment variables defined using Version 22 CCs and ICD-10 codes are:

1. Age
2. High risk cardiovascular (CV) factors (CC 86, 87, 106, 107)
3. Low risk CV factors (CC 88, 89, 98, 108, 109)
4. Arrhythmia (CC 96, 97 )
5. Advanced cancer (CC 8, 9, 10, 11, 13)
6. Dementia (CC 51, 52, 53)
7. Heart failure (CC 80)
8. Dialysis (CC 134)
9. Disability/frailty (CC 21, 70, 71, 72, 103, 119, 157, 158, 159, 160, 161, 169, 189, 190)
10. Gastrointestinal and genitourinary disorders (CC 31, 32, 33, 35, 36, 142, 188)
11. Hematologic diseases (CC 46, 48)
12. Infectious and immune disorders (CC 1, 3, 4, 5, 6, 47, 90)
13. Kidney disease (CC 132, 135-140, 141)

14. Liver disease (27, 28, 29, 30)
15. Neurological disease (CC 50, 64, 68, 74, 76, 77, 78, 79, 80, 99, 100, 101, 102, 104, 105, 167)
16. Psychiatric Illness/Substance abuse (CC 54, 55, 56, 57, 58, 59, 60, 61, 62, 63)
17. Pulmonary disease (CC 110, 111, 112, 113, 117, 118)
18. Other advanced organ failure (CC 82, 84)
19. Diabetes severity index (number of complications associated with diabetes based on ICD-9/ICD-10 codes; ranges from zero to seven; adapted from Young et al. [3]) (See Table 2 in Appendix for ICD-9-CM and ICD-10-CM codes)
20. Iron deficiency anemia (CC 49)
21. Major organ transplant (CC 186)
22. Other organ transplant (CC 187)
23. Hip fracture/major fracture (CC 170-171)

#### Citations

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2. Normand S-LT, Shahian DM. Statistical and Clinical Aspects of Hospital Outcomes Profiling. *Stat Sci*. 2007; 22 (2): 206-226.
3. Young BA, Lin E, Von Korff M, et al. Diabetes complications severity index and risk of mortality, hospitalization, and healthcare utilization. *The American journal of managed care*. Jan 2008;14(1):15-23.

#### Sampling

- This is not based on a sample or survey.

#### Calculation Algorithm

The RSAAR for each ACO is calculated as the number of “predicted” to the number of “expected” admissions per 100 person-years, multiplied by the national rate of admissions among all ACO beneficiaries with diabetes—i.e., all eligible ACO beneficiaries with diabetes are used in the measure score calculation, and a score is generated for each ACO.

1. Two-level hierarchical statistical models, accounting for clustering of patients within ACOs and patient level characteristics, are estimated. The measure uses a negative binomial model since our outcome is a count of the number of admissions. The first level of the model adjusts for patient factors. The relationship between patient risk factors and the outcome of admission is determined based on the overall sample of patients within ACOs. The second level of the model estimates a random-intercept term that reflects the ACO’s contribution to admission risk, based on its actual admission rate, the performance of other providers with similar case mix, and its sample size. The ACO-specific random intercept is used in the numerator calculation to derive an ACO-specific number of “predicted” admissions per person-year.
2. The expected number of admissions is calculated based on the ACO’s case mix and national average intercept.
3. The predicted number of admissions is calculated based on the ACO’s case mix and the estimated ACO-specific intercept term.
4. The measure score is the ratio of predicted admissions over the expected admissions multiplied by the crude national admission rate among all ACO patients. The predicted to expected ratio of admissions is analogous to an observed/expected ratio, but the numerator accounts for clustering and sample-size variation.

5. We multiply the ratio for each ACO by a constant, the crude national rate of acute, unplanned admissions per 100 person-years at risk for hospitalization, for ease of interpretation (RSAAR).



### Appendix Tables

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25000	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	E119	Type 2 diabetes mellitus without complications
25001	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	E109	Type 1 diabetes mellitus without complications
25002	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25003	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25010	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	E1169	Type 2 diabetes mellitus with other specified complication
25010	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	E1310	Oth diabetes mellitus with ketoacidosis without coma
25011	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	E1010	Type 1 diabetes mellitus with ketoacidosis without coma
25012	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25012	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	E1169	Type 2 diabetes mellitus with other specified complication
25012	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	E1310	Oth diabetes mellitus with ketoacidosis without coma
25013	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	E1010	Type 1 diabetes mellitus with ketoacidosis without coma
25013	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25020	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	E1100	Type 2 diabetes w hyposm w/o nonket hyprgly-hypros coma (NKHHC)
25020	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	E1101	Type 2 diabetes mellitus with hyperosmolarity with coma
25021	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25022	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	E1100	Type 2 diab w hyprosm w/o nonket hyprgly-hypros coma (NKHHC)
25022	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25023	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25023	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication
25030	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	E11641	Type 2 diabetes mellitus with hypoglycemia with coma
25031	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	E1011	Type 1 diabetes mellitus with ketoacidosis with coma
25031	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	E10641	Type 1 diabetes mellitus with hypoglycemia with coma
25032	Diabetes with other coma, type II or unspecified type, uncontrolled	E1101	Type 2 diabetes mellitus with hyperosmolarity with coma
25032	Diabetes with other coma, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25033	Diabetes with other coma, type I [juvenile type], uncontrolled	E1011	Type 1 diabetes mellitus with ketoacidosis with coma
25033	Diabetes with other coma, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1129	Type 2 diabetes mellitus w oth diabetic kidney complication
25041	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	E1029	Type 1 diabetes mellitus w oth diabetic kidney complication
25042	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	E1121	Type 2 diabetes mellitus with diabetic nephropathy
25042	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25043	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	E1021	Type 1 diabetes mellitus with diabetic nephropathy
25043	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11311	Type 2 diabetes w unsp diabetic retinopathy w macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11319	Type 2 diabetes w unsp diabetic rtnop w/o macular edema

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1136	Type 2 diabetes mellitus with diabetic cataract
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1139	Type 2 diabetes w oth diabetic ophthalmic complication
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10311	Type 1 diabetes w unsp diabetic retinopathy w macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10319	Type 1 diabetes w unsp diabetic rtnop w/o macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E1036	Type 1 diabetes mellitus with diabetic cataract
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E1039	Type 1 diabetes w oth diabetic ophthalmic complication
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E11311	Type 2 diabetes w unsp diabetic retinopathy w macular edema
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E11319	Type 2 diabetes w unsp diabetic rtnop w/o macular edema
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E1136	Type 2 diabetes mellitus with diabetic cataract
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E1139	Type 2 diabetes w oth diabetic ophthalmic complication
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E10311	Type 1 diabetes w unsp diabetic retinopathy w macular edema
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E10319	Type 1 diabetes w unsp diabetic rtnop w/o macular edema
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E1036	Type 1 diabetes mellitus with diabetic cataract
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E1039	Type 1 diabetes w oth diabetic ophthalmic complication
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unsp
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unsp

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25062	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unsp
25062	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25063	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unsp
25063	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25070	This code can not be used for billing	E1151	Type 2 diabetes w diabetic peripheral angiopath w/o gangrene
25071	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	E1051	Type 1 diabetes w diabetic peripheral angiopath w/o gangrene
25072	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	E1151	Type 2 diabetes w diabetic peripheral angiopath w/o gangrene
25072	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25073	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	E1051	Type 1 diabetes w diabetic peripheral angiopath w/o gangrene
25073	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11618	Type 2 diabetes mellitus with other diabetic arthropathy
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11620	Type 2 diabetes mellitus with diabetic dermatitis
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11621	Type 2 diabetes mellitus with foot ulcer
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11622	Type 2 diabetes mellitus with other skin ulcer
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11628	Type 2 diabetes mellitus with other skin complications
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11630	Type 2 diabetes mellitus with periodontal disease

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11638	Type 2 diabetes mellitus with other oral complications
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E11649	Type 2 diabetes mellitus with hypoglycemia without coma
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25080	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	E1169	Type 2 diabetes mellitus with other specified complication
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10618	Type 1 diabetes mellitus with other diabetic arthropathy
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10620	Type 1 diabetes mellitus with diabetic dermatitis
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10621	Type 1 diabetes mellitus with foot ulcer
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10622	Type 1 diabetes mellitus with other skin ulcer
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10628	Type 1 diabetes mellitus with other skin complications
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10630	Type 1 diabetes mellitus with periodontal disease
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10638	Type 1 diabetes mellitus with other oral complications
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E10649	Type 1 diabetes mellitus with hypoglycemia without coma
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25081	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25082	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25082	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	E1169	Type 2 diabetes mellitus with other specified complication
25083	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25083	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication
25090	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	E118	Type 2 diabetes mellitus with unspecified complications
25091	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	E108	Type 1 diabetes mellitus with unspecified complications
25092	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25092	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	E118	Type 2 diabetes mellitus with unspecified complications
25093	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
25093	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	E108	Type 1 diabetes mellitus with unspecified complications
35720	Polyneuropathy in diabetes	E0842	Diabetes due to underlying condition w diabetic polyneuropathy
35720	Polyneuropathy in diabetes	E0942	Drug/chem diabetes w neurological comp w diabetic polyneuropathy
35720	Polyneuropathy in diabetes	E1042	Type 1 diabetes mellitus with diabetic polyneuropathy
35720	Polyneuropathy in diabetes	E1142	Type 2 diabetes mellitus with diabetic polyneuropathy
35720	Polyneuropathy in diabetes	E1342	Other diabetes mellitus with diabetic polyneuropathy
36201	Background diabetic retinopathy	E11319	Type 2 diabetes w unspecified diabetic retinopathy w/o macular edema
36202	Proliferative diabetic retinopathy	E11359	Type 2 diabetes w proliferative diabetic retinopathy w/o macular edema
36203	Nonproliferative diabetic retinopathy NOS	E11329	Type 2 diabetic w mild nonproliferative diabetic retinopathy w/o macular edema

(continued)

**Table 1: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Cohort Codes (continued)**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36204	Mild nonproliferative diabetic retinopathy	E11329	Type 2 diabetes w mild nonproliferative diabetic retinopathy w/o macular edema
36205	Moderate nonproliferative diabetic retinopathy	E11339	Type 2 diabetes w moderate nonproliferative diabetic retinopathy w/o macular edema
36206	Severe nonproliferative diabetic retinopathy	E11349	Type 2 diabetes w severe nonproliferative diabetic retinopathy w/o macular edema
36641	Diabetic cataract	E0836	Diabetes due to underlying condition w diabetic cataract
36641	Diabetic cataract	E0936	Drug/chem diabetes mellitus w diabetic cataract
36641	Diabetic cataract	E1036	Type 1 diabetes mellitus with diabetic cataract
36641	Diabetic cataract	E1136	Type 2 diabetes mellitus with diabetic cataract
36641	Diabetic cataract	E1336	Other specified diabetes mellitus with diabetic cataract

**Table 2: Risk-Standardized Acute Admission Rates for Patients with Diabetes: Diabetes Severity Index**

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
ICD-9-CM Code	Retinopathy	ICD-10-CM Code	Retinopathy
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as	E11339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	uncontrolled		macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E11359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1136	Type 2 diabetes mellitus with diabetic cataract
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1136	Type 2 diabetes mellitus with diabetic cataract
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1139	Type 2 diabetes mellitus with other diabetic ophthalmic complication
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations,	E13339	Other specified diabetes mellitus with



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	type II or unspecified type, not stated as uncontrolled		moderate nonproliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E13359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1336	Other specified diabetes mellitus with diabetic cataract
25050	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	E1339	Other specified diabetes mellitus with other diabetic ophthalmic complication
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10321	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10329	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10331	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10339	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10341	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10349	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E10359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E1036	Type 1 diabetes mellitus with diabetic cataract
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E1036	Type 1 diabetes mellitus with diabetic cataract
25051	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	E1039	Type 1 diabetes mellitus with other diabetic ophthalmic complication
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E11311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E11319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E1136	Type 2 diabetes mellitus with diabetic cataract
25052	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	E1139	Type 2 diabetes mellitus with other diabetic ophthalmic complication
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E10319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E1036	Type 1 diabetes mellitus with diabetic cataract
25053	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	E1039	Type 1 diabetes mellitus with other diabetic ophthalmic complication

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36100	Retinal detachment with retinal defect, unspecified	H33001	Unspecified retinal detachment with retinal break, right eye
36100	Retinal detachment with retinal defect, unspecified	H33002	Unspecified retinal detachment with retinal break, left eye
36100	Retinal detachment with retinal defect, unspecified	H33003	Unspecified retinal detachment with retinal break, bilateral
36100	Retinal detachment with retinal defect, unspecified	H33009	Unspecified retinal detachment with retinal break, unspecified eye
36101	Recent retinal detachment, partial, with single defect	H33011	Retinal detachment with single break, right eye
36101	Recent retinal detachment, partial, with single defect	H33012	Retinal detachment with single break, left eye
36101	Recent retinal detachment, partial, with single defect	H33013	Retinal detachment with single break, bilateral
36101	Recent retinal detachment, partial, with single defect	H33019	Retinal detachment with single break, unspecified eye
36102	Recent retinal detachment, partial, with multiple defects	H33021	Retinal detachment with multiple breaks, right eye
36102	Recent retinal detachment, partial, with multiple defects	H33022	Retinal detachment with multiple breaks, left eye
36102	Recent retinal detachment, partial, with multiple defects	H33023	Retinal detachment with multiple breaks, bilateral
36102	Recent retinal detachment, partial, with multiple defects	H33029	Retinal detachment with multiple breaks, unspecified eye
36103	Recent retinal detachment, partial, with giant tear	H33031	Retinal detachment with giant retinal tear, right eye
36103	Recent retinal detachment, partial, with giant tear	H33032	Retinal detachment with giant retinal tear, left eye
36103	Recent retinal detachment, partial, with giant tear	H33033	Retinal detachment with giant retinal tear, bilateral
36103	Recent retinal detachment, partial, with giant tear	H33039	Retinal detachment with giant retinal tear, unspecified eye
36104	Recent retinal detachment, partial, with retinal dialysis	H33041	Retinal detachment with retinal dialysis, right eye
36104	Recent retinal detachment, partial, with	H33042	Retinal detachment with retinal dialysis, left

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	retinal dialysis		eye
36104	Recent retinal detachment, partial, with retinal dialysis	H33043	Retinal detachment with retinal dialysis, bilateral
36104	Recent retinal detachment, partial, with retinal dialysis	H33049	Retinal detachment with retinal dialysis, unspecified eye
36105	Recent retinal detachment, total or subtotal	H33051	Total retinal detachment, right eye
36105	Recent retinal detachment, total or subtotal	H33052	Total retinal detachment, left eye
36105	Recent retinal detachment, total or subtotal	H33053	Total retinal detachment, bilateral
36105	Recent retinal detachment, total or subtotal	H33059	Total retinal detachment, unspecified eye
36106	Old retinal detachment, partial	H338	Other retinal detachments
36107	Old retinal detachment, total or subtotal	H33051	Total retinal detachment, right eye
36107	Old retinal detachment, total or subtotal	H33052	Total retinal detachment, left eye
36107	Old retinal detachment, total or subtotal	H33053	Total retinal detachment, bilateral
36107	Old retinal detachment, total or subtotal	H33059	Total retinal detachment, unspecified eye
36110	Retinoschisis, unspecified	H33101	Unspecified retinoschisis, right eye
36110	Retinoschisis, unspecified	H33102	Unspecified retinoschisis, left eye
36110	Retinoschisis, unspecified	H33103	Unspecified retinoschisis, bilateral
36110	Retinoschisis, unspecified	H33109	Unspecified retinoschisis, unspecified eye
36111	Flat retinoschisis	H33199	Other retinoschisis and retinal cysts, unspecified eye
36112	Bullous retinoschisis	H33199	Other retinoschisis and retinal cysts, unspecified eye
36113	Primary retinal cysts	H33199	Other retinoschisis and retinal cysts, unspecified eye
36114	Secondary retinal cysts	H33199	Other retinoschisis and retinal cysts, unspecified eye
36119	Other retinoschisis and retinal cysts	H33111	Cyst of ora serrata, right eye
36119	Other retinoschisis and retinal cysts	H33112	Cyst of ora serrata, left eye

