

## Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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## Overview for Request: cder\_mpl1r\_wp197

**Request ID:** cder\_mpl1r\_wp197\_nsdv\_v03

**Request Description:** Using the rapidly refreshed version of the Sentinel Distributed Database (SDD) designed for COVID-19 analyses, this report identifies patients with COVID-19 in the outpatient setting and characterizes their oral and injectable corticosteroid initiation. We describe baseline and clinical characteristics among corticosteroid initiators and non-initiators and identify hospitalizations and other complications.

**Sentinel Modular Program Tool Used:** Cohort Identification and Descriptive Analysis (CIDA) tool, version 10.2.0

**Data Source:** We distributed this request to four Data Partners (DP) contributing to the rapid COVID-19 Sentinel Distributed Database on March 23, 2021; data from April 1, 2020 to October 31, 2020 were included. See Appendix A for a list of dates of available data for each DP.

**Study Design:** We conducted a retrospective cohort study identifying individuals with COVID-19 in two time periods: 1) April 1, 2020 to September 30, 2020, and 2) April 1, 2020 to October 31, 2020. We characterized and described the time to initiation of oral and injectable corticosteroids within 10 days of COVID-19 identification. We described demographic and clinical characteristics of patients who initiated corticosteroids and those who did not initiate corticosteroids. We identified the proportion of corticosteroid initiators who were hospitalized and who developed various complications within 30 days of initiation. This was a Type 2 descriptive analysis with the add-on feature of the concomitant use tool, as described in the Query Request Package (QRP) documentation.

**COVID-19 Cohort Identification:** The index date for the cohort was date of COVID-19 identification: the first date of either 1) specimen collection for a positive SARS-CoV-2 nucleic acid amplification test (NAAT) in the outpatient setting (or an unknown setting for two DPs that do not populate laboratory test care setting), or 2) a diagnosis code in the ambulatory visit (AV), other ambulatory visit (OA), or emergency department (ED) care setting. See Appendix B for a list of Logical Observation Identifiers Names and Codes (LOINC) used to define the tests for SARS-CoV-2 and Appendix C for the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) code to define COVID-19.

**Cohort Eligibility Criteria:** We required eligible patients to be continuously enrolled in a health plan with medical and drug coverage for at least 183 days prior to the index date. We included patients of all ages. We excluded patients who had evidence of the following: a COVID-19 diagnosis or a positive NAAT specimen collection date prior to the index date of interest; a COVID-19 "legacy" diagnosis code in the 183 days prior to the index date of interest; an encounter for a non-acute institutional stay (IS) in the 183 days prior to the index date of interest; a dispensing of oral fludrocortisone in the 90 days prior to and including the index date of interest; a dispensing of oral or administration of oral or injectable corticosteroid in the 90 days prior to the index date of interest; or an inpatient stay (IP) or IS encounter on the index date of interest. See Appendix D for a list of ICD-10-CM codes to define incidence criteria, Appendix E for a list of generic and brand names of medical products used to define fludrocortisone use, Appendix F for a list of generic and brand names of medical products used to define corticosteroid use, and Appendix G for for a list of generic and brand names and Healthcare Common Procedure Coding System (HCPCS) codes to define corticosteroid use.

**Corticosteroid Initiation:** Starting on the COVID-19 index date and continuing through day 10, we identified patients with 1) an outpatient pharmacy dispensing for an oral or injectable corticosteroid, or 2) an oral or injectable corticosteroid administration record in the AV, OA, or ED care setting. As a sensitivity analysis, we captured only corticosteroid administrations in the ED care setting. Patients with qualifying oral or injectable corticosteroid records could not have evidence of a hospitalization (IP or IS encounter) in the 10 days prior to and including the date of dispensing or administration. We classified patients who met this definition as corticosteroid initiators and characterized the time to treatment initiation from COVID-19 identification. We also described each generic name and route of administration for pharmacy dispensings and each care setting for the outpatient administrations.