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36119	Other retinoschisis and retinal cysts	H33113	Cyst of ora serrata, bilateral
36119	Other retinoschisis and retinal cysts	H33119	Cyst of ora serrata, unspecified eye
36119	Other retinoschisis and retinal cysts	H33191	Other retinoschisis and retinal cysts, right eye
36119	Other retinoschisis and retinal cysts	H33192	Other retinoschisis and retinal cysts, left eye
36119	Other retinoschisis and retinal cysts	H33193	Other retinoschisis and retinal cysts, bilateral
36119	Other retinoschisis and retinal cysts	H33199	Other retinoschisis and retinal cysts, unspecified eye
3612	Serous retinal detachment	H3320	Serous retinal detachment, unspecified eye
3612	Serous retinal detachment	H3321	Serous retinal detachment, right eye
3612	Serous retinal detachment	H3322	Serous retinal detachment, left eye
3612	Serous retinal detachment	H3323	Serous retinal detachment, bilateral
36130	Retinal defect, unspecified	H33301	Unspecified retinal break, right eye
36130	Retinal defect, unspecified	H33302	Unspecified retinal break, left eye
36130	Retinal defect, unspecified	H33303	Unspecified retinal break, bilateral
36130	Retinal defect, unspecified	H33309	Unspecified retinal break, unspecified eye
36131	Round hole of retina without detachment	H33321	Round hole, right eye
36131	Round hole of retina without detachment	H33322	Round hole, left eye
36131	Round hole of retina without detachment	H33323	Round hole, bilateral
36131	Round hole of retina without detachment	H33329	Round hole, unspecified eye
36132	Horseshoe tear of retina without detachment	H33311	Horseshoe tear of retina without detachment, right eye
36132	Horseshoe tear of retina without detachment	H33312	Horseshoe tear of retina without detachment, left eye
36132	Horseshoe tear of retina without detachment	H33313	Horseshoe tear of retina without detachment, bilateral
36132	Horseshoe tear of retina without detachment	H33319	Horseshoe tear of retina without detachment, unspecified eye
36133	Multiple defects of retina without detachment	H33331	Multiple defects of retina without detachment, right eye
36133	Multiple defects of retina without detachment	H33332	Multiple defects of retina without detachment, left eye

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36133	Multiple defects of retina without detachment	H33333	Multiple defects of retina without detachment, bilateral
36133	Multiple defects of retina without detachment	H33339	Multiple defects of retina without detachment, unspecified eye
36181	Traction detachment of retina	H3340	Traction detachment of retina, unspecified eye
36181	Traction detachment of retina	H3341	Traction detachment of retina, right eye
36181	Traction detachment of retina	H3342	Traction detachment of retina, left eye
36181	Traction detachment of retina	H3343	Traction detachment of retina, bilateral
36189	Other forms of retinal detachment	H338	Other retinal detachments
3619	Unspecified retinal detachment	H3320	Serous retinal detachment, unspecified eye
36201	Background diabetic retinopathy	E08311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E08319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E08331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E08339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E08341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E08349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E09311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E09319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E09331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			retinopathy with macular edema
36201	Background diabetic retinopathy	E09339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E09341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E09349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E10319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E11311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E11319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
36201	Background diabetic retinopathy	E13311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
36201	Background diabetic retinopathy	E13319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
36202	Proliferative diabetic retinopathy	E08351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema
36202	Proliferative diabetic retinopathy	E08359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema
36202	Proliferative diabetic retinopathy	E09351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema
36202	Proliferative diabetic retinopathy	E09359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema
36202	Proliferative diabetic retinopathy	E10351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36202	Proliferative diabetic retinopathy	E10359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema
36202	Proliferative diabetic retinopathy	E11351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
36202	Proliferative diabetic retinopathy	E11359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
36202	Proliferative diabetic retinopathy	E13351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema
36202	Proliferative diabetic retinopathy	E13359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
36210	Background retinopathy, unspecified	H3500	Unspecified background retinopathy
36211	Hypertensive retinopathy	H35031	Hypertensive retinopathy, right eye
36211	Hypertensive retinopathy	H35032	Hypertensive retinopathy, left eye
36211	Hypertensive retinopathy	H35033	Hypertensive retinopathy, bilateral
36211	Hypertensive retinopathy	H35039	Hypertensive retinopathy, unspecified eye
36212	Exudative retinopathy	H35021	Exudative retinopathy, right eye
36212	Exudative retinopathy	H35022	Exudative retinopathy, left eye
36212	Exudative retinopathy	H35023	Exudative retinopathy, bilateral
36212	Exudative retinopathy	H35029	Exudative retinopathy, unspecified eye
36213	Changes in vascular appearance of retina	H35011	Changes in retinal vascular appearance, right eye
36213	Changes in vascular appearance of retina	H35012	Changes in retinal vascular appearance, left eye
36213	Changes in vascular appearance of retina	H35013	Changes in retinal vascular appearance, bilateral
36213	Changes in vascular appearance of retina	H35019	Changes in retinal vascular appearance, unspecified eye
36214	Retinal microaneurysms NOS	H35041	Retinal micro-aneurysms, unspecified, right eye
36214	Retinal microaneurysms NOS	H35042	Retinal micro-aneurysms, unspecified, left eye
36214	Retinal microaneurysms NOS	H35043	Retinal micro-aneurysms, unspecified, bilateral



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36214	Retinal microaneurysms NOS	H35049	Retinal micro-aneurysms, unspecified, unspecified eye
36215	Retinal telangiectasia	H35071	Retinal telangiectasis, right eye
36215	Retinal telangiectasia	H35072	Retinal telangiectasis, left eye
36215	Retinal telangiectasia	H35073	Retinal telangiectasis, bilateral
36215	Retinal telangiectasia	H35079	Retinal telangiectasis, unspecified eye
36216	Retinal neovascularization NOS	H35051	Retinal neovascularization, unspecified, right eye
36216	Retinal neovascularization NOS	H35052	Retinal neovascularization, unspecified, left eye
36216	Retinal neovascularization NOS	H35053	Retinal neovascularization, unspecified, bilateral
36216	Retinal neovascularization NOS	H35059	Retinal neovascularization, unspecified, unspecified eye
36217	Other intraretinal microvascular abnormalities	H3509	Other intraretinal microvascular abnormalities
36218	Retinal vasculitis	H35061	Retinal vasculitis, right eye
36218	Retinal vasculitis	H35062	Retinal vasculitis, left eye
36218	Retinal vasculitis	H35063	Retinal vasculitis, bilateral
36218	Retinal vasculitis	H35069	Retinal vasculitis, unspecified eye
36253	Cystoid macular degeneration	H35351	Cystoid macular degeneration, right eye
36253	Cystoid macular degeneration	H35352	Cystoid macular degeneration, left eye
36253	Cystoid macular degeneration	H35353	Cystoid macular degeneration, bilateral
36253	Cystoid macular degeneration	H35359	Cystoid macular degeneration, unspecified eye
36281	Retinal hemorrhage	H3560	Retinal hemorrhage, unspecified eye
36281	Retinal hemorrhage	H3561	Retinal hemorrhage, right eye
36281	Retinal hemorrhage	H3562	Retinal hemorrhage, left eye
36281	Retinal hemorrhage	H3563	Retinal hemorrhage, bilateral
36282	Retinal exudates and deposits	H3589	Other specified retinal disorders
36283	Retinal edema	H3581	Retinal edema

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36900	Profound impairment, both eyes, impairment level not further specified	H540	Blindness, both eyes
36901	Better eye: total vision impairment; lesser eye: total vision impairment	H540	Blindness, both eyes
36902	Better eye: near-total vision impairment; lesser eye: not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36903	Better eye: near-total vision impairment; lesser eye: total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36904	Better eye: near-total vision impairment; lesser eye: near-total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36905	Better eye: profound vision impairment; lesser eye: not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36906	Better eye: profound vision impairment; lesser eye: total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36907	Better eye: profound vision impairment; lesser eye: near-total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36908	Better eye: profound vision impairment; lesser eye: profound vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36910	Moderate or severe impairment, better eye, impairment level not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36910	Moderate or severe impairment, better eye, impairment level not further specified	H5411	Blindness, right eye, low vision left eye
36910	Moderate or severe impairment, better eye, impairment level not further specified	H5412	Blindness, left eye, low vision right eye
36911	Better eye: severe vision impairment; lesser eye: blind, not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36912	Better eye: severe vision impairment; lesser eye: total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36913	Better eye: severe vision impairment; lesser eye: near-total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36914	Better eye: severe vision impairment; lesser eye: profound vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36915	Better eye: moderate vision impairment;	H5410	Blindness, one eye, low vision other eye,

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	lesser eye: blind, not further specified		unspecified eyes
36916	Better eye: moderate vision impairment; lesser eye: total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36917	Better eye: moderate vision impairment; lesser eye: near-total vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36918	Better eye: moderate vision impairment; lesser eye: profound vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36920	Moderate or severe impairment, both eyes, impairment level not further specified	H542	Low vision, both eyes
36921	Better eye: severe vision impairment; lesser eye; impairment not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36922	Better eye: severe vision impairment; lesser eye: severe vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36923	Better eye: moderate vision impairment; lesser eye: impairment not further specified	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36924	Better eye: moderate vision impairment; lesser eye: severe vision impairment	H5410	Blindness, one eye, low vision other eye, unspecified eyes
36925	Better eye: moderate vision impairment; lesser eye: moderate vision impairment	H542	Low vision, both eyes
3693	Unqualified visual loss, both eyes	H543	Unqualified visual loss, both eyes
3694	Legal blindness, as defined in U.S.A.	H548	Legal blindness, as defined in USA
36960	Profound impairment, one eye, impairment level not further specified	H5440	Blindness, one eye, unspecified eye
36961	One eye: total vision impairment; other eye: not specified	H5441	Blindness, right eye, normal vision left eye
36961	One eye: total vision impairment; other eye: not specified	H5442	Blindness, left eye, normal vision right eye
36962	One eye: total vision impairment; other eye: near-normal vision	H5441	Blindness, right eye, normal vision left eye
36962	One eye: total vision impairment; other eye: near-normal vision	H5442	Blindness, left eye, normal vision right eye
36963	One eye: total vision impairment; other	H5441	Blindness, right eye, normal vision left eye

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	eye: normal vision		
36963	One eye: total vision impairment; other eye: normal vision	H5442	Blindness, left eye, normal vision right eye
36964	One eye: near-total vision impairment; other eye: vision not specified	H5441	Blindness, right eye, normal vision left eye
36964	One eye: near-total vision impairment; other eye: vision not specified	H5442	Blindness, left eye, normal vision right eye
36965	One eye: near-total vision impairment; other eye: near-normal vision	H5441	Blindness, right eye, normal vision left eye
36965	One eye: near-total vision impairment; other eye: near-normal vision	H5442	Blindness, left eye, normal vision right eye
36966	One eye: near-total vision impairment; other eye: normal vision	H5441	Blindness, right eye, normal vision left eye
36966	One eye: near-total vision impairment; other eye: normal vision	H5442	Blindness, left eye, normal vision right eye
36967	One eye: profound vision impairment; other eye: vision not specified	H5441	Blindness, right eye, normal vision left eye
36967	One eye: profound vision impairment; other eye: vision not specified	H5442	Blindness, left eye, normal vision right eye
36968	One eye: profound vision impairment; other eye: near-normal vision	H5441	Blindness, right eye, normal vision left eye
36968	One eye: profound vision impairment; other eye: near-normal vision	H5442	Blindness, left eye, normal vision right eye
36969	One eye: profound vision impairment; other eye: normal vision	H5441	Blindness, right eye, normal vision left eye
36969	One eye: profound vision impairment; other eye: normal vision	H5442	Blindness, left eye, normal vision right eye
36970	Moderate or severe impairment, one eye, impairment level not further specified	H5450	Low vision, one eye, unspecified eye
36970	Moderate or severe impairment, one eye, impairment level not further specified	H5451	Low vision, right eye, normal vision left eye
36970	Moderate or severe impairment, one eye, impairment level not further specified	H5452	Low vision, left eye, normal vision right eye
36971	One eye: severe vision impairment; other eye: vision not specified	H5440	Blindness, one eye, unspecified eye

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
36972	One eye: severe vision impairment; other eye: near-normal vision	H5440	Blindness, one eye, unspecified eye
36973	One eye: severe vision impairment; other eye: normal vision	H5440	Blindness, one eye, unspecified eye
36974	One eye: moderate vision impairment; other eye: vision not specified	H5450	Low vision, one eye, unspecified eye
36975	One eye: moderate vision impairment; other eye: near-normal vision	H5450	Low vision, one eye, unspecified eye
36976	One eye: moderate vision impairment; other eye: normal vision	H5450	Low vision, one eye, unspecified eye
3698	Unqualified visual loss, one eye	H5460	Unqualified visual loss, one eye, unspecified
3698	Unqualified visual loss, one eye	H5461	Unqualified visual loss, right eye, normal vision left eye
3698	Unqualified visual loss, one eye	H5462	Unqualified visual loss, left eye, normal vision right eye
3699	Unspecified visual loss	H547	Unspecified visual loss
37923	Vitreous hemorrhage	H4310	Vitreous hemorrhage, unspecified eye
37923	Vitreous hemorrhage	H4311	Vitreous hemorrhage, right eye
37923	Vitreous hemorrhage	H4312	Vitreous hemorrhage, left eye
37923	Vitreous hemorrhage	H4313	Vitreous hemorrhage, bilateral
ICD-9-CM Code	Nephropathy	ICD-10-CM Code	Nephropathy
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1121	Type 2 diabetes mellitus with diabetic nephropathy
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1122	Type 2 diabetes mellitus with diabetic chronic kidney disease
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1129	Type 2 diabetes mellitus with other diabetic kidney complication
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1321	Other specified diabetes mellitus with diabetic nephropathy

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1322	Other specified diabetes mellitus with diabetic chronic kidney disease
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E1329	Other specified diabetes mellitus with other diabetic kidney complication
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0821	Diabetes mellitus due to underlying condition with diabetic nephropathy
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0822	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0829	Diabetes mellitus due to underlying condition with other diabetic kidney complication
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0921	Drug or chemical induced diabetes mellitus with diabetic nephropathy
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0922	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease
25040	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	E0929	Drug or chemical induced diabetes mellitus with other diabetic kidney complication
25041	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	E1021	Type 1 diabetes mellitus with diabetic nephropathy
25041	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease
25041	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	E1029	Type 1 diabetes mellitus with other diabetic kidney complication
25042	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	E1121	Type 2 diabetes mellitus with diabetic nephropathy
25043	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	E1021	Type 1 diabetes mellitus with diabetic nephropathy
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N000	Acute nephritic syndrome with minor glomerular abnormality
5800	Acute glomerulonephritis with lesion of	N001	Acute nephritic syndrome with focal and

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	proliferative glomerulonephritis		segmental glomerular lesions
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N002	Acute nephritic syndrome with diffuse membranous glomerulonephritis
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N003	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N004	Acute nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N005	Acute nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N006	Acute nephritic syndrome with dense deposit disease
5800	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	N007	Acute nephritic syndrome with diffuse crescentic glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N010	Rapidly progressive nephritic syndrome with minor glomerular abnormality
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N011	Rapidly progressive nephritic syndrome with focal and segmental glomerular lesions
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N012	Rapidly progressive nephritic syndrome with diffuse membranous glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N013	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N014	Rapidly progressive nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N015	Rapidly progressive nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N016	Rapidly progressive nephritic syndrome with dense deposit disease
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N017	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N018	Rapidly progressive nephritic syndrome with other morphologic changes
5804	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N019	Rapidly progressive nephritic syndrome with unspecified morphologic changes

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
58081	Acute glomerulonephritis in diseases classified elsewhere	N08	Glomerular disorders in diseases classified elsewhere
58089	Acute glomerulonephritis with other specified pathological lesion in kidney	N008	Acute nephritic syndrome with other morphologic changes
5809	Acute glomerulonephritis with unspecified pathological lesion in kidney	N009	Acute nephritic syndrome with unspecified morphologic changes
5810	Nephrotic syndrome with lesion of proliferative glomerulonephritis	N044	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis
5811	Nephrotic syndrome with lesion of membranous glomerulonephritis	N041	Nephrotic syndrome with focal and segmental glomerular lesions
5811	Nephrotic syndrome with lesion of membranous glomerulonephritis	N042	Nephrotic syndrome with diffuse membranous glomerulonephritis
5812	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	N043	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis
5812	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	N044	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis
5812	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	N045	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis
5812	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	N046	Nephrotic syndrome with dense deposit disease
5813	Nephrotic syndrome with lesion of minimal change glomerulonephritis	N040	Nephrotic syndrome with minor glomerular abnormality
58181	Nephrotic syndrome in diseases classified elsewhere	N08	Glomerular disorders in diseases classified elsewhere
58189	Nephrotic syndrome with other specified pathological lesion in kidney	N047	Nephrotic syndrome with diffuse crescentic glomerulonephritis
58189	Nephrotic syndrome with other specified pathological lesion in kidney	N048	Nephrotic syndrome with other morphologic changes
5819	Nephrotic syndrome with unspecified pathological lesion in kidney	N049	Nephrotic syndrome with unspecified morphologic changes
5820	Chronic glomerulonephritis with lesion of proliferative glomerulonephritis	N032	Chronic nephritic syndrome with diffuse membranous glomerulonephritis



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
5821	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	N031	Chronic nephritic syndrome with focal and segmental glomerular lesions
5821	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	N033	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
5822	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	N034	Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
5822	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	N035	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
5822	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	N036	Chronic nephritic syndrome with dense deposit disease
5822	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	N037	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis
5824	Chronic glomerulonephritis with lesion of rapidly progressive glomerulonephritis	N038	Chronic nephritic syndrome with other morphologic changes
58281	Chronic glomerulonephritis in diseases classified elsewhere	N08	Glomerular disorders in diseases classified elsewhere
58289	Chronic glomerulonephritis with other specified pathological lesion in kidney	N030	Chronic nephritic syndrome with minor glomerular abnormality
58289	Chronic glomerulonephritis with other specified pathological lesion in kidney	N038	Chronic nephritic syndrome with other morphologic changes
5829	Chronic glomerulonephritis with unspecified pathological lesion in kidney	N039	Chronic nephritic syndrome with unspecified morphologic changes
5830	Nephritis and nephropathy, not specified as acute or chronic, with lesion of proliferative glomerulonephritis	N059	Unspecified nephritic syndrome with unspecified morphologic changes
5831	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranous glomerulonephritis	N052	Unspecified nephritic syndrome with diffuse membranous glomerulonephritis
5832	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	N053	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
5832	Nephritis and nephropathy, not specified	N054	Unspecified nephritic syndrome with diffuse

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	as acute or chronic, with lesion of membranoproliferative glomerulonephritis		endocapillary proliferative glomerulonephritis
5832	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	N055	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
5834	Nephritis and nephropathy, not specified as acute or chronic, with lesion of rapidly progressive glomerulonephritis	N059	Unspecified nephritic syndrome with unspecified morphologic changes
5836	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal cortical necrosis	N171	Acute kidney failure with acute cortical necrosis
5837	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal medullary necrosis	N172	Acute kidney failure with medullary necrosis
58381	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	E0921	Drug or chemical induced diabetes mellitus with diabetic nephropathy
58381	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	M3214	Glomerular disease in systemic lupus erythematosus
58381	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	M3215	Tubulo-interstitial nephropathy in systemic lupus erythematosus
58381	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	M3504	Sicca syndrome with tubulo-interstitial nephropathy
58381	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	N08	Glomerular disorders in diseases classified elsewhere
58389	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	N050	Unspecified nephritic syndrome with minor glomerular abnormality
58389	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	N051	Unspecified nephritic syndrome with focal and segmental glomerular lesions
58389	Nephritis and nephropathy, not specified as acute or chronic, with other specified	N056	Unspecified nephritic syndrome with dense deposit disease

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	pathological lesion in kidney		
58389	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	N057	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis
58389	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	N058	Unspecified nephritic syndrome with other morphologic changes
5839	Nephritis and nephropathy, not specified as acute or chronic, with unspecified pathological lesion in kidney	N059	Unspecified nephritic syndrome with unspecified morphologic changes
5851	Chronic kidney disease, Stage I	N181	Chronic kidney disease, stage 1
5852	Chronic kidney disease, Stage II (mild)	N182	Chronic kidney disease, stage 2 (mild)
5853	Chronic kidney disease, Stage III (moderate)	N183	Chronic kidney disease, stage 3 (moderate)
5854	Chronic kidney disease, Stage IV (severe)	N184	Chronic kidney disease, stage 4 (severe)
5855	Chronic kidney disease, Stage V	N185	Chronic kidney disease, stage 5
5856	End stage renal disease	N186	End stage renal disease
5859	Chronic kidney disease, unspecified	N189	Chronic kidney disease, unspecified
586	Renal failure, unspecified	N19	Unspecified kidney failure
5939	Unspecified disorder of kidney and ureter	N289	Disorder of kidney and ureter, unspecified
5939	Unspecified disorder of kidney and ureter	N29	Other disorders of kidney and ureter in diseases classified elsewhere
ICD-9-CM Code	Neuropathy	ICD-10-CM Code	Neuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1141	Type 2 diabetes mellitus with diabetic mononeuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1142	Type 2 diabetes mellitus with diabetic polyneuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as	E1143	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	uncontrolled		
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1144	Type 2 diabetes mellitus with diabetic amyotrophy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1149	Type 2 diabetes mellitus with other diabetic neurological complication
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1149	Type 2 diabetes mellitus with other diabetic neurological complication
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E11610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1340	Other specified diabetes mellitus with diabetic neuropathy, unspecified
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1340	Other specified diabetes mellitus with diabetic neuropathy, unspecified
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1341	Other specified diabetes mellitus with diabetic mononeuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1342	Other specified diabetes mellitus with diabetic polyneuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1343	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1344	Other specified diabetes mellitus with diabetic amyotrophy
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1349	Other specified diabetes mellitus with other diabetic neurological complication
25060	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	E1349	Other specified diabetes mellitus with other diabetic neurological complication
25060	Diabetes with neurological manifestations,	E13610	Other specified diabetes mellitus with diabetic

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	type II or unspecified type, not stated as uncontrolled		neuropathic arthropathy
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1041	Type 1 diabetes mellitus with diabetic mononeuropathy
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1042	Type 1 diabetes mellitus with diabetic polyneuropathy
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1044	Type 1 diabetes mellitus with diabetic amyotrophy
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1049	Type 1 diabetes mellitus with other diabetic neurological complication
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E1049	Type 1 diabetes mellitus with other diabetic neurological complication
25061	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy
25062	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
25062	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	E1165	Type 2 diabetes mellitus with hyperglycemia
25063	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
25063	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	E1065	Type 1 diabetes mellitus with hyperglycemia
33700	Idiopathic peripheral autonomic	G9009	Other idiopathic peripheral autonomic

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	neuropathy, unspecified		neuropathy
33701	Carotid sinus syndrome	G9001	Carotid sinus syncope
33709	Other idiopathic peripheral autonomic neuropathy	G9009	Other idiopathic peripheral autonomic neuropathy
3371	Peripheral autonomic neuropathy in disorders classified elsewhere	G990	Autonomic neuropathy in diseases classified elsewhere
3540	Carpal tunnel syndrome	G5600	Carpal tunnel syndrome, unspecified upper limb
3540	Carpal tunnel syndrome	G5601	Carpal tunnel syndrome, right upper limb
3540	Carpal tunnel syndrome	G5602	Carpal tunnel syndrome, left upper limb
3541	Other lesion of median nerve	G5610	Other lesions of median nerve, unspecified upper limb
3541	Other lesion of median nerve	G5611	Other lesions of median nerve, right upper limb
3541	Other lesion of median nerve	G5612	Other lesions of median nerve, left upper limb
3542	Lesion of ulnar nerve	G5620	Lesion of ulnar nerve, unspecified upper limb
3542	Lesion of ulnar nerve	G5621	Lesion of ulnar nerve, right upper limb
3542	Lesion of ulnar nerve	G5622	Lesion of ulnar nerve, left upper limb
3543	Lesion of radial nerve	G5630	Lesion of radial nerve, unspecified upper limb
3543	Lesion of radial nerve	G5631	Lesion of radial nerve, right upper limb
3543	Lesion of radial nerve	G5632	Lesion of radial nerve, left upper limb
3544	Causalgia of upper limb	G5640	Causalgia of unspecified upper limb
3544	Causalgia of upper limb	G5641	Causalgia of right upper limb
3544	Causalgia of upper limb	G5642	Causalgia of left upper limb
3545	Mononeuritis multiplex	G587	Mononeuritis multiplex
3548	Other mononeuritis of upper limb	G5680	Other specified mononeuropathies of unspecified upper limb
3548	Other mononeuritis of upper limb	G5681	Other specified mononeuropathies of right upper limb
3548	Other mononeuritis of upper limb	G5682	Other specified mononeuropathies of left upper limb

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
3548	Other mononeuritis of upper limb	G580	Intercostal neuropathy
3549	Mononeuritis of upper limb, unspecified	G5690	Unspecified mononeuropathy of unspecified upper limb
3549	Mononeuritis of upper limb, unspecified	G5691	Unspecified mononeuropathy of right upper limb
3549	Mononeuritis of upper limb, unspecified	G5692	Unspecified mononeuropathy of left upper limb
3550	Lesion of sciatic nerve	G5700	Lesion of sciatic nerve, unspecified lower limb
3550	Lesion of sciatic nerve	G5701	Lesion of sciatic nerve, right lower limb
3550	Lesion of sciatic nerve	G5702	Lesion of sciatic nerve, left lower limb
3551	Meralgia paresthetica	G5710	Meralgia paresthetica, unspecified lower limb
3551	Meralgia paresthetica	G5711	Meralgia paresthetica, right lower limb
3551	Meralgia paresthetica	G5712	Meralgia paresthetica, left lower limb
3552	Other lesion of femoral nerve	G5720	Lesion of femoral nerve, unspecified lower limb
3552	Other lesion of femoral nerve	G5721	Lesion of femoral nerve, right lower limb
3552	Other lesion of femoral nerve	G5722	Lesion of femoral nerve, left lower limb
3553	Lesion of lateral popliteal nerve	G5730	Lesion of lateral popliteal nerve, unspecified lower limb
3553	Lesion of lateral popliteal nerve	G5731	Lesion of lateral popliteal nerve, right lower limb
3553	Lesion of lateral popliteal nerve	G5732	Lesion of lateral popliteal nerve, left lower limb
3554	Lesion of medial popliteal nerve	G5740	Lesion of medial popliteal nerve, unspecified lower limb
3554	Lesion of medial popliteal nerve	G5741	Lesion of medial popliteal nerve, right lower limb
3554	Lesion of medial popliteal nerve	G5742	Lesion of medial popliteal nerve, left lower limb
3555	Tarsal tunnel syndrome	G5750	Tarsal tunnel syndrome, unspecified lower limb
3555	Tarsal tunnel syndrome	G5751	Tarsal tunnel syndrome, right lower limb

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
3555	Tarsal tunnel syndrome	G5752	Tarsal tunnel syndrome, left lower limb
3556	Lesion of plantar nerve	G5760	Lesion of plantar nerve, unspecified lower limb
3556	Lesion of plantar nerve	G5761	Lesion of plantar nerve, right lower limb
3556	Lesion of plantar nerve	G5762	Lesion of plantar nerve, left lower limb
35571	Causalgia of lower limb	G5770	Causalgia of unspecified lower limb
35571	Causalgia of lower limb	G5771	Causalgia of right lower limb
35571	Causalgia of lower limb	G5772	Causalgia of left lower limb
35579	Other mononeuritis of lower limb	G5780	Other specified mononeuropathies of unspecified lower limb
35579	Other mononeuritis of lower limb	G5781	Other specified mononeuropathies of right lower limb
35579	Other mononeuritis of lower limb	G5782	Other specified mononeuropathies of left lower limb
3558	Mononeuritis of lower limb, unspecified	G5790	Unspecified mononeuropathy of unspecified lower limb
3558	Mononeuritis of lower limb, unspecified	G5791	Unspecified mononeuropathy of right lower limb
3558	Mononeuritis of lower limb, unspecified	G5792	Unspecified mononeuropathy of left lower limb
3559	Mononeuritis of unspecified site	E0841	Diabetes mellitus due to underlying condition with diabetic mononeuropathy
3559	Mononeuritis of unspecified site	E0941	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy
3559	Mononeuritis of unspecified site	E1041	Type 1 diabetes mellitus with diabetic mononeuropathy
3559	Mononeuritis of unspecified site	E1141	Type 2 diabetes mellitus with diabetic mononeuropathy
3559	Mononeuritis of unspecified site	E1341	Other specified diabetes mellitus with diabetic mononeuropathy
3559	Mononeuritis of unspecified site	G588	Other specified mononeuropathies
3559	Mononeuritis of unspecified site	G589	Mononeuropathy, unspecified
3559	Mononeuritis of unspecified site	G59	Mononeuropathy in diseases classified



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			elsewhere
3569	Unspecified hereditary and idiopathic peripheral neuropathy	G609	Hereditary and idiopathic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E0840	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E0842	Diabetes mellitus due to underlying condition with diabetic polyneuropathy
3572	Polyneuropathy in diabetes	E0940	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E0942	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy
3572	Polyneuropathy in diabetes	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E1042	Type 1 diabetes mellitus with diabetic polyneuropathy
3572	Polyneuropathy in diabetes	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E1142	Type 2 diabetes mellitus with diabetic polyneuropathy
3572	Polyneuropathy in diabetes	E1340	Other specified diabetes mellitus with diabetic neuropathy, unspecified
3572	Polyneuropathy in diabetes	E1342	Other specified diabetes mellitus with diabetic polyneuropathy
3581	Myasthenic syndromes in diseases classified elsewhere	G733	Myasthenic syndromes in other diseases classified elsewhere
4580	Orthostatic hypotension	I951	Orthostatic hypotension
4581	Chronic hypotension	I950	Idiopathic hypotension
4581	Chronic hypotension	I9589	Other hypotension
45821	Hypotension of hemodialysis	I953	Hypotension of hemodialysis
45829	Other iatrogenic hypotension	I952	Hypotension due to drugs
45829	Other iatrogenic hypotension	I9581	Postprocedural hypotension
4588	Other specified hypotension	I9589	Other hypotension

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
4589	Hypotension, unspecified	I959	Hypotension, unspecified
5363	Gastroparesis	E0843	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy
5363	Gastroparesis	E0943	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy
5363	Gastroparesis	E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
5363	Gastroparesis	E1143	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
5363	Gastroparesis	E1343	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
5363	Gastroparesis	K3184	Gastroparesis
5645	Functional diarrhea	K591	Functional diarrhea
59654	Neurogenic bladder NOS	N310	Uninhibited neuropathic bladder, not elsewhere classified
59654	Neurogenic bladder NOS	N311	Reflex neuropathic bladder, not elsewhere classified
59654	Neurogenic bladder NOS	N319	Neuromuscular dysfunction of bladder, unspecified
7135	Arthropathy associated with neurological disorders	A5216	Charcot's arthropathy (tabetic)
7135	Arthropathy associated with neurological disorders	E08610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy
7135	Arthropathy associated with neurological disorders	E09610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy
7135	Arthropathy associated with neurological disorders	E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy
7135	Arthropathy associated with neurological disorders	E11610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy
7135	Arthropathy associated with neurological disorders	E13610	Other specified diabetes mellitus with diabetic neuropathic arthropathy
7135	Arthropathy associated with neurological disorders	M1460	Charcot's joint, unspecified site

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
7135	Arthropathy associated with neurological disorders	M14611	Charcot's joint, right shoulder
7135	Arthropathy associated with neurological disorders	M14612	Charcot's joint, left shoulder
7135	Arthropathy associated with neurological disorders	M14619	Charcot's joint, unspecified shoulder
7135	Arthropathy associated with neurological disorders	M14621	Charcot's joint, right elbow
7135	Arthropathy associated with neurological disorders	M14622	Charcot's joint, left elbow
7135	Arthropathy associated with neurological disorders	M14629	Charcot's joint, unspecified elbow
7135	Arthropathy associated with neurological disorders	M14631	Charcot's joint, right wrist
7135	Arthropathy associated with neurological disorders	M14632	Charcot's joint, left wrist
7135	Arthropathy associated with neurological disorders	M14639	Charcot's joint, unspecified wrist
7135	Arthropathy associated with neurological disorders	M14641	Charcot's joint, right hand
7135	Arthropathy associated with neurological disorders	M14642	Charcot's joint, left hand
7135	Arthropathy associated with neurological disorders	M14649	Charcot's joint, unspecified hand
7135	Arthropathy associated with neurological disorders	M14651	Charcot's joint, right hip
7135	Arthropathy associated with neurological disorders	M14652	Charcot's joint, left hip
7135	Arthropathy associated with neurological disorders	M14659	Charcot's joint, unspecified hip
7135	Arthropathy associated with neurological disorders	M14661	Charcot's joint, right knee
7135	Arthropathy associated with neurological disorders	M14662	Charcot's joint, left knee
7135	Arthropathy associated with neurological disorders	M14669	Charcot's joint, unspecified knee

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	disorders		
7135	Arthropathy associated with neurological disorders	M14671	Charcot's joint, right ankle and foot
7135	Arthropathy associated with neurological disorders	M14672	Charcot's joint, left ankle and foot
7135	Arthropathy associated with neurological disorders	M14679	Charcot's joint, unspecified ankle and foot
7135	Arthropathy associated with neurological disorders	M1468	Charcot's joint, vertebrae
7135	Arthropathy associated with neurological disorders	M1469	Charcot's joint, multiple sites
9510	Injury to oculomotor nerve	S0410XA	Injury of oculomotor nerve, unspecified side, initial encounter
9510	Injury to oculomotor nerve	S0411XA	Injury of oculomotor nerve, right side, initial encounter
9510	Injury to oculomotor nerve	S0412XA	Injury of oculomotor nerve, left side, initial encounter
9511	Injury to trochlear nerve	S0420XA	Injury of trochlear nerve, unspecified side, initial encounter
9511	Injury to trochlear nerve	S0421XA	Injury of trochlear nerve, right side, initial encounter
9511	Injury to trochlear nerve	S0422XA	Injury of trochlear nerve, left side, initial encounter
9513	Injury to abducens nerve	S0440XA	Injury of abducent nerve, unspecified side, initial encounter
9513	Injury to abducens nerve	S0441XA	Injury of abducent nerve, right side, initial encounter
9513	Injury to abducens nerve	S0442XA	Injury of abducent nerve, left side, initial encounter
ICD-9-CM Code	Cerebrovascular	ICD-10-CM Code	Cerebrovascular
431	Intracerebral hemorrhage	I610	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical
431	Intracerebral hemorrhage	I611	Nontraumatic intracerebral hemorrhage in hemisphere, cortical