Patients who did not have evidence of oral or injectable corticosteroids within 10 days of COVID-19 identification and who were not hospitalized (IP or IS encounter) within 10 days of COVID-19 identification were classified as non-initiators.

The cohorts of corticosteroid initiators and non-initiators were not a complete summation of the total patients with outpatient-identified COVID-19. Neither initiator nor non-initiator cohorts included patients with outpatient-identified COVID-19 who 1) did not initiate corticosteroid treatment within 10 days of identification and were hospitalized during that same time period, or 2) did not initiate corticosteroid treatment within 10 days of identification and disenrolled from the database or died in that same time period.

### Overview for Request: cder\_mpl1r\_wp197

**Baseline Characteristics:** We described demographic characteristics including age, sex, race, ethnicity, Census Bureau (CB) and Health & Human Services (HHS) geographic regions, and month of COVID-19 identification. See Appendix H for a list of states and U.S. territories included in each CB region. We identified baseline use of various medications in the 183 days prior to COVID-19 index date, including the following: injectable anticoagulants, oral anticoagulants, inhaled corticosteroids, and hydroxychloroquine. We also described the number of patients with evidence of the following comorbidities in the 183 days prior to COVID-19 index date: cerebrovascular disease, cardiovascular disease, pulmonary disease, cancer, immunosuppression, oxygen support, frailty, and other various conditions. See Appendices I and J for a list of generic and brand names of medical products, ICD-10-CM, HCPCS, International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) codes used to define baseline medications and comorbidities.

**Clinical Characteristics for COVID-19:** We identified the number of patients with evidence of use of certain medications on the COVID-19 index date through 10 days after, including the following: injectable anticoagulants, oral anticoagulants, antiplatelets, azithromycin, chloroquine, convalescent plasma, inhaled corticosteroids, hydroxychloroquine, and remdesivir. We also described clinical characteristics in various evaluation windows relative to the COVID-19 index date: 1) on the date of COVID-19 identification, 2) in the 2 days after (and including date of) COVID-19 identification, 3) in the 7 days after (and including date of) COVID-19 identification, and 4) in the 10 days after (and including date of) COVID-19 identification. The clinical characteristics of interest included the following: COVID-19 diagnosis, acute respiratory distress syndrome, acute respiratory failure, dyspnea, loss of taste or smell, oxygen use, pneumonia, and shock. See Appendices K, L, and M for a list of generic and brand names of medical products, HCPCS, CPT-4, and ICD-10-CM codes used to define medication use and COVID-19 clinical characteristics described in these evaluation periods.

**Complications after Corticosteroid Initiation:** We described the proportion of corticosteroid initiators who had various complications starting on the date of treatment initiation until a maximum of 30 days after initiation. We estimated the total number of patients with: 1) an encounter for all-cause hospitalization (IP or IS encounter); 2) a hospitalization with a COVID-19 diagnosis code in any diagnostic position; and 3) a hospitalization with a COVID-19 diagnosis code in the principal discharge diagnosis. In sensitivity analyses, we described the occurrence of hospitalizations with a COVID-19 diagnosis code in any diagnostic position and in the principal discharge diagnosis within a maximum of two days after corticosteroid initiation among 1) all corticosteroid initiators and 2) corticosteroid initiators administered in only the ED.

Additionally, we identified patients with evidence of the following conditions in any care setting within 30 days of corticosteroid initiation: hyperglycemia, ketoacidosis, and psychosis or psychotic disorder. We also identified patients with evidence of a severe infection generally and specifically during an IP encounter, including the following: bacterial infection, secondary viral infection, fungal infection, and other infections. See Appendix N for a list of ICD-10-CM codes to define complications following corticosteroid initiation.

**Hospitalization for Corticosteroid Non-Initiators:** Among patients without evidence of corticosteroid initiation within 10 days of COVID-19 identification and who were not hospitalized (IP or IS encounter) within 10 days of COVID-19 identification, we described the proportion who were hospitalized between 11 to 40 days after COVID-19 identification, including 1) an encounter for all-cause hospitalization (IP or IS encounter), 2) a hospitalization with a COVID-19 diagnosis code in any diagnostic position, and 3) a hospitalization with a COVID-19 diagnosis code in the principal discharge diagnosis.