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
431	Intracerebral hemorrhage	I612	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified
431	Intracerebral hemorrhage	I613	Nontraumatic intracerebral hemorrhage in brain stem
431	Intracerebral hemorrhage	I614	Nontraumatic intracerebral hemorrhage in cerebellum
431	Intracerebral hemorrhage	I615	Nontraumatic intracerebral hemorrhage, intraventricular
431	Intracerebral hemorrhage	I616	Nontraumatic intracerebral hemorrhage, multiple localized
431	Intracerebral hemorrhage	I618	Other nontraumatic intracerebral hemorrhage
431	Intracerebral hemorrhage	I619	Nontraumatic intracerebral hemorrhage, unspecified
43300	Occlusion and stenosis of basilar artery without mention of cerebral infarction	I651	Occlusion and stenosis of basilar artery
43301	Occlusion and stenosis of basilar artery with cerebral infarction	I6302	Cerebral infarction due to thrombosis of basilar artery
43301	Occlusion and stenosis of basilar artery with cerebral infarction	I6312	Cerebral infarction due to embolism of basilar artery
43301	Occlusion and stenosis of basilar artery with cerebral infarction	I6322	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries
43310	Occlusion and stenosis of carotid artery without mention of cerebral infarction	I6521	Occlusion and stenosis of right carotid artery
43310	Occlusion and stenosis of carotid artery without mention of cerebral infarction	I6522	Occlusion and stenosis of left carotid artery
43310	Occlusion and stenosis of carotid artery without mention of cerebral infarction	I6523	Occlusion and stenosis of bilateral carotid arteries
43310	Occlusion and stenosis of carotid artery without mention of cerebral infarction	I6529	Occlusion and stenosis of unspecified carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63031	Cerebral infarction due to thrombosis of right carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63032	Cerebral infarction due to thrombosis of left carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63039	Cerebral infarction due to thrombosis of unspecified carotid artery

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63131	Cerebral infarction due to embolism of right carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63132	Cerebral infarction due to embolism of left carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63139	Cerebral infarction due to embolism of unspecified carotid artery
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries
43311	Occlusion and stenosis of carotid artery with cerebral infarction	I63239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries
43320	Occlusion and stenosis of vertebral artery without mention of cerebral infarction	I6501	Occlusion and stenosis of right vertebral artery
43320	Occlusion and stenosis of vertebral artery without mention of cerebral infarction	I6502	Occlusion and stenosis of left vertebral artery
43320	Occlusion and stenosis of vertebral artery without mention of cerebral infarction	I6503	Occlusion and stenosis of bilateral vertebral arteries
43320	Occlusion and stenosis of vertebral artery without mention of cerebral infarction	I6509	Occlusion and stenosis of unspecified vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63011	Cerebral infarction due to thrombosis of right vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63012	Cerebral infarction due to thrombosis of left vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63019	Cerebral infarction due to thrombosis of unspecified vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63111	Cerebral infarction due to embolism of right vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63112	Cerebral infarction due to embolism of left vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63119	Cerebral infarction due to embolism of unspecified vertebral artery
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries
43321	Occlusion and stenosis of vertebral artery with cerebral infarction	I63219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries
43330	Occlusion and stenosis of multiple and bilateral precerebral arteries without mention of cerebral infarction	I658	Occlusion and stenosis of other precerebral arteries
43331	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
43380	Occlusion and stenosis of other specified precerebral artery without mention of cerebral infarction	I658	Occlusion and stenosis of other precerebral arteries
43381	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I6309	Cerebral infarction due to thrombosis of other precerebral artery
43381	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I6319	Cerebral infarction due to embolism of other precerebral artery
43381	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
43390	Occlusion and stenosis of unspecified precerebral artery without mention of cerebral infarction	I659	Occlusion and stenosis of unspecified precerebral artery
43391	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I6300	Cerebral infarction due to thrombosis of unspecified precerebral artery
43391	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I6310	Cerebral infarction due to embolism of unspecified precerebral artery
43391	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I6320	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries
43391	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I6329	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries
43400	Cerebral thrombosis without mention of cerebral infarction	I6601	Occlusion and stenosis of right middle cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6602	Occlusion and stenosis of left middle cerebral artery

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
43400	Cerebral thrombosis without mention of cerebral infarction	I6603	Occlusion and stenosis of bilateral middle cerebral arteries
43400	Cerebral thrombosis without mention of cerebral infarction	I6609	Occlusion and stenosis of unspecified middle cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6611	Occlusion and stenosis of right anterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6612	Occlusion and stenosis of left anterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6613	Occlusion and stenosis of bilateral anterior cerebral arteries
43400	Cerebral thrombosis without mention of cerebral infarction	I6619	Occlusion and stenosis of unspecified anterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6621	Occlusion and stenosis of right posterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6622	Occlusion and stenosis of left posterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I6623	Occlusion and stenosis of bilateral posterior cerebral arteries
43400	Cerebral thrombosis without mention of cerebral infarction	I6629	Occlusion and stenosis of unspecified posterior cerebral artery
43400	Cerebral thrombosis without mention of cerebral infarction	I663	Occlusion and stenosis of cerebellar arteries
43401	Cerebral thrombosis with cerebral infarction	I6330	Cerebral infarction due to thrombosis of unspecified cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63311	Cerebral infarction due to thrombosis of right middle cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63312	Cerebral infarction due to thrombosis of left middle cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63321	Cerebral infarction due to thrombosis of right anterior cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63322	Cerebral infarction due to thrombosis of left anterior cerebral artery
43401	Cerebral thrombosis with cerebral	I63329	Cerebral infarction due to thrombosis of



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	infarction		unspecified anterior cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63331	Cerebral infarction due to thrombosis of right posterior cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63332	Cerebral infarction due to thrombosis of left posterior cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery
43401	Cerebral thrombosis with cerebral infarction	I63341	Cerebral infarction due to thrombosis of right cerebellar artery
43401	Cerebral thrombosis with cerebral infarction	I63342	Cerebral infarction due to thrombosis of left cerebellar artery
43401	Cerebral thrombosis with cerebral infarction	I63349	Cerebral infarction due to thrombosis of unspecified cerebellar artery
43401	Cerebral thrombosis with cerebral infarction	I6339	Cerebral infarction due to thrombosis of other cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6601	Occlusion and stenosis of right middle cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6602	Occlusion and stenosis of left middle cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6603	Occlusion and stenosis of bilateral middle cerebral arteries
43410	Cerebral embolism without mention of cerebral infarction	I6609	Occlusion and stenosis of unspecified middle cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6611	Occlusion and stenosis of right anterior cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6612	Occlusion and stenosis of left anterior cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6613	Occlusion and stenosis of bilateral anterior cerebral arteries
43410	Cerebral embolism without mention of cerebral infarction	I6619	Occlusion and stenosis of unspecified anterior cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6621	Occlusion and stenosis of right posterior cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I6622	Occlusion and stenosis of left posterior cerebral artery

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
43410	Cerebral embolism without mention of cerebral infarction	I6623	Occlusion and stenosis of bilateral posterior cerebral arteries
43410	Cerebral embolism without mention of cerebral infarction	I6629	Occlusion and stenosis of unspecified posterior cerebral artery
43410	Cerebral embolism without mention of cerebral infarction	I663	Occlusion and stenosis of cerebellar arteries
43410	Cerebral embolism without mention of cerebral infarction	I669	Occlusion and stenosis of unspecified cerebral artery
43411	Cerebral embolism with cerebral infarction	I6340	Cerebral infarction due to embolism of unspecified cerebral artery
43411	Cerebral embolism with cerebral infarction	I63411	Cerebral infarction due to embolism of right middle cerebral artery
43411	Cerebral embolism with cerebral infarction	I63412	Cerebral infarction due to embolism of left middle cerebral artery
43411	Cerebral embolism with cerebral infarction	I63419	Cerebral infarction due to embolism of unspecified middle cerebral artery
43411	Cerebral embolism with cerebral infarction	I63421	Cerebral infarction due to embolism of right anterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63422	Cerebral infarction due to embolism of left anterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63429	Cerebral infarction due to embolism of unspecified anterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63431	Cerebral infarction due to embolism of right posterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63432	Cerebral infarction due to embolism of left posterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63439	Cerebral infarction due to embolism of unspecified posterior cerebral artery
43411	Cerebral embolism with cerebral infarction	I63441	Cerebral infarction due to embolism of right cerebellar artery
43411	Cerebral embolism with cerebral infarction	I63442	Cerebral infarction due to embolism of left cerebellar artery
43411	Cerebral embolism with cerebral infarction	I63449	Cerebral infarction due to embolism of unspecified cerebellar artery
43411	Cerebral embolism with cerebral	I6349	Cerebral infarction due to embolism of other

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	infarction		cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6601	Occlusion and stenosis of right middle cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6602	Occlusion and stenosis of left middle cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6603	Occlusion and stenosis of bilateral middle cerebral arteries
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6609	Occlusion and stenosis of unspecified middle cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6611	Occlusion and stenosis of right anterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6612	Occlusion and stenosis of left anterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6613	Occlusion and stenosis of bilateral anterior cerebral arteries
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6619	Occlusion and stenosis of unspecified anterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6621	Occlusion and stenosis of right posterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6622	Occlusion and stenosis of left posterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6623	Occlusion and stenosis of bilateral posterior cerebral arteries
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I6629	Occlusion and stenosis of unspecified posterior cerebral artery
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I663	Occlusion and stenosis of cerebellar arteries
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I668	Occlusion and stenosis of other cerebral arteries
43490	Cerebral artery occlusion, unspecified without mention of cerebral infarction	I669	Occlusion and stenosis of unspecified cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I6350	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery
43491	Cerebral artery occlusion, unspecified with	I63511	Cerebral infarction due to unspecified

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	cerebral infarction		occlusion or stenosis of right middle cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I63549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
43491	Cerebral artery occlusion, unspecified with cerebral infarction	I638	Other cerebral infarction
43491	Cerebral artery occlusion, unspecified with	I639	Cerebral infarction, unspecified

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	cerebral infarction		
4350	Basilar artery syndrome	G450	Vertebro-basilar artery syndrome
4351	Vertebral artery syndrome	G450	Vertebro-basilar artery syndrome
4352	Subclavian steal syndrome	G458	Other transient cerebral ischemic attacks and related syndromes
4353	Vertebrobasilar artery syndrome	G450	Vertebro-basilar artery syndrome
4358	Other specified transient cerebral ischemias	G451	Carotid artery syndrome (hemispheric)
4358	Other specified transient cerebral ischemias	G452	Multiple and bilateral precerebral artery syndromes
4358	Other specified transient cerebral ischemias	G458	Other transient cerebral ischemic attacks and related syndromes
4358	Other specified transient cerebral ischemias	G460	Middle cerebral artery syndrome
4358	Other specified transient cerebral ischemias	G461	Anterior cerebral artery syndrome
4358	Other specified transient cerebral ischemias	G462	Posterior cerebral artery syndrome
4359	Unspecified transient cerebral ischemia	G459	Transient cerebral ischemic attack, unspecified
4359	Unspecified transient cerebral ischemia	I67841	Reversible cerebrovascular vasoconstriction syndrome
4359	Unspecified transient cerebral ischemia	I67848	Other cerebrovascular vasospasm and vasoconstriction
436	Acute, but ill-defined, cerebrovascular disease	I6789	Other cerebrovascular disease
		I6781	Acute Cerebrovascular insufficiency
ICD-9-CM Code	Cardiovascular	ICD-10-CM Code	Cardiovascular
41000	Acute myocardial infarction of anterolateral wall, episode of care unspecified	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41001	Acute myocardial infarction of anterolateral wall, initial episode of care	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41001	Acute myocardial infarction of	I220	Subsequent ST elevation (STEMI) myocardial

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	anterolateral wall, initial episode of care		infarction of anterior wall
41002	Acute myocardial infarction of anterolateral wall, subsequent episode of care	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41010	Acute myocardial infarction of other anterior wall, episode of care unspecified	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41011	Acute myocardial infarction of other anterior wall, initial episode of care	I2101	ST elevation (STEMI) myocardial infarction involving left main coronary artery
41011	Acute myocardial infarction of other anterior wall, initial episode of care	I2102	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
41011	Acute myocardial infarction of other anterior wall, initial episode of care	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41011	Acute myocardial infarction of other anterior wall, initial episode of care	I220	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall
41012	Acute myocardial infarction of other anterior wall, subsequent episode of care	I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
41020	Acute myocardial infarction of inferolateral wall, episode of care unspecified	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41021	Acute myocardial infarction of inferolateral wall, initial episode of care	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41021	Acute myocardial infarction of inferolateral wall, initial episode of care	I221	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
41022	Acute myocardial infarction of inferolateral wall, subsequent episode of care	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41030	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	I2111	ST elevation (STEMI) myocardial infarction involving right coronary artery
41031	Acute myocardial infarction of inferoposterior wall, initial episode of care	I2111	ST elevation (STEMI) myocardial infarction involving right coronary artery
41031	Acute myocardial infarction of inferoposterior wall, initial episode of care	I221	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
41032	Acute myocardial infarction of inferoposterior wall, subsequent episode of care	I2111	ST elevation (STEMI) myocardial infarction involving right coronary artery

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
41040	Acute myocardial infarction of other inferior wall, episode of care unspecified	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41041	Acute myocardial infarction of other inferior wall, initial episode of care	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41041	Acute myocardial infarction of other inferior wall, initial episode of care	I221	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
41042	Acute myocardial infarction of other inferior wall, subsequent episode of care	I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
41050	Acute myocardial infarction of other lateral wall, episode of care unspecified	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41051	Acute myocardial infarction of other lateral wall, initial episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41051	Acute myocardial infarction of other lateral wall, initial episode of care	I228	Subsequent ST elevation (STEMI) myocardial infarction of other sites
41052	Acute myocardial infarction of other lateral wall, subsequent episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41060	True posterior wall infarction, episode of care unspecified	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41061	True posterior wall infarction, initial episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41061	True posterior wall infarction, initial episode of care	I228	Subsequent ST elevation (STEMI) myocardial infarction of other sites
41062	True posterior wall infarction, subsequent episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41070	Subendocardial infarction, episode of care unspecified	I214	Non-ST elevation (NSTEMI) myocardial infarction
41071	Subendocardial infarction, initial episode of care	I214	Non-ST elevation (NSTEMI) myocardial infarction
41071	Subendocardial infarction, initial episode of care	I222	Subsequent non-ST elevation (NSTEMI) myocardial infarction
41072	Subendocardial infarction, subsequent episode of care	I214	Non-ST elevation (NSTEMI) myocardial infarction
41080	Acute myocardial infarction of other specified sites, episode of care unspecified	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41081	Acute myocardial infarction of other	I2121	ST elevation (STEMI) myocardial infarction

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	specified sites, initial episode of care		involving left circumflex coronary artery
41081	Acute myocardial infarction of other specified sites, initial episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41081	Acute myocardial infarction of other specified sites, initial episode of care	I228	Subsequent ST elevation (STEMI) myocardial infarction of other sites
41082	Acute myocardial infarction of other specified sites, subsequent episode of care	I2129	ST elevation (STEMI) myocardial infarction involving other sites
41090	Acute myocardial infarction of unspecified site, episode of care unspecified	I213	ST elevation (STEMI) myocardial infarction of unspecified site
41091	Acute myocardial infarction of unspecified site, initial episode of care	I213	ST elevation (STEMI) myocardial infarction of unspecified site
41091	Acute myocardial infarction of unspecified site, initial episode of care	I229	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site
41092	Acute myocardial infarction of unspecified site, subsequent episode of care	I213	ST elevation (STEMI) myocardial infarction of unspecified site
4110	Postmyocardial infarction syndrome	I241	Dressler's syndrome
4111	Intermediate coronary syndrome	I200	Unstable angina
4111	Intermediate coronary syndrome	I25110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
4111	Intermediate coronary syndrome	I25700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
4111	Intermediate coronary syndrome	I25710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
4111	Intermediate coronary syndrome	I25720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
4111	Intermediate coronary syndrome	I25730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
4111	Intermediate coronary syndrome	I25750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
4111	Intermediate coronary syndrome	I25760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
4111	Intermediate coronary syndrome	I25790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
41181	Acute coronary occlusion without myocardial infarction	I240	Acute coronary thrombosis not resulting in myocardial infarction
41189	Other acute and subacute forms of ischemic heart disease, other	I248	Other forms of acute ischemic heart disease
41189	Other acute and subacute forms of ischemic heart disease, other	I249	Acute ischemic heart disease, unspecified
412	Old myocardial infarction	I252	Old myocardial infarction
4130	Angina decubitus	I208	Other forms of angina pectoris
4131	Prinzmetal angina	I201	Angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I208	Other forms of angina pectoris
4139	Other and unspecified angina pectoris	I209	Angina pectoris, unspecified
4139	Other and unspecified angina pectoris	I25111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			angina pectoris
4139	Other and unspecified angina pectoris	I25719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25769	Atherosclerosis of bypass graft of coronary