***For detailed specifications of parameters used in the analysis, please refer to Appendix O to define cohort entry and Appendix P to define baseline and clinical characteristics.***

**Limitations:** Data completeness varies by data source and claims type (i.e. care setting); we expect a lag in inpatient claims of  $\geq 60$  days for the two participating national health plans and of  $\geq 30$  days for the two participating integrated delivery systems. Therefore, estimates of inpatient events may be underestimated. Additionally, algorithms to define events are imperfect and may be misclassified. Data should be interpreted with this limitation in mind.

**Notes:** Please contact the Sentinel Operations Center ([info@sentinelssystem.org](mailto:info@sentinelssystem.org)) for questions and to provide comments/suggestions for future enhancements to this document.

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**Glossary of Terms for Analyses Using  
Cohort Identification and Descriptive Analysis (CIDA) Module\***

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

**Blackout Period** - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

**Care Setting** - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

**Ambulatory Visit (AV)** - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

**Emergency Department (ED)** - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

**Inpatient Hospital Stay (IP)** - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

**Non-Acute Institutional Stay (IS)** - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

**Other Ambulatory Visit (OA)** - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

**Charlson/Elixhauser Combined Comorbidity Score** - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

**Code Days** - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

**Computed Start Marketing Date** - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

**Days Supplied** - number of days supplied for all dispensings in qualifying treatment episodes.

**Eligible Members** - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

**Enrollment Gap** - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

**Episodes** - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

**Event Deduplication** - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

**Exposure Episode Length** - number of days after exposure initiation that is considered "exposed time."

**Exposure Extension Period** - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

**Lookback Period** - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

**Maximum Episode Duration** - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Member-Years** - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

**Minimum Days Supplied** - specifies a minimum number of days in length of the days supplied for the episode to be considered.

**Minimum Episode Duration** - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Monitoring Period** - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

**Principal Diagnosis (PDX)** - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

**Query Period** - period in which the modular program looks for exposures and outcomes of interest.

**Switch Evaluation Step Value** - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

**Switch Gap Inclusion Indicator** - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

**Switch Pattern Cohort Inclusion Date** - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

**Switch Pattern Cohort Inclusion Strategy** - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

**Treatment Episode Truncation Indicator** - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

**Washout Period (drug/exposure)** - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

**Washout Period (event/outcome)** - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

**Years at Risk** - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

\*all terms may not be used in this report

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Characteristic	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number		Number		Number		Absolute Difference	Standardized Difference
Number of unique patients	160,693		8,733		144,922		--	--
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Absolute Difference</b>	<b>Standardized Difference</b>
<b>Mean Age (Years)</b>	49.1	19.7	55.8	17.1	47.8	19.8	8.0	0.432
Age (Years)	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Absolute Difference</b>	<b>Standardized Difference</b>
0-17	9,362	5.8%	145	1.7%	9,188	6.3%	-4.680	-0.241
18-44	60,712	37.8%	2,341	26.8%	57,667	39.8%	-12.985	-0.278
45-64	43,803	27.3%	2,898	33.2%	39,271	27.1%	6.086	0.133
65-74	28,052	17.5%	2,098	24.0%	23,655	16.3%	7.701	0.193
75-79	8,344	5.2%	661	7.6%	6,722	4.6%	2.931	0.123
80+	10,420	6.5%	590	6.8%	8,419	5.8%	0.947	0.039
<b>Sex</b>								
Female	87,489	54.4%	4,863	55.7%	79,191	54.6%	1.041	0.021
Male	73,204	45.6%	3,870	44.3%	65,731	45.4%	-1.041	-0.021
<b>Race</b>								
Unknown	92,623	57.6%	4,810	55.1%	85,108	58.7%	-3.648	-0.074
American Indian or Alaska Native	464	0.3%	38	0.4%	398	0.3%	0.161	0.027
Asian	3,407	2.1%	126	1.4%	3,143	2.2%	-0.726	-0.055
Black or African American	13,652	8.5%	793	9.1%	11,657	8.0%	1.037	0.037
Native Hawaiian or Other Pacific Islander	728	0.5%	46	0.5%	616	0.4%	0.102	0.015
White	49,819	31.0%	2,920	33.4%	44,000	30.4%	3.075	0.066
<b>Ethnicity</b>								
Hispanic Origin	10,924	6.8%	654	7.5%	9,868	6.8%	0.680	0.026



**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Census Bureau (CB) region <sup>2</sup>	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Northeast	33,627	20.9%	693	7.9%	32,121	22.2%	-14.229	-0.406
Midwest	26,923	16.8%	1,113	12.7%	24,461	16.9%	-4.134	-0.117
South	72,923	45.4%	6,059	69.4%	62,864	43.4%	26.003	0.543
West	26,720	16.6%	844	9.7%	25,015	17.3%	-7.597	-0.224
Invalid	254	0.2%	10	0.1%	239	0.2%	-0.050	-0.013
Missing	4	0.0%	0	0.0%	4	0.0%	-0.003	-0.007
Other	242	0.2%	14	0.2%	218	0.2%	0.010	0.003
<b>Health &amp; Human Services (HHS) region</b>								
#01: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	4,035	2.5%	70	0.8%	3,848	2.7%	-1.854	-0.143
#02: New Jersey, New York, Puerto Rico, Virgin Islands	24,767	15.4%	497	5.7%	23,784	16.4%	-10.721	-0.347
#03: Delaware, Maryland, Pennsylvania, Virginia, West Virginia, District of Columbia	12,088	7.5%	415	4.8%	11,112	7.7%	-2.915	-0.121
#04: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee	38,804	24.1%	3,271	37.5%	33,284	23.0%	14.489	0.320
#05: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin	21,210	13.2%	706	8.1%	19,505	13.5%	-5.375	-0.174

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
#06: Arkansas, Louisiana, New Mexico, Oklahoma, Texas	27,040	16.8%	2,511	28.8%	23,114	15.9%	12.804	0.311
#07: Iowa, Kansas, Missouri, Nebraska	5,478	3.4%	394	4.5%	4,753	3.3%	1.232	0.064
#08: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming	2,407	1.5%	96	1.1%	2,189	1.5%	-0.411	-0.036
#09: Arizona, California, Hawaii, Nevada, American Samoa, Federated States of Micronesia, Guam, Palau	18,368	11.4%	700	8.0%	17,097	11.8%	-3.782	-0.127
#10: Alaska, Idaho, Oregon, Washington	6,233	3.9%	63	0.7%	5,988	4.1%	-3.410	-0.223
#11: Northern Mariana Islands, Marshall Islands	5	0.0%	0	0.0%	5	0.0%	-0.003	-0.008
Invalid	254	0.2%	10	0.1%	239	0.2%	-0.050	-0.013
Missing	4	0.0%	0	0.0%	4	0.0%	-0.003	-0.007
Other	0	0.0%	0	0.0%	0	0.0%	0.000	0.000
<b>Month of COVID-19 identification</b>								
April 2020	13,357	8.3%	295	3.4%	12,173	8.4%	-5.022	-0.215
May 2020	15,440	9.6%	355	4.1%	14,421	10.0%	-5.886	-0.232
June 2020	25,482	15.9%	1,051	12.0%	23,381	16.1%	-4.099	-0.118
July 2020	46,928	29.2%	2,968	34.0%	41,908	28.9%	5.068	0.109
August 2020	30,825	19.2%	2,148	24.6%	27,368	18.9%	5.712	0.139
September 2020	28,661	17.8%	1,916	21.9%	25,671	17.7%	4.226	0.106