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			artery of transplanted heart with unspecified angina pectoris
4139	Other and unspecified angina pectoris	I25791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
4139	Other and unspecified angina pectoris	I25798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
4139	Other and unspecified angina pectoris	I25799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
41400	Coronary atherosclerosis of unspecified type of vessel, native or graft	I2510	Atherosclerotic heart disease of native coronary artery without angina pectoris
41401	Coronary atherosclerosis of native coronary artery	I2510	Atherosclerotic heart disease of native coronary artery without angina pectoris
41401	Coronary atherosclerosis of native coronary artery	I25110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
41401	Coronary atherosclerosis of native coronary artery	I25111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
41401	Coronary atherosclerosis of native coronary artery	I25118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
41401	Coronary atherosclerosis of native coronary artery	I25119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
41402	Coronary atherosclerosis of autologous vein bypass graft	I25710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
41402	Coronary atherosclerosis of autologous vein bypass graft	I25711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
41402	Coronary atherosclerosis of autologous vein bypass graft	I25718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
41402	Coronary atherosclerosis of autologous vein bypass graft	I25719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
41402	Coronary atherosclerosis of autologous vein bypass graft	I25810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
41403	Coronary atherosclerosis of nonautologous biological bypass graft	I25730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
41403	Coronary atherosclerosis of nonautologous biological bypass graft	I25731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
41403	Coronary atherosclerosis of nonautologous biological bypass graft	I25738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
41403	Coronary atherosclerosis of nonautologous biological bypass graft	I25739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
41403	Coronary atherosclerosis of nonautologous biological bypass graft	I25810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
41404	Coronary atherosclerosis of artery bypass graft	I25728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
41404	Coronary atherosclerosis of artery bypass graft	I25798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			pectoris
41404	Coronary atherosclerosis of artery bypass graft	I25810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
41405	Coronary atherosclerosis of unspecified bypass graft	I25708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
41405	Coronary atherosclerosis of unspecified bypass graft	I25798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
41405	Coronary atherosclerosis of unspecified bypass graft	I25810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
41406	Coronary atherosclerosis of native coronary artery of transplanted heart	I25750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
41406	Coronary atherosclerosis of native coronary artery of transplanted heart	I25751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
41406	Coronary atherosclerosis of native coronary artery of transplanted heart	I25758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
41406	Coronary atherosclerosis of native coronary artery of transplanted heart	I25759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			pectoris
41406	Coronary atherosclerosis of native coronary artery of transplanted heart	I25811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris
41407	Coronary atherosclerosis of bypass graft (artery) (vein) of transplanted heart	I25760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
41407	Coronary atherosclerosis of bypass graft (artery) (vein) of transplanted heart	I25761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
41407	Coronary atherosclerosis of bypass graft (artery) (vein) of transplanted heart	I25768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
41407	Coronary atherosclerosis of bypass graft (artery) (vein) of transplanted heart	I25769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris
41407	Coronary atherosclerosis of bypass graft (artery) (vein) of transplanted heart	I25812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris
41410	Aneurysm of heart (wall)	I253	Aneurysm of heart
41411	Aneurysm of coronary vessels	I2541	Coronary artery aneurysm
41412	Dissection of coronary artery	I2542	Coronary artery dissection
41419	Other aneurysm of heart	I253	Aneurysm of heart
4142	Chronic total occlusion of coronary artery	I2582	Chronic total occlusion of coronary artery
4143	Coronary atherosclerosis due to lipid rich plaque	I2583	Coronary atherosclerosis due to lipid rich plaque
4144	Coronary atherosclerosis due to calcified coronary lesion	I2584	Coronary atherosclerosis due to calcified coronary lesion
4148	Other specified forms of chronic ischemic heart disease	I255	Ischemic cardiomyopathy
4148	Other specified forms of chronic ischemic heart disease	I256	Silent myocardial ischemia
4148	Other specified forms of chronic ischemic heart disease	I2589	Other forms of chronic ischemic heart disease
4148	Other specified forms of chronic ischemic heart disease	I259	Chronic ischemic heart disease, unspecified

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
4149	Chronic ischemic heart disease, unspecified	I259	Chronic ischemic heart disease, unspecified
4271	Paroxysmal ventricular tachycardia	I470	Re-entry ventricular arrhythmia
4271	Paroxysmal ventricular tachycardia	I472	Ventricular tachycardia
42731	Atrial fibrillation	I480	Paroxysmal atrial fibrillation
42731	Atrial fibrillation	I482	Chronic atrial fibrillation
42731	Atrial fibrillation	I4891	Unspecified atrial fibrillation
42732	Atrial flutter	I483	Typical atrial flutter
42732	Atrial flutter	I484	Atypical atrial flutter
42732	Atrial flutter	I4892	Unspecified atrial flutter
42741	Ventricular fibrillation	I4901	Ventricular fibrillation
42742	Ventricular flutter	I4902	Ventricular flutter
4275	Cardiac arrest	I462	Cardiac arrest due to underlying cardiac condition
4275	Cardiac arrest	I468	Cardiac arrest due to other underlying condition
4275	Cardiac arrest	I469	Cardiac arrest, cause unspecified
4280	Congestive heart failure, unspecified	I5020	Unspecified systolic (congestive) heart failure
4280	Congestive heart failure, unspecified	I5030	Unspecified diastolic (congestive) heart failure
4280	Congestive heart failure, unspecified	I5040	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
4280	Congestive heart failure, unspecified	I509	Heart failure, unspecified
4281	Left heart failure	I501	Left ventricular failure
42820	Systolic heart failure, unspecified	I5020	Unspecified systolic (congestive) heart failure
42821	Acute systolic heart failure	I5021	Acute systolic (congestive) heart failure
42822	Chronic systolic heart failure	I5022	Chronic systolic (congestive) heart failure
42823	Acute on chronic systolic heart failure	I5023	Acute on chronic systolic (congestive) heart failure
42830	Diastolic heart failure, unspecified	I5030	Unspecified diastolic (congestive) heart failure
42831	Acute diastolic heart failure	I5031	Acute diastolic (congestive) heart failure

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
42832	Chronic diastolic heart failure	I5032	Chronic diastolic (congestive) heart failure
42833	Acute on chronic diastolic heart failure	I5033	Acute on chronic diastolic (congestive) heart failure
42840	Combined systolic and diastolic heart failure, unspecified	I5040	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
42841	Acute combined systolic and diastolic heart failure	I5041	Acute combined systolic (congestive) and diastolic (congestive) heart failure
42842	Chronic combined systolic and diastolic heart failure	I5042	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
42843	Acute on chronic combined systolic and diastolic heart failure	I5043	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
4289	Heart failure, unspecified	I509	Heart failure, unspecified
4292	Cardiovascular disease, unspecified	I2510	Atherosclerotic heart disease of native coronary artery without angina pectoris
4400	Atherosclerosis of aorta	I700	Atherosclerosis of aorta
4401	Atherosclerosis of renal artery	I701	Atherosclerosis of renal artery
4401	Atherosclerosis of renal artery	I701	Atherosclerosis of renal artery
44100	Dissection of aorta, unspecified site	I7100	Dissection of unspecified site of aorta
44101	Dissection of aorta, thoracic	I7101	Dissection of thoracic aorta
44102	Dissection of aorta, abdominal	I7102	Dissection of abdominal aorta
44103	Dissection of aorta, thoracoabdominal	I7103	Dissection of thoracoabdominal aorta
4411	Thoracic aneurysm, ruptured	I711	Thoracic aortic aneurysm, ruptured
4412	Thoracic aneurysm without mention of rupture	I712	Thoracic aortic aneurysm, without rupture
4413	Abdominal aneurysm, ruptured	I713	Abdominal aortic aneurysm, ruptured
4414	Abdominal aneurysm without mention of rupture	I714	Abdominal aortic aneurysm, without rupture
4415	Aortic aneurysm of unspecified site, ruptured	I718	Aortic aneurysm of unspecified site, ruptured
4416	Thoracoabdominal aneurysm, ruptured	I715	Thoracoabdominal aortic aneurysm, ruptured
4417	Thoracoabdominal aneurysm, without	I716	Thoracoabdominal aortic aneurysm, without



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	mention of rupture		rupture
4419	Aortic aneurysm of unspecified site without mention of rupture	I719	Aortic aneurysm of unspecified site, without rupture
4419	Aortic aneurysm of unspecified site without mention of rupture	I790	Aneurysm of aorta in diseases classified elsewhere
ICD-9-CM Code	Peripheral Vascular Disease	ICD-10-CM Code	Peripheral Vascular Disease
0400	Gas gangrene	A480	Gas gangrene
4404	Chronic total occlusion of artery of the extremities	I7092	Chronic total occlusion of artery of the extremities
4408	Atherosclerosis of other specified arteries	I708	Atherosclerosis of other arteries
4409	Generalized and unspecified atherosclerosis	I7090	Unspecified atherosclerosis
4409	Generalized and unspecified atherosclerosis	I7091	Generalized atherosclerosis
4423	Aneurysm of artery of lower extremity	I724	Aneurysm of artery of lower extremity
4439	Peripheral vascular disease, unspecified	I739	Peripheral vascular disease, unspecified
7854	Gangrene	E0852	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
7854	Gangrene	E0952	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
7854	Gangrene	E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
7854	Gangrene	E1152	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
7854	Gangrene	E1352	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene
7854	Gangrene	I70361	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, right leg
7854	Gangrene	I70362	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, left leg

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
7854	Gangrene	I70363	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, bilateral legs
7854	Gangrene	I70368	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, other extremity
7854	Gangrene	I70369	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, unspecified extremity
7854	Gangrene	I70461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
7854	Gangrene	I70462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
7854	Gangrene	I70463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
7854	Gangrene	I70468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
7854	Gangrene	I70469	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, unspecified extremity
7854	Gangrene	I70561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
7854	Gangrene	I70562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
7854	Gangrene	I70563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
7854	Gangrene	I70568	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity
7854	Gangrene	I70569	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			gangrene, unspecified extremity
7854	Gangrene	I70661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg
7854	Gangrene	I70662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg
7854	Gangrene	I70663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs
7854	Gangrene	I70668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity
7854	Gangrene	I70669	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, unspecified extremity
7854	Gangrene	I70761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg
7854	Gangrene	I70762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
7854	Gangrene	I70763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
7854	Gangrene	I70768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
7854	Gangrene	I70769	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, unspecified extremity
7854	Gangrene	I7301	Raynaud's syndrome with gangrene
7854	Gangrene	I96	Gangrene, not elsewhere classified
8921	Open wound of foot except toe(s) alone, complicated	S91321A	Laceration with foreign body, right foot, initial encounter
8921	Open wound of foot except toe(s) alone, complicated	S91322A	Laceration with foreign body, left foot, initial encounter
8921	Open wound of foot except toe(s) alone, complicated	S91329A	Laceration with foreign body, unspecified foot, initial encounter
8921	Open wound of foot except toe(s) alone, complicated	S91341A	Puncture wound with foreign body, right foot, initial encounter

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
8921	Open wound of foot except toe(s) alone, complicated	S91342A	Puncture wound with foreign body, left foot, initial encounter
8921	Open wound of foot except toe(s) alone, complicated	S91349A	Puncture wound with foreign body, unspecified foot, initial encounter
25071	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
25071	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
25071	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
25071	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	E1059	Type 1 diabetes mellitus with other circulatory complications
25072	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	E1151	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
25073	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
44020	Atherosclerosis of native arteries of the extremities, unspecified	I70201	Unspecified atherosclerosis of native arteries of extremities, right leg
44020	Atherosclerosis of native arteries of the extremities, unspecified	I70202	Unspecified atherosclerosis of native arteries of extremities, left leg
44020	Atherosclerosis of native arteries of the extremities, unspecified	I70203	Unspecified atherosclerosis of native arteries of extremities, bilateral legs
44020	Atherosclerosis of native arteries of the extremities, unspecified	I70208	Unspecified atherosclerosis of native arteries of extremities, other extremity
44020	Atherosclerosis of native arteries of the extremities, unspecified	I70209	Unspecified atherosclerosis of native arteries of extremities, unspecified extremity
44022	Atherosclerosis of native arteries of the extremities with rest pain	I70222	Atherosclerosis of native arteries of extremities with rest pain, left leg
44022	Atherosclerosis of native arteries of the extremities with rest pain	I70223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
44022	Atherosclerosis of native arteries of the extremities with rest pain	I70228	Atherosclerosis of native arteries of extremities with rest pain, other extremity
44022	Atherosclerosis of native arteries of the extremities with rest pain	I70229	Atherosclerosis of native arteries of extremities with rest pain, unspecified extremity
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70231	Atherosclerosis of native arteries of right leg with ulceration of thigh
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70232	Atherosclerosis of native arteries of right leg with ulceration of calf
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70233	Atherosclerosis of native arteries of right leg with ulceration of ankle
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70241	Atherosclerosis of native arteries of left leg with ulceration of thigh
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70242	Atherosclerosis of native arteries of left leg with ulceration of calf
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70243	Atherosclerosis of native arteries of left leg with ulceration of ankle
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
44023	Atherosclerosis of native arteries of the extremities with ulceration	I70249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
44023	Atherosclerosis of native arteries of the extremities with ulceration	I7025	Atherosclerosis of native arteries of other extremities with ulceration

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
44024	Atherosclerosis of native arteries of the extremities with gangrene	I70261	Atherosclerosis of native arteries of extremities with gangrene, right leg
44024	Atherosclerosis of native arteries of the extremities with gangrene	I70262	Atherosclerosis of native arteries of extremities with gangrene, left leg
44024	Atherosclerosis of native arteries of the extremities with gangrene	I70263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
44024	Atherosclerosis of native arteries of the extremities with gangrene	I70268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
44024	Atherosclerosis of native arteries of the extremities with gangrene	I70269	Atherosclerosis of native arteries of extremities with gangrene, unspecified extremity
44029	Other atherosclerosis of native arteries of the extremities	I70291	Other atherosclerosis of native arteries of extremities, right leg
44029	Other atherosclerosis of native arteries of the extremities	I70292	Other atherosclerosis of native arteries of extremities, left leg
44029	Other atherosclerosis of native arteries of the extremities	I70293	Other atherosclerosis of native arteries of extremities, bilateral legs
44029	Other atherosclerosis of native arteries of the extremities	I70298	Other atherosclerosis of native arteries of extremities, other extremity
44029	Other atherosclerosis of native arteries of the extremities	I70299	Other atherosclerosis of native arteries of extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I7065	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration
44030	Atherosclerosis of unspecified bypass graft of the extremities	I7035	Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration
44030	Atherosclerosis of unspecified bypass graft of the extremities	I7075	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70301	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70302	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70303	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70308	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, other

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70309	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70391	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70392	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70393	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70398	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70399	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70609	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70629	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70699	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70702	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70709	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70791	Other atherosclerosis of other type of bypass graft(s) of the extremities, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70799	Other atherosclerosis of other type of bypass graft(s) of the extremities, unspecified



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70311	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70312	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70313	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70318	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70319	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70321	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70322	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70323	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70328	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70329	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
44030	Atherosclerosis of unspecified bypass graft	I70613	Atherosclerosis of nonbiological bypass graft(s)

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	of the extremities		of the extremities with intermittent claudication, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70619	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70718	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70719	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, bilateral legs
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity
44030	Atherosclerosis of unspecified bypass graft of the extremities	I70729	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, unspecified extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I7045	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration
44031	Atherosclerosis of autologous vein bypass	I70401	Unspecified atherosclerosis of autologous vein

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	graft of the extremities		bypass graft(s) of the extremities, right leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70402	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70403	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70408	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70409	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70498	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70499	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70419	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, unspecified extremity

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
44031	Atherosclerosis of autologous vein bypass graft of the extremities	I70429	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, unspecified extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I7055	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70529	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, unspecified extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70501	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70503	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70508	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70509	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities,

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			right leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70599	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70511	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70512	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70519	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
44032	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity
44381	Peripheral angiopathy in diseases classified elsewhere	E0851	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E0852	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E0951	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E0952	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1151	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1152	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1351	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	E1352	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene
44381	Peripheral angiopathy in diseases classified elsewhere	I798	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere
44422	Arterial embolism and thrombosis of lower extremity	I743	Embolism and thrombosis of arteries of the lower extremities
44422	Arterial embolism and thrombosis of lower extremity	I744	Embolism and thrombosis of arteries of extremities, unspecified
70710	Ulcer of lower limb, unspecified	L97901	Non-pressure chronic ulcer of unspecified part of unspecified lower leg limited to breakdown of skin