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
<b>Clinical history assessed in the 183 days prior to (and not including date of) COVID-19 identification</b>	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Charlson/Elixhauser combined comorbidity score <sup>3</sup>	0.6	1.6	0.8	1.7	0.5	1.5	0.3	0.187
<b>Drug use defined via National Drug Codes (NDC) only</b>	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Anticoagulants, injection	577	0.4%	35	0.4%	467	0.3%	0.079	0.013
Anticoagulants, oral	4,716	2.9%	333	3.8%	3,784	2.6%	1.202	0.068
Corticosteroids, inhaled	5,318	3.3%	646	7.4%	4,307	3.0%	4.425	0.201
Hydroxychloroquine	1,190	0.7%	93	1.1%	1,037	0.7%	0.349	0.037
<b>Cerebrovascular disease</b>								
Hospitalized stroke or transient ischemic attack	272	0.2%	8	0.1%	227	0.2%	-0.065	-0.018
Other hospitalized cerebrovascular disease	348	0.2%	15	0.2%	265	0.2%	-0.011	-0.003
Non-hospitalized cerebrovascular disease	4,954	3.1%	349	4.0%	4,009	2.8%	1.230	0.068
<b>Cardiovascular disease</b>								
Atrial fibrillation	5,454	3.4%	380	4.4%	4,365	3.0%	1.339	0.071
Congestive heart failure	5,343	3.3%	393	4.5%	4,098	2.8%	1.672	0.089
Coronary revascularization	2,402	1.5%	198	2.3%	1,861	1.3%	0.983	0.074
Hospitalized acute myocardial infarction	258	0.2%	16	0.2%	189	0.1%	0.053	0.013
Hypertension	48,321	30.1%	3,698	42.3%	40,227	27.8%	14.587	0.309

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Pulmonary disease</b>								
Asthma	6,875	4.3%	716	8.2%	5,805	4.0%	4.193	0.176
Bronchiectasis	281	0.2%	21	0.2%	232	0.2%	0.080	0.018
Chronic obstructive pulmonary disease	5,942	3.7%	701	8.0%	4,519	3.1%	4.909	0.215
Hypersensitivity pneumonitis	112	0.1%	12	0.1%	88	0.1%	0.077	0.024
Interstitial lung disease	718	0.4%	66	0.8%	567	0.4%	0.365	0.048
<b>Cancer</b>								
Hematological malignancy	855	0.5%	58	0.7%	702	0.5%	0.180	0.024
Solid malignancy	8,689	5.4%	602	6.9%	7,472	5.2%	1.738	0.073
<b>Immunosuppression</b>								
Immunodeficiency	7,861	4.9%	513	5.9%	6,711	4.6%	1.244	0.056
Immunosuppressants	3,328	2.1%	254	2.9%	2,786	1.9%	0.986	0.064
<b>Other conditions</b>								
Chronic kidney disease	9,597	6.0%	686	7.9%	7,555	5.2%	2.642	0.107
Chronic liver disease	3,047	1.9%	230	2.6%	2,546	1.8%	0.877	0.060
Diabetes	25,261	15.7%	1,842	21.1%	20,738	14.3%	6.783	0.178
Hyperglycemia	9,221	5.7%	717	8.2%	7,518	5.2%	3.023	0.121
Ketoacidosis	100	0.1%	7	0.1%	76	0.1%	0.028	0.011
Neurological conditions	6,770	4.2%	298	3.4%	5,626	3.9%	-0.470	-0.025
Nicotine dependence (smoking)	10,393	6.5%	829	9.5%	8,691	6.0%	3.496	0.131
Obesity	22,526	14.0%	1,923	22.0%	18,856	13.0%	9.009	0.239
Psychosis or psychotic disorder	1,267	0.8%	51	0.6%	1,071	0.7%	-0.155	-0.019
Rheumatological and inflammatory disease	6,273	3.9%	485	5.6%	5,356	3.7%	1.858	0.089