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70710	Ulcer of lower limb, unspecified	L97902	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with fat layer exposed
70710	Ulcer of lower limb, unspecified	L97903	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of muscle
70710	Ulcer of lower limb, unspecified	L97904	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of bone
70710	Ulcer of lower limb, unspecified	L97909	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with unspecified severity
70710	Ulcer of lower limb, unspecified	L97911	Non-pressure chronic ulcer of unspecified part of right lower leg limited to breakdown of skin
70710	Ulcer of lower limb, unspecified	L97912	Non-pressure chronic ulcer of unspecified part of right lower leg with fat layer exposed
70710	Ulcer of lower limb, unspecified	L97913	Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of muscle
70710	Ulcer of lower limb, unspecified	L97914	Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of bone
70710	Ulcer of lower limb, unspecified	L97919	Non-pressure chronic ulcer of unspecified part of right lower leg with unspecified severity
70710	Ulcer of lower limb, unspecified	L97921	Non-pressure chronic ulcer of unspecified part of left lower leg limited to breakdown of skin
70710	Ulcer of lower limb, unspecified	L97922	Non-pressure chronic ulcer of unspecified part of left lower leg with fat layer exposed
70710	Ulcer of lower limb, unspecified	L97923	Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of muscle
70710	Ulcer of lower limb, unspecified	L97924	Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of bone
70710	Ulcer of lower limb, unspecified	L97929	Non-pressure chronic ulcer of unspecified part of left lower leg with unspecified severity
70711	Ulcer of thigh	I70231	Atherosclerosis of native arteries of right leg with ulceration of thigh
70711	Ulcer of thigh	I70241	Atherosclerosis of native arteries of left leg with ulceration of thigh
70711	Ulcer of thigh	I70331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70711	Ulcer of thigh	I70341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
70711	Ulcer of thigh	I70431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
70711	Ulcer of thigh	I70441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh
70711	Ulcer of thigh	I70531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh
70711	Ulcer of thigh	I70541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh
70711	Ulcer of thigh	I70631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
70711	Ulcer of thigh	I70641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
70711	Ulcer of thigh	I70731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
70711	Ulcer of thigh	I70741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
70711	Ulcer of thigh	L97101	Non-pressure chronic ulcer of unspecified thigh limited to breakdown of skin
70711	Ulcer of thigh	L97102	Non-pressure chronic ulcer of unspecified thigh with fat layer exposed
70711	Ulcer of thigh	L97103	Non-pressure chronic ulcer of unspecified thigh with necrosis of muscle
70711	Ulcer of thigh	L97104	Non-pressure chronic ulcer of unspecified thigh with necrosis of bone
70711	Ulcer of thigh	L97109	Non-pressure chronic ulcer of unspecified thigh with unspecified severity
70711	Ulcer of thigh	L97111	Non-pressure chronic ulcer of right thigh limited to breakdown of skin
70711	Ulcer of thigh	L97112	Non-pressure chronic ulcer of right thigh with fat layer exposed
70711	Ulcer of thigh	L97113	Non-pressure chronic ulcer of right thigh with necrosis of muscle



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70711	Ulcer of thigh	L97114	Non-pressure chronic ulcer of right thigh with necrosis of bone
70711	Ulcer of thigh	L97119	Non-pressure chronic ulcer of right thigh with unspecified severity
70711	Ulcer of thigh	L97121	Non-pressure chronic ulcer of left thigh limited to breakdown of skin
70711	Ulcer of thigh	L97122	Non-pressure chronic ulcer of left thigh with fat layer exposed
70711	Ulcer of thigh	L97123	Non-pressure chronic ulcer of left thigh with necrosis of muscle
70711	Ulcer of thigh	L97124	Non-pressure chronic ulcer of left thigh with necrosis of bone
70711	Ulcer of thigh	L97129	Non-pressure chronic ulcer of left thigh with unspecified severity
70712	Ulcer of calf	I70232	Atherosclerosis of native arteries of right leg with ulceration of calf
70712	Ulcer of calf	I70242	Atherosclerosis of native arteries of left leg with ulceration of calf
70712	Ulcer of calf	I70332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf
70712	Ulcer of calf	I70342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf
70712	Ulcer of calf	I70432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
70712	Ulcer of calf	I70442	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf
70712	Ulcer of calf	I70532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf
70712	Ulcer of calf	I70542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf
70712	Ulcer of calf	I70632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
70712	Ulcer of calf	I70642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70712	Ulcer of calf	I70732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
70712	Ulcer of calf	I70742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf
70712	Ulcer of calf	L97201	Non-pressure chronic ulcer of unspecified calf limited to breakdown of skin
70712	Ulcer of calf	L97202	Non-pressure chronic ulcer of unspecified calf with fat layer exposed
70712	Ulcer of calf	L97203	Non-pressure chronic ulcer of unspecified calf with necrosis of muscle
70712	Ulcer of calf	L97204	Non-pressure chronic ulcer of unspecified calf with necrosis of bone
70712	Ulcer of calf	L97209	Non-pressure chronic ulcer of unspecified calf with unspecified severity
70712	Ulcer of calf	L97211	Non-pressure chronic ulcer of right calf limited to breakdown of skin
70712	Ulcer of calf	L97212	Non-pressure chronic ulcer of right calf with fat layer exposed
70712	Ulcer of calf	L97213	Non-pressure chronic ulcer of right calf with necrosis of muscle
70712	Ulcer of calf	L97214	Non-pressure chronic ulcer of right calf with necrosis of bone
70712	Ulcer of calf	L97219	Non-pressure chronic ulcer of right calf with unspecified severity
70712	Ulcer of calf	L97221	Non-pressure chronic ulcer of left calf limited to breakdown of skin
70712	Ulcer of calf	L97222	Non-pressure chronic ulcer of left calf with fat layer exposed
70712	Ulcer of calf	L97223	Non-pressure chronic ulcer of left calf with necrosis of muscle
70712	Ulcer of calf	L97224	Non-pressure chronic ulcer of left calf with necrosis of bone
70712	Ulcer of calf	L97229	Non-pressure chronic ulcer of left calf with unspecified severity
70713	Ulcer of ankle	I70233	Atherosclerosis of native arteries of right leg

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			with ulceration of ankle
70713	Ulcer of ankle	I70243	Atherosclerosis of native arteries of left leg with ulceration of ankle
70713	Ulcer of ankle	I70333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle
70713	Ulcer of ankle	I70343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle
70713	Ulcer of ankle	I70433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
70713	Ulcer of ankle	I70443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
70713	Ulcer of ankle	I70533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle
70713	Ulcer of ankle	I70543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle
70713	Ulcer of ankle	I70633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
70713	Ulcer of ankle	I70643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
70713	Ulcer of ankle	I70733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
70713	Ulcer of ankle	I70743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
70713	Ulcer of ankle	L97301	Non-pressure chronic ulcer of unspecified ankle limited to breakdown of skin
70713	Ulcer of ankle	L97302	Non-pressure chronic ulcer of unspecified ankle with fat layer exposed
70713	Ulcer of ankle	L97303	Non-pressure chronic ulcer of unspecified ankle with necrosis of muscle
70713	Ulcer of ankle	L97304	Non-pressure chronic ulcer of unspecified ankle with necrosis of bone
70713	Ulcer of ankle	L97309	Non-pressure chronic ulcer of unspecified ankle with unspecified severity

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70713	Ulcer of ankle	L97311	Non-pressure chronic ulcer of right ankle limited to breakdown of skin
70713	Ulcer of ankle	L97312	Non-pressure chronic ulcer of right ankle with fat layer exposed
70713	Ulcer of ankle	L97313	Non-pressure chronic ulcer of right ankle with necrosis of muscle
70713	Ulcer of ankle	L97314	Non-pressure chronic ulcer of right ankle with necrosis of bone
70713	Ulcer of ankle	L97319	Non-pressure chronic ulcer of right ankle with unspecified severity
70713	Ulcer of ankle	L97321	Non-pressure chronic ulcer of left ankle limited to breakdown of skin
70713	Ulcer of ankle	L97322	Non-pressure chronic ulcer of left ankle with fat layer exposed
70713	Ulcer of ankle	L97323	Non-pressure chronic ulcer of left ankle with necrosis of muscle
70713	Ulcer of ankle	L97324	Non-pressure chronic ulcer of left ankle with necrosis of bone
70713	Ulcer of ankle	L97329	Non-pressure chronic ulcer of left ankle with unspecified severity
70714	Ulcer of heel and midfoot	I70234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70344	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70714	Ulcer of heel and midfoot	I70534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	I70744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
70714	Ulcer of heel and midfoot	L97401	Non-pressure chronic ulcer of unspecified heel and midfoot limited to breakdown of skin
70714	Ulcer of heel and midfoot	L97402	Non-pressure chronic ulcer of unspecified heel and midfoot with fat layer exposed
70714	Ulcer of heel and midfoot	L97403	Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of muscle
70714	Ulcer of heel and midfoot	L97404	Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of bone
70714	Ulcer of heel and midfoot	L97409	Non-pressure chronic ulcer of unspecified heel and midfoot with unspecified severity
70714	Ulcer of heel and midfoot	L97411	Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin
70714	Ulcer of heel and midfoot	L97412	Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed
70714	Ulcer of heel and midfoot	L97413	Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle
70714	Ulcer of heel and midfoot	L97414	Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70714	Ulcer of heel and midfoot	L97419	Non-pressure chronic ulcer of right heel and midfoot with unspecified severity
70714	Ulcer of heel and midfoot	L97421	Non-pressure chronic ulcer of left heel and midfoot limited to breakdown of skin
70714	Ulcer of heel and midfoot	L97422	Non-pressure chronic ulcer of left heel and midfoot with fat layer exposed
70714	Ulcer of heel and midfoot	L97423	Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle
70714	Ulcer of heel and midfoot	L97424	Non-pressure chronic ulcer of left heel and midfoot with necrosis of bone
70714	Ulcer of heel and midfoot	L97429	Non-pressure chronic ulcer of left heel and midfoot with unspecified severity
70715	Ulcer of other part of foot	I70235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70345	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70715	Ulcer of other part of foot	I70645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
70715	Ulcer of other part of foot	I70745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
70715	Ulcer of other part of foot	L97501	Non-pressure chronic ulcer of other part of unspecified foot limited to breakdown of skin
70715	Ulcer of other part of foot	L97502	Non-pressure chronic ulcer of other part of unspecified foot with fat layer exposed
70715	Ulcer of other part of foot	L97503	Non-pressure chronic ulcer of other part of unspecified foot with necrosis of muscle
70715	Ulcer of other part of foot	L97504	Non-pressure chronic ulcer of other part of unspecified foot with necrosis of bone
70715	Ulcer of other part of foot	L97509	Non-pressure chronic ulcer of other part of unspecified foot with unspecified severity
70715	Ulcer of other part of foot	L97511	Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin
70715	Ulcer of other part of foot	L97512	Non-pressure chronic ulcer of other part of right foot with fat layer exposed
70715	Ulcer of other part of foot	L97513	Non-pressure chronic ulcer of other part of right foot with necrosis of muscle
70715	Ulcer of other part of foot	L97514	Non-pressure chronic ulcer of other part of right foot with necrosis of bone
70715	Ulcer of other part of foot	L97519	Non-pressure chronic ulcer of other part of right foot with unspecified severity
70715	Ulcer of other part of foot	L97521	Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin
70715	Ulcer of other part of foot	L97522	Non-pressure chronic ulcer of other part of left foot with fat layer exposed
70715	Ulcer of other part of foot	L97523	Non-pressure chronic ulcer of other part of left foot with necrosis of muscle
70715	Ulcer of other part of foot	L97524	Non-pressure chronic ulcer of other part of left

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
			foot with necrosis of bone
70715	Ulcer of other part of foot	L97529	Non-pressure chronic ulcer of other part of left foot with unspecified severity
70719	Ulcer of other part of lower limb	I70238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg
70719	Ulcer of other part of lower limb	I70239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
70719	Ulcer of other part of lower limb	I70249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70348	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg



ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70719	Ulcer of other part of lower limb	I70539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	I70748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
70719	Ulcer of other part of lower limb	I70749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site
70719	Ulcer of other part of lower limb	L97801	Non-pressure chronic ulcer of other part of unspecified lower leg limited to breakdown of skin
70719	Ulcer of other part of lower limb	L97802	Non-pressure chronic ulcer of other part of unspecified lower leg with fat layer exposed

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
70719	Ulcer of other part of lower limb	L97803	Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of muscle
70719	Ulcer of other part of lower limb	L97804	Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of bone
70719	Ulcer of other part of lower limb	L97809	Non-pressure chronic ulcer of other part of unspecified lower leg with unspecified severity
70719	Ulcer of other part of lower limb	L97811	Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin
70719	Ulcer of other part of lower limb	L97812	Non-pressure chronic ulcer of other part of right lower leg with fat layer exposed
70719	Ulcer of other part of lower limb	L97813	Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle
70719	Ulcer of other part of lower limb	L97814	Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone
70719	Ulcer of other part of lower limb	L97819	Non-pressure chronic ulcer of other part of right lower leg with unspecified severity
70719	Ulcer of other part of lower limb	L97821	Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin
70719	Ulcer of other part of lower limb	L97822	Non-pressure chronic ulcer of other part of left lower leg with fat layer exposed
70719	Ulcer of other part of lower limb	L97823	Non-pressure chronic ulcer of other part of left lower leg with necrosis of muscle
70719	Ulcer of other part of lower limb	L97824	Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone
70719	Ulcer of other part of lower limb	L97829	Non-pressure chronic ulcer of other part of left lower leg with unspecified severity
ICD-9-CM Code	Metabolic	ICD-10-CM Code	Metabolic
25011	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	E1010	Type 1 diabetes mellitus with ketoacidosis without coma
25012	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	E1169	Type 2 diabetes mellitus with other specified complication
25012	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	E1310	Other specified diabetes mellitus with ketoacidosis without coma
25013	Diabetes with ketoacidosis, type I [juvenile	E1010	Type 1 diabetes mellitus with ketoacidosis

ICD-9-CM Code	ICD-9-CM Descriptor	ICD-10-CM Code	ICD-10-CM Descriptor
	type], uncontrolled		without coma
25021	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication
25022	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	E1100	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
25023	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	E1069	Type 1 diabetes mellitus with other specified complication
25031	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	E1011	Type 1 diabetes mellitus with ketoacidosis with coma
25031	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	E10641	Type 1 diabetes mellitus with hypoglycemia with coma
25032	Diabetes with other coma, type II or unspecified type, uncontrolled	E1101	Type 2 diabetes mellitus with hyperosmolarity with coma
25033	Diabetes with other coma, type I [juvenile type], uncontrolled	E1011	Type 1 diabetes mellitus with ketoacidosis with coma

**Table PA1: Final Crosswalk for the Procedure Categories That Are Always Planned in the Planned Admission Algorithm  
Version 3.0—MCC Population**

Procedure CCS (ICD-9)	Description	Procedure CCS (ICD-10)	Description
64	Bone marrow transplant	64	Bone marrow transplant
105	Kidney transplant	105	Kidney transplant
176	Other organ transplantation	176	Other organ transplantation (other than bone marrow corneal or kidney)

**Table PA2: Final Crosswalk for the Diagnosis Categories That Are Always Planned in the Planned Admission Algorithm  
Version 3.0—MCC Population**

Diagnosis CCS (ICD-9)	Description	Diagnosis CCS (ICD-10)	Description
45	Maintenance Chemotherapy	45	Maintenance Chemotherapy
254	Rehabilitation	254	Rehabilitation

**Table PA3: Final Crosswalk for the Potentially Planned Procedure Categories**

The ICD-9-CM specification of the planned admission algorithm version 3.0—MCC Population includes procedure CCS 169 (Debridement of wound; infection or burn). The ICD-10 version no longer includes procedure CCS 169. The codes in that category were moved to the following procedure CCS categories: CCS 170 (Excision of skin), CCS 174 (Other non-OR therapeutic procedures on skin and breast), CCS 175 (Other OR therapeutic procedures on skin and breast), and CCS 231 (Other therapeutic procedures).

Procedure CCS 170 is in version 3.0—MCC Population of the algorithm; however, upon reviewing the codes in that category, it appears that they are for skin excision procedures that would not require an inpatient hospitalization. While these would not show up as admissions in the measure, we have removed procedure CCS 170 in the ICD-10 version of the algorithm to improve the face validity of the algorithm.

We reviewed the codes in the ICD-10 version of procedure CCS 174, CCS 175, and CCS 231 and determined that it would be appropriate to add CCS 175 to the ICD-10 version of the planned admission algorithm. However, we did not feel that procedure CCS 174 or CCS 231 were appropriate additions to the planned admission algorithm because they contained too many minor procedures that do not require admission to the hospital. The few major surgical procedures in both categories rarely occur in isolation so we felt that it is likely that planned admissions that include those procedures would already be captured by accompanying procedures in other CCS categories in the planned admission algorithm. The one exception is gender reconstruction surgery, which we may consider in future iterations of the planned admission algorithm if we determine that there are enough admissions in the Medicare population to split these codes out from procedure CCS 231.

**Table PA3: Final Crosswalk for the Potentially Planned Procedure Categories**

ICD-9-CM Procedure CCS	Description	ICD-10 Procedure CCS	Description
3	Laminectomy; excision intervertebral disc	3	Excision, destruction or resection of intervertebral disc
5	Insertion of catheter or spinal stimulator and injection into spinal	5	Insertion of catheter or spinal stimulator and injection into spinal
9	Other OR therapeutic nervous system procedures	9	Other OR therapeutic nervous system procedures
10	Thyroidectomy; partial or complete	10	Thyroidectomy; partial or complete
12	Other therapeutic endocrine procedures	12	Therapeutic endocrine procedures
33	Other OR therapeutic procedures on nose; mouth and pharynx	33	Other OR therapeutic procedures of mouth and throat
36	Lobectomy or pneumonectomy	36	Lobectomy or pneumonectomy
38	Other diagnostic procedures on lung and bronchus	38	Other diagnostic procedures on lung and bronchus
40	Other diagnostic procedures of respiratory tract and mediastinum	40	Other diagnostic procedures of respiratory tract and mediastinum
43	Heart valve procedures	43	Heart valve procedures
44	Coronary artery bypass graft (CABG)	44	Coronary artery bypass graft (CABG)
45	Percutaneous transluminal coronary angioplasty (PTCA)	45	Percutaneous transluminal coronary angioplasty (PTCA) with or without stent
47	Diagnostic cardiac catheterization; coronary arteriography	47	Diagnostic cardiac catheterization; coronary arteriography
48	Insertion; revision; replacement; removal of cardiac pacemaker or cardioverter/defibrillator	48	Insertion; revision; replacement; removal of cardiac pacemaker or cardioverter/defibrillator
49	Other OR heart procedures	49	Other OR heart procedures
51	Endarterectomy; vessel of head and neck	51	Endarterectomy; vessel of head and neck
52	Aortic resection; replacement or anastomosis	52	Aortic resection; replacement or anastomosis
53	Varicose vein stripping; lower limb	53	Varicose vein stripping; lower limb
55	Peripheral vascular bypass	55	Peripheral vascular bypass
56	Other vascular bypass and shunt; not heart	56	Other vascular bypass and shunt; not heart
59	Other OR procedures on vessels of head and neck	59	Other OR procedures on vessels of head and neck
62	Other diagnostic cardiovascular procedures	62	Other diagnostic cardiovascular procedures
66	Procedures on spleen	66	Procedures on spleen
67	Other therapeutic procedures; hemic and lymphatic system	67	Other therapeutic procedures; hemic and lymphatic system
74	Gastrectomy; partial and total	74	Gastrectomy; partial and total
78	Colorectal resection	78	Colorectal resection
79	Local excision of large intestine lesion (not endoscopic)	79	Excision of large intestine lesion (not endoscopic)
84	Cholecystectomy and common duct exploration	84	Cholecystectomy and common duct exploration
85	Inguinal and femoral hernia repair	85	Inguinal and femoral hernia repair
86	Other hernia repair	86	Other hernia repair

(continued)

ICD-9-CM Procedure CCS	Description	ICD-10 Procedure CCS	Description
99	Other OR gastrointestinal therapeutic procedures	99	Other OR gastrointestinal therapeutic procedures
104	Nephrectomy; partial or complete	104	Nephrectomy; partial or complete
106	Genitourinary incontinence procedures	106	Genitourinary incontinence procedures
107	Extracorporeal lithotripsy; urinary	107	Extracorporeal lithotripsy; urinary
109	Procedures on the urethra	109	Procedures on the urethra
112	Other OR therapeutic procedures of urinary tract	112	Other OR therapeutic procedures of urinary tract
113	Transurethral resection of prostate (TURP)	113	Transurethral resection of prostate (TURP)
114	Open prostatectomy	114	Open prostatectomy
119	Oophorectomy; unilateral and bilateral	119	Oophorectomy; unilateral and bilateral
120	Other operations on ovary	120	Other operations on ovary
124	Hysterectomy; abdominal and vaginal	124	Hysterectomy; abdominal and vaginal
129	Repair of cystocele and rectocele; obliteration of vaginal vault	129	Repair of cystocele and rectocele; obliteration of vaginal vault
132	Other OR therapeutic procedures; female organs	132	Other OR therapeutic procedures; female organs
142	Partial excision bone	142	Partial excision bone
152	Arthroplasty knee	152	Arthroplasty knee
153	Hip replacement; total and partial	153	Hip replacement; total and partial
154	Arthroplasty other than hip or knee	154	Arthroplasty other than hip or knee
157	Amputation of lower extremity	157	Amputation of lower extremity
158	Spinal fusion	158	Spinal fusion
159	Other diagnostic procedures on musculoskeletal system	159	Other diagnostic procedures on musculoskeletal system
166	Lumpectomy; quadrantectomy of breast	166	Lumpectomy; quadrantectomy of breast
167	Mastectomy	167	Mastectomy
169	Debridement of wound; infection or burn	—	Codes were split among proc CCS 170, 174, 175, and 231; Proc CCS 170 is already in the algorithm but should be removed due to the new codes; Proc CCS 175 has been added in the ICD-10 version; Proc CCS 174 and 231 were not deemed appropriate for this algorithm
170	Excision of skin lesion	—	Excision of skin - This Proc CCS should be removed in the ICD-10 version of the algorithm
172	Skin graft	172	Skin graft
—	—	175	Other OR therapeutic procedures on skin subcutaneous tissue fascia and breast

(continued)

ICD-9-CM Codes	Description	ICD-10 Codes	Description
30.1	Hemilaryngectomy	0CBS0ZZ	Excision of Larynx, Open Approach
		0CBS3ZZ	Excision of Larynx, Percutaneous Approach
		0CBS4ZZ	Excision of Larynx, Percutaneous Endoscopic Approach
		0CBS7ZZ	Excision of Larynx, Via Natural or Artificial Opening
		0CBS8ZZ	Excision of Larynx, Via Natural or Artificial Opening Endoscopic
30.29	Other partial laryngectomy	0CBS0ZZ	Excision of Larynx, Open Approach
		0CBS3ZZ	Excision of Larynx, Percutaneous Approach
		0CBS4ZZ	Excision of Larynx, Percutaneous Endoscopic Approach
		0CBS7ZZ	Excision of Larynx, Via Natural or Artificial Opening
		0CBS8ZZ	Excision of Larynx, Via Natural or Artificial Opening Endoscopic
30.3	Complete laryngectomy	0B110F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Open Approach
		0B110Z4	Bypass Trachea to Cutaneous, Open Approach
		0B113F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Percutaneous Approach
		0B113Z4	Bypass Trachea to Cutaneous, Percutaneous Approach
		0B114F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Percutaneous Endoscopic Approach
		0B114Z4	Bypass Trachea to Cutaneous, Percutaneous Endoscopic Approach
		0CTS0ZZ	Resection of Larynx, Open Approach
		0CTS4ZZ	Resection of Larynx, Percutaneous Endoscopic Approach
		0CTS7ZZ	Resection of Larynx, Via Natural or Artificial Opening
		0CTS8ZZ	Resection of Larynx, Via Natural or Artificial Opening Endoscopic
30.4	Radical laryngectomy	0B110F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Open Approach
		0B110Z4	Bypass Trachea to Cutaneous, Open Approach
		0B113F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Percutaneous Approach
		0B113Z4	Bypass Trachea to Cutaneous, Percutaneous Approach
		0B114F4	Bypass Trachea to Cutaneous with Tracheostomy Device, Percutaneous Endoscopic Approach
		0B114Z4	Bypass Trachea to Cutaneous, Percutaneous Endoscopic Approach
		0CTS0ZZ	Resection of Larynx, Open Approach
		0CTS4ZZ	Resection of Larynx, Percutaneous Endoscopic Approach
		0CTS7ZZ	Resection of Larynx, Via Natural or Artificial Opening
		0CTS8ZZ	Resection of Larynx, Via Natural or Artificial Opening Endoscopic
		0GTG0ZZ	Resection of Left Thyroid Gland Lobe, Open Approach
		0GTG4ZZ	Resection of Left Thyroid Gland Lobe, Percutaneous Endoscopic Approach
		0GTH0ZZ	Resection of Right Thyroid Gland Lobe, Open Approach
		0GTH4ZZ	Resection of Right Thyroid Gland Lobe, Percutaneous Endoscopic Approach
		0GTK0ZZ	Resection of Thyroid Gland, Open Approach
		0GTK4ZZ	Resection of Thyroid Gland, Percutaneous Endoscopic Approach
		0WB60ZZ	Excision of Neck, Open Approach
		0WB63ZZ	Excision of Neck, Percutaneous Approach
		0WB64ZZ	Excision of Neck, Percutaneous Endoscopic Approach
		0WB6XZZ	Excision of Neck, External Approach

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ICD-9-CM Codes	Description	ICD-10 Codes	Description
31.74	Revision of tracheostomy	0BW10FZ	Revision of Tracheostomy Device in Trachea, Open Approach
		0BW13FZ	Revision of Tracheostomy Device in Trachea, Percutaneous Approach
		0BW14FZ	Revision of Tracheostomy Device in Trachea, Percutaneous Endoscopic Approach
		0WB6XZ2	Excision of Neck, Stoma, External Approach
		0WQ6XZ2	Repair Neck, Stoma, External Approach
34.6	Scarification of pleura	0B5N0ZZ	Destruction of Right Pleura, Open Approach
		0B5N3ZZ	Destruction of Right Pleura, Percutaneous Approach
		0B5N4ZZ	Destruction of Right Pleura, Percutaneous Endoscopic Approach
		0B5P0ZZ	Destruction of Left Pleura, Open Approach
		0B5P3ZZ	Destruction of Left Pleura, Percutaneous Approach
		0B5P4ZZ	Destruction of Left Pleura, Percutaneous Endoscopic Approach
38.18	Endarterectomy, lower limb arteries	04CK0ZZ	Extirpation of Matter from Right Femoral Artery, Open Approach
		04CK3ZZ	Extirpation of Matter from Right Femoral Artery, Percutaneous Approach
		04CK4ZZ	Extirpation of Matter from Right Femoral Artery, Percutaneous Endoscopic Approach
		04CL0ZZ	Extirpation of Matter from Left Femoral Artery, Open Approach
		04CL3ZZ	Extirpation of Matter from Left Femoral Artery, Percutaneous Approach
		04CL4ZZ	Extirpation of Matter from Left Femoral Artery, Percutaneous Endoscopic Approach
		04CM0ZZ	Extirpation of Matter from Right Popliteal Artery, Open Approach
		04CM3ZZ	Extirpation of Matter from Right Popliteal Artery, Percutaneous Approach
		04CM4ZZ	Extirpation of Matter from Right Popliteal Artery, Percutaneous Endoscopic Approach
		04CN0ZZ	Extirpation of Matter from Left Popliteal Artery, Open Approach
		04CN3ZZ	Extirpation of Matter from Left Popliteal Artery, Percutaneous Approach
		04CN4ZZ	Extirpation of Matter from Left Popliteal Artery, Percutaneous Endoscopic Approach
		04CP0ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Open Approach
		04CP3ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Percutaneous Approach
		04CP4ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Percutaneous Endoscopic Approach
		04CQ0ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Open Approach
		04CQ3ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Percutaneous Approach
		04CQ4ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Percutaneous Endoscopic Approach
		04CR0ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Open Approach
		04CR3ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Percutaneous Approach
		04CR4ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Percutaneous Endoscopic Approach
		04CS0ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Open Approach

(continued)



ICD-9-CM Codes	Description	ICD-10 Codes	Description
38.18	Endarterectomy, lower limb arteries (continued)	04CS3ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Percutaneous Approach
		04CS4ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Percutaneous Endoscopic Approach
		04CT0ZZ	Extirpation of Matter from Right Peroneal Artery, Open Approach
		04CT3ZZ	Extirpation of Matter from Right Peroneal Artery, Percutaneous Approach
		04CT4ZZ	Extirpation of Matter from Right Peroneal Artery, Percutaneous Endoscopic Approach
		04CU0ZZ	Extirpation of Matter from Left Peroneal Artery, Open Approach
		04CU3ZZ	Extirpation of Matter from Left Peroneal Artery, Percutaneous Approach
		04CU4ZZ	Extirpation of Matter from Left Peroneal Artery, Percutaneous Endoscopic Approach
		04CV0ZZ	Extirpation of Matter from Right Foot Artery, Open Approach
		04CV3ZZ	Extirpation of Matter from Right Foot Artery, Percutaneous Approach
		04CV4ZZ	Extirpation of Matter from Right Foot Artery, Percutaneous Endoscopic Approach
		04CW0ZZ	Extirpation of Matter from Left Foot Artery, Open Approach
		04CW3ZZ	Extirpation of Matter from Left Foot Artery, Percutaneous Approach
		04CW4ZZ	Extirpation of Matter from Left Foot Artery, Percutaneous Endoscopic Approach
		04CY0ZZ	Extirpation of Matter from Lower Artery, Open Approach
		04CY3ZZ	Extirpation of Matter from Lower Artery, Percutaneous Approach
		04CY4ZZ	Extirpation of Matter from Lower Artery, Percutaneous Endoscopic Approach
55.03	Percutaneous nephrostomy without fragmentation	0T9030Z	Drainage of Right Kidney with Drainage Device, Percutaneous Approach
		0T9040Z	Drainage of Right Kidney with Drainage Device, Percutaneous Endoscopic Approach
		0T9130Z	Drainage of Left Kidney with Drainage Device, Percutaneous Approach
		0T9140Z	Drainage of Left Kidney with Drainage Device, Percutaneous Endoscopic Approach
		0TC03ZZ	Extirpation of Matter from Right Kidney, Percutaneous Approach
		0TC04ZZ	Extirpation of Matter from Right Kidney, Percutaneous Endoscopic Approach
		0TC13ZZ	Extirpation of Matter from Left Kidney, Percutaneous Approach
		0TC14ZZ	Extirpation of Matter from Left Kidney, Percutaneous Endoscopic Approach
		0TC33ZZ	Extirpation of Matter from R Kidney Pelvis, Perc Approach
		0TC34ZZ	Extirpate of Matter from R Kidney Pelvis, Perc Endo Approach
		0TC43ZZ	Extirpation of Matter from Left Kidney Pelvis, Perc Approach
		0TC44ZZ	Extirpate of Matter from L Kidney Pelvis, Perc Endo Approach
55.04	Percutaneous nephrostomy with fragmentation	0TF33ZZ	Fragmentation in Right Kidney Pelvis, Percutaneous Approach
		0TF34ZZ	Fragmentation in Right Kidney Pelvis, Percutaneous Endoscopic Approach
		0TF43ZZ	Fragmentation in Left Kidney Pelvis, Percutaneous Approach
		0TF44ZZ	Fragmentation in Left Kidney Pelvis, Percutaneous Endoscopic Approach

(continued)

ICD-9-CM Codes	Description	ICD-10 Codes	Description
94.26	Subconvulsive electroshock therapy	GZB4ZZZ	Other Electroconvulsive Therapy
94.27	Other electroshock therapy	GZB0ZZZ	Electroconvulsive Therapy, Unilateral-Single Seizure
		GZB1ZZZ	Electroconvulsive Therapy, Unilateral-Multiple Seizure
		GZB2ZZZ	Electroconvulsive Therapy, Bilateral-Single Seizure
		GZB3ZZZ	Electroconvulsive Therapy, Bilateral-Multiple Seizure
		GZB4ZZZ	Other Electroconvulsive Therapy

**Table PA4: Final Crosswalk for the Acute Diagnosis Categories**

ICD-9-CM Diagnosis CCS	Description	ICD-10 Diagnosis CCS	Description
1	Tuberculosis	1	Tuberculosis
2	Septicemia (except in labor)	2	Septicemia (except in labor)
3	Bacterial infection; unspecified site	3	Bacterial infection; unspecified site
4	Mycoses	4	Mycoses
5	HIV infection	5	HIV infection
7	Viral infection	7	Viral infection
8	Other infections; including parasitic	8	Other infections; including parasitic
9	Sexually transmitted infections (not HIV or hepatitis)	9	Sexually transmitted infections (not HIV or hepatitis)
54	Gout and other crystal arthropathies	54	Gout and other crystal arthropathies
55	Fluid and electrolyte disorders	55	Fluid and electrolyte disorders
60	Acute posthemorrhagic anemia	60	Acute posthemorrhagic anemia
61	Sickle cell anemia	61	Sickle cell anemia
63	Diseases of white blood cells	63	Diseases of white blood cells
76	Meningitis (except that caused by tuberculosis or sexually transmitted disease)	76	Meningitis (except that caused by tuberculosis or sexually transmitted disease)
77	Encephalitis (except that caused by tuberculosis or sexually transmitted disease)	77	Encephalitis (except that caused by tuberculosis or sexually transmitted disease)
78	Other CNS infection and poliomyelitis	78	Other CNS infection and poliomyelitis
82	Paralysis	82	Paralysis
83	Epilepsy; convulsions	83	Epilepsy; convulsions
84	Headache; including migraine	84	Headache; including migraine
85	Coma; stupor; and brain damage	85	Coma; stupor; and brain damage
87	Retinal detachments; defects; vascular occlusion; and retinopathy	87	Retinal detachments; defects; vascular occlusion; and retinopathy
89	Blindness and vision defects	89	Blindness and vision defects
90	Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)	90	Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)
91	Other eye disorders	91	Other eye disorders
92	Otitis media and related conditions	92	Otitis media and related conditions
93	Conditions associated with dizziness or vertigo	93	Conditions associated with dizziness or vertigo

(continued)

ICD-9-CM Diagnosis CCS	Description	ICD-10 Diagnosis CCS	Description
99	Hypertension with complications and secondary hypertension	99	Hypertension with complications and secondary hypertension
100	Acute myocardial infarction (with the exception of ICD-9 codes 410.x2)	100	Acute myocardial infarction
102	Nonspecific chest pain	102	Nonspecific chest pain
104	Other and ill-defined heart disease	104	Other and ill-defined heart disease
107	Cardiac arrest and ventricular fibrillation	107	Cardiac arrest and ventricular fibrillation
109	Acute cerebrovascular disease	109	Acute cerebrovascular disease
112	Transient cerebral ischemia	112	Transient cerebral ischemia
116	Aortic and peripheral arterial embolism or thrombosis	116	Aortic and peripheral arterial embolism or thrombosis
118	Phlebitis; thrombophlebitis/thromboembolism	118	Phlebitis; thrombophlebitis and thromboembolism
120	Hemorrhoids	120	Hemorrhoids
122	Pneumonia (except that caused by TB or sexually transmitted disease)	122	Pneumonia (except that caused by TB or sexually transmitted disease)
123	Influenza	123	Influenza
124	Acute and chronic tonsillitis	124	Acute and chronic tonsillitis
125	Acute bronchitis	125	Acute bronchitis
126	Other upper respiratory infections	126	Other upper respiratory infections
127	Chronic obstructive pulmonary disease and bronchiectasis	127	Chronic obstructive pulmonary disease and bronchiectasis
128	Asthma	128	Asthma
129	Aspiration pneumonitis; food/vomitus	129	Aspiration pneumonitis; food/vomitus
130	Pleurisy; pneumothorax; pulmonary collapse	130	Pleurisy; pneumothorax; pulmonary collapse
131	Respiratory failure; insufficiency; arrest (adult)	131	Respiratory failure; insufficiency; arrest (adult)
135	Intestinal infection	135	Intestinal infection
137	Diseases of mouth; excluding dental	137	Diseases of mouth; excluding dental
139	Gastroduodenal ulcer (except hemorrhage)	139	Gastroduodenal ulcer (except hemorrhage)
140	Gastritis and duodenitis	140	Gastritis and duodenitis
142	Appendicitis and other appendiceal conditions	142	Appendicitis and other appendiceal conditions
145	Intestinal obstruction without hernia	145	Intestinal obstruction without hernia
146	Diverticulosis and diverticulitis	146	Diverticulosis and diverticulitis
148	Peritonitis and intestinal abscess	148	Peritonitis and intestinal abscess
153	Gastrointestinal hemorrhage	153	Gastrointestinal hemorrhage
154	Noninfectious gastroenteritis	154	Noninfectious gastroenteritis
157	Acute and unspecified renal failure	157	Acute and unspecified renal failure
159	Urinary tract infections	159	Urinary tract infections
165	Inflammatory conditions of male genital organs	165	Inflammatory conditions of male genital organs
168	Inflammatory diseases of female pelvic organs	168	Inflammatory diseases of female pelvic organs
172	Ovarian cyst	172	Ovarian cyst
197	Skin and subcutaneous tissue infections	197	Skin and subcutaneous tissue infections
198	Other inflammatory condition of skin	198	Other inflammatory condition of skin
225	Joint disorders and dislocations; trauma-related	225	Joint disorders and dislocations; trauma-related

(continued)

ICD-9-CM Diagnosis CCS	Description	ICD-10 Diagnosis CCS	Description
226	Fracture of neck of femur (hip)	226	Fracture of neck of femur (hip)
227	Spinal cord injury	227	Spinal cord injury
228	Skull and face fractures	228	Skull and face fractures
229	Fracture of upper limb	229	Fracture of upper limb
230	Fracture of lower limb	230	Fracture of lower limb
232	Sprains and strains	232	Sprains and strains
233	Intracranial injury	233	Intracranial injury
234	Crushing injury or internal injury	234	Crushing injury or internal injury
235	Open wounds of head; neck; and trunk	235	Open wounds of head; neck; and trunk
237	Complication of device; implant or graft	237	Complication of device; implant or graft
238	Complications of surgical procedures or medical care	238	Complications of surgical procedures or medical care
239	Superficial injury; contusion	239	Superficial injury; contusion
240	Burns	240	Burns
241	Poisoning by psychotropic agents	241	Poisoning by psychotropic agents
242	Poisoning by other medications and drugs	242	Poisoning by other medications and drugs
243	Poisoning by nonmedicinal substances	243	Poisoning by nonmedicinal substances
244	Other injuries and conditions due to external causes	244	Other injuries and conditions due to external causes
245	Syncope	245	Syncope
246	Fever of unknown origin	246	Fever of unknown origin
247	Lymphadenitis	247	Lymphadenitis
249	Shock	249	Shock
250	Nausea and vomiting	250	Nausea and vomiting
251	Abdominal pain	251	Abdominal pain
252	Malaise and fatigue	252	Malaise and fatigue
253	Allergic reactions	253	Allergic reactions
259	Residual codes; unclassified	259	Residual codes; unclassified
650	Adjustment disorders	650	Adjustment disorders
651	Anxiety disorders	651	Anxiety disorders
652	Attention-deficit, conduct, and disruptive behavior disorders	652	Attention-deficit
653	Delirium, dementia, and amnestic and other cognitive disorders	653	Delirium
656	Impulse control disorders, NEC	656	Impulse control disorders
658	Personality disorders	658	Personality disorders
660	Alcohol-related disorders	660	Alcohol-related disorders
661	Substance-related disorders	661	Substance-related disorders
662	Suicide and intentional self-inflicted injury	662	Suicide and intentional self-inflicted injury
663	Screening and history of mental health and substance abuse codes	663	Screening and history of mental health and substance abuse codes
670	Miscellaneous disorders	670	Miscellaneous disorders

(continued)

ICD-9-CM Codes	Description	ICD-10 Codes	Description
Acute ICD-9 Codes Within Dx CCS 97: Peri-, Endo-, and Myocarditis; Cardiomyopathy		Acute ICD-10 Codes Within Dx CCS 97: Peri-, Endo-, and Myocarditis; Cardiomyopathy	
03282	Diphtheritic myocarditis	A3681	Diphtheritic cardiomyopathy
03640	Meningococcal carditis nos	A3950	Meningococcal carditis, unspecified
03641	Meningococcal pericarditis	A3953	Meningococcal pericarditis
03642	Meningococcal endocarditis	A3951	Meningococcal endocarditis
03643	Meningococcal myocarditis	A3952	Meningococcal myocarditis
07420	Coxsackie carditis nos	B3320	Viral carditis, unspecified
07421	Coxsackie pericarditis	B3323	Viral pericarditis
07422	Coxsackie endocarditis	B3321	Viral endocarditis
07423	Coxsackie myocarditis	B3322	Viral myocarditis
11281	Candidal endocarditis	B376	Candidal endocarditis
11503	Histoplasma capsulatum pericarditis	B394	Histoplasmosis capsulati, unspecified
		I32	Pericarditis in diseases classified elsewhere
11504	Histoplasma capsulatum endocarditis	B394	Histoplasmosis capsulati, unspecified
		I39	Endocarditis and heart valve disorders in diseases classified elsewhere
11513	Histoplasma duboisii pericarditis	B395	Histoplasmosis duboisii
		I32	Pericarditis in diseases classified elsewhere
11514	Histoplasma duboisii endocarditis	B395	Histoplasmosis duboisii
		I39	Endocarditis and heart valve disorders in diseases classified elsewhere
11593	Histoplasmosis pericarditis	B399	Histoplasmosis, unspecified
		I32	Pericarditis in diseases classified elsewhere
11594	Histoplasmosis endocarditis	I39	Endocarditis and heart valve disorders in diseases classified elsewhere
		B399	Histoplasmosis, unspecified
1303	Toxoplasma myocarditis	B5881	Toxoplasma myocarditis
3910	Acute rheumatic pericarditis	I010	Acute rheumatic pericarditis
3911	Acute rheumatic endocarditis	I011	Acute rheumatic endocarditis
3912	Acute rheumatic myocarditis	I012	Acute rheumatic myocarditis
3918	Acute rheumatic heart disease nec	I018	Other acute rheumatic heart disease
3919	Acute rheumatic heart disease nos	I019	Acute rheumatic heart disease, unspecified
3920	Rheumatic chorea w heart involvement	I020	Rheumatic chorea with heart involvement
3980	Rheumatic myocarditis	I090	Rheumatic myocarditis
39890	Rheumatic heart disease nos	I099	Rheumatic heart disease, unspecified
39899	Rheumatic heart disease nec	I0989	Other specified rheumatic heart diseases
4200	Acute pericarditis in other disease	I32	Pericarditis in diseases classified elsewhere
		M3212	Pericarditis in systemic lupus erythematosus
42090	Acute pericarditis nos	I301	Infective pericarditis
		I309	Acute pericarditis, unspecified
42091	Acute idiopath pericarditis	I300	Acute nonspecific idiopathic pericarditis
42099	Acute pericarditis nec	I308	Other forms of acute pericarditis
		I309	Acute pericarditis, unspecified
4210	Acute/subacute bacterial endocarditis	I330	Acute and subacute infective endocarditis

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ICD-9-CM Codes	Description	ICD-10 Codes	Description
4211	Acute endocarditis in other diseases	I39	Endocarditis and heart valve disorders in diseases classified elsewhere
4219	Acute/subacute endocarditis nos	I339	Acute and subacute endocarditis, unspecified
4220	Acute myocarditis in other diseases	I41	Myocarditis in diseases classified elsewhere
42290	Acute myocarditis nos	I409	Acute myocarditis, unspecified
42291	Idiopathic myocarditis	I400	Infective myocarditis
		I401	Isolated myocarditis
42292	Septic myocarditis	I400	Infective myocarditis
42293	Toxic myocarditis	I408	Other acute myocarditis
42299	Acute myocarditis nec	I408	Other acute myocarditis
4230	Hemopericardium	I312	Hemopericardium, not elsewhere classified
4231	Adhesive pericarditis	I310	Chronic adhesive pericarditis
4232	Constrictive pericarditis	I311	Chronic constrictive pericarditis
4233	Cardiac tamponade	I314	Cardiac tamponade
4290	Myocarditis nos	I514	Myocarditis, unspecified
<b>Acute ICD-9 Codes Within Dx CCS 105: Conduction Disorders</b>		<b>Acute ICD-10 Codes Within Dx CCS 105: Conduction Disorders</b>	
4260	Atrioventricular	I442	Atrioventricular block, complete
42610	Atrioventricular block nos	I4430	Unspecified atrioventricular block
42611	Atrioventricular block-1st degree	I440	Atrioventricular block, first degree
42612	Atrioventricular block-mobitz ii	I441	Atrioventricular block, second degree
42613	Atrioventricular block-2nd degree nec	I441	Atrioventricular block, second degree
4262	Left bundle branch hemiblock	I4469	Other fascicular block
		I444	Left anterior fascicular block
		I445	Left posterior fascicular block
		I4460	Unspecified fascicular block
4263	Left bundle branch block nec	I447	Left bundle-branch block, unspecified
4264	Right bundle branch block	I450	Right fascicular block
		I4510	Unspecified right bundle-branch block
		I4519	Other right bundle-branch block
42650	Bundle branch block nos	I4430	Unspecified atrioventricular block
		I4439	Other atrioventricular block
		I454	Nonspecific intraventricular block
42651	Right bundle branch block/left posterior fascicular block	I452	Bifascicular block
42652	Right bundle branch block/left ant fascicular block	I452	Bifascicular block
42653	Bilateral bundle branch block nec	I452	Bifascicular block
42654	Trifascicular block	I453	Trifascicular block
4266	Other heart block	I455	Other specified heart block
4267	Anomalous atrioventricular excitation	I456	Pre-excitation syndrome
42681	Lown-ganong-levine syndrome	I456	Pre-excitation syndrome
42682	Long qt syndrome	I4581	Long QT syndrome
4269	Conduction disorder nos	I459	Conduction disorder, unspecified

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ICD-9-CM Codes	Description	ICD-10 Codes	Description
Acute ICD-9 Codes Within Dx CCS 106: Dysrhythmia		Acute ICD-10 Codes Within Dx CCS 106: Dysrhythmia	
4272	Paroxysmal tachycardia nos	I479	Paroxysmal tachycardia, unspecified
7850	Tachycardia nos	R000	Tachycardia, unspecified
42789	Cardiac dysrhythmias nec	I498	Other specified cardiac arrhythmias
		R001	Bradycardia, unspecified
4279	Cardiac dysrhythmia nos	I499	Cardiac arrhythmia, unspecified
42769	Premature beats nec	I493	Ventricular premature depolarization
		I4949	Other premature depolarization
Acute ICD-9-CM Codes Within Dx CCS 108: Congestive Heart Failure; Nonhypertensive		Acute ICD-10 Codes Within Dx CCS 108: Congestive Heart Failure; Nonhypertensive	
39891	Rheumatic heart failure	I0981	Rheumatic heart failure
4280	Congestive heart failure	I509	Heart failure, unspecified
		I5022	Chronic systolic (congestive) heart failure
		I5032	Chronic diastolic (congestive) heart failure
		I5042	Chronic combined systolic/diastolic hrt failure
4281	Left heart failure	I501	Left ventricular failure
42820	Unspecified systolic heart failure	I5020	Unspecified systolic (congestive) heart failure
42821	Acute systolic heart failure	I5021	Acute systolic (congestive) heart failure
42823	Acute on chronic systolic heart failure	I5023	Acute on chronic systolic (congestive) heart failure
42830	Unspecified diastolic heart failure	I5030	Unspecified diastolic (congestive) heart failure
42831	Acute diastolic heart failure	I5031	Acute diastolic (congestive) heart failure
42833	Acute on chronic diastolic heart failure	I5033	Acute on chronic diastolic (congestive) heart failure
42840	Unspec combined syst & dias heart failure	I5040	Unsp combined systolic and diastolic (congestive) hrt fail
42841	Acute combined systolic & diastolic heart failure	I5041	Acute combined systolic (congestive) and diastolic (congestive) heart failure
42843	Acute on chronic combined systolic & diastolic heart failure	I5043	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
4289	Heart failure nos	I509	Heart failure, unspecified
Acute ICD-9-CM Codes Within Dx CCS 149: Biliary Tract Disease		Acute ICD-10 Codes Within Dx CCS 149: Biliary Tract Disease	
57400	Calculus of gallbladder with acute cholecystitis without mention of obstruction	K8000	Calculus of gallbladder w acute cholecyst w/o obstruction
		K8012	Calculus of GB w acute and chronic cholecyst w/o obstruction
57401	Calculus of gallbladder with acute cholecystitis with obstruction	K8001	Calculus of gallbladder w acute cholecystitis w obstruction
		K8013	Calculus of GB w acute and chronic cholecyst w obstruction

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ICD-9-CM Codes	Description	ICD-10 Codes	Description
57430	Calculus of bile duct with acute cholecystitis without mention of obstruction	K8042	Calculus of bile duct w acute cholecystitis w/o obstruction
		K8046	Calculus of bile duct w acute and chronic cholecyst w/o obst
57431	Calculus of bile duct with acute cholecystitis with obstruction	K8043	Calculus of bile duct w acute cholecystitis with obstruction
		K8047	Calculus of bile duct w acute and chronic cholecyst w obst
57460	Calculus of gallbladder and bile duct with acute cholecystitis w/o obstruction	K8062	Calculus of GB and bile duct w acute cholecyst w/o obst
57461	Calculus of gallbladder and bile duct with acute cholecystitis with obstruction	K8063	Calculus of GB and bile duct w acute cholecyst w obstruction
57480	Calculus of gallbladder and bile duct with acute and chronic cholecystitis without mention of obstruction	K8066	Calculus of GB and bile duct w ac and chr cholecyst w/o obst
57481	Calculus of gallbladder and bile duct with acute and chronic cholecystitis with obstruction	K8067	Calculus of GB and bile duct w ac and chr cholecyst w obst
5750	Acute cholecystitis	K810	Acute cholecystitis
57512	Acute and chronic cholecystitis	K812	Acute cholecystitis with chronic cholecystitis
5761	Cholangitis	K8030	Calculus of bile duct w cholangitis, unsp, w/o obstruction
		K8031	Calculus of bile duct w cholangitis, unsp, with obstruction
		K8032	Calculus of bile duct with acute cholangitis w/o obstruction
		K8033	Calculus of bile duct w acute cholangitis with obstruction
		K8034	Calculus of bile duct w chronic cholangitis w/o obstruction
		K8035	Calculus of bile duct w chronic cholangitis with obstruction
		K8036	Calculus of bile duct w acute and chr cholangitis w/o obst
		K8037	Calculus of bile duct w acute and chronic cholangitis w obst
		K830	Cholangitis
Acute ICD-9-CM Codes Within Dx CCS 152: Pancreatic Disorders		Acute ICD-10 Codes Within Dx CCS 152: Pancreatic Disorders	
5770	Acute Pancreatitis	K859	Acute pancreatitis, unspecified
		B252	Cytomegaloviral pancreatitis
		K850	Idiopathic acute pancreatitis
		K851	Biliary acute pancreatitis
		K852	Alcohol induced acute pancreatitis
		K853	Drug induced acute pancreatitis
		K858	Other acute pancreatitis