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Oxygen support</b>								
Oxygen use	979	0.6%	121	1.4%	699	0.5%	0.903	0.094
<b>Frailty measures</b>								
Arthritis	13,821	8.6%	1,130	12.9%	11,419	7.9%	5.060	0.166
Chronic skin ulcer	1,436	0.9%	73	0.8%	1,142	0.8%	0.048	0.005
Cognitive impairment	5,256	3.3%	195	2.2%	4,334	3.0%	-0.758	-0.048
Congestive heart failure	5,084	3.2%	377	4.3%	3,896	2.7%	1.629	0.089
Depression	18,493	11.5%	1,187	13.6%	16,119	11.1%	2.470	0.075
Falls	2,253	1.4%	151	1.7%	1,870	1.3%	0.439	0.036
Gout	2,576	1.6%	206	2.4%	2,065	1.4%	0.934	0.069
Impaired mobility	242	0.2%	17	0.2%	190	0.1%	0.064	0.016
Musculoskeletal problems	36,370	22.6%	2,645	30.3%	31,320	21.6%	8.676	0.199
Mycoses	8,858	5.5%	536	6.1%	7,559	5.2%	0.922	0.040
Paranoia	1,232	0.8%	56	0.6%	1,041	0.7%	-0.077	-0.009
Parkinson's disease	701	0.4%	37	0.4%	569	0.4%	0.031	0.005
Pneumonia	2,657	1.7%	191	2.2%	2,182	1.5%	0.681	0.051
Skin or soft tissue infections	4,545	2.8%	310	3.5%	3,883	2.7%	0.870	0.050
Stroke	2,369	1.5%	133	1.5%	1,898	1.3%	0.213	0.018
Urinary tract infection	9,147	5.7%	623	7.1%	7,792	5.4%	1.757	0.073
Any frailty measure	65,251	40.6%	4,424	50.7%	56,419	38.9%	11.728	0.237

**Table 1a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<b>Health service utilization intensity assessed in the 183 days prior to (and not including date of) COVID-19 identification</b>								
Mean number of ambulatory encounters	5.6	8.5	6.3	8.2	5.4	8.2	0.9	0.110
Mean number of emergency room encounters	0.2	0.8	0.2	0.7	0.2	0.7	0.0	0.000
Mean number of inpatient hospital encounters	0	0.2	0	0.2	0	0.2	0.0	0.000
Mean number of non-acute institutional encounters	0	0	0	0	0	0	0.0	--
Mean number of other ambulatory encounters	0.9	3.3	0.9	2.5	0.8	3.2	0.1	0.035
Mean number of unique drug classes	3.5	3.7	5.1	4.2	3.3	3.6	1.8	0.460
Mean number of generics	3.7	4	5.3	4.6	3.4	3.8	1.9	0.450
Mean number of filled prescriptions	8.8	13.7	12.4	16.4	8.2	12.9	4.2	0.285

<sup>1</sup>The cohorts of corticosteroid treatment initiators (n=8,733) and non-initiators (n=144,922) are not a complete summation of the total patients with outpatient-identified COVID-19. Neither initiator nor non-initiator cohorts include patients with outpatient-identified COVID-19 who 1) did not initiate corticosteroid treatment within 10 days of identification and were hospitalized during that same time period, or 2) did not initiate corticosteroid treatment within 10 days of identification and disenrolled from the database or died in that same time period.

<sup>2</sup>See Appendix H for a list of states and U.S. territories per Census Bureau (CB) region.

<sup>3</sup>The Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date. (Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. J Clin Epidemiol. 2011;64(7):749-759)

**Table 1b. Clinical Characteristics for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Characteristic	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Number of unique patients	160,693		8,733		144,922		--	--
<b>Assessed on the date of COVID-19 identification</b>								
COVID-19 diagnosis	120,731	75.1%	6,953	79.6%	108,324	74.7%	4.871	0.116
Positive SARS-CoV-2 PCR specimen collected	39,962	24.9%	1,780	20.4%	36,598	25.3%	-4.871	-0.116
Acute respiratory distress syndrome	106	0.1%	17	0.2%	64	0.0%	0.151	0.044
Acute respiratory failure	771	0.5%	109	1.2%	313	0.2%	1.032	0.121
Dyspnea	9,646	6.0%	1,528	17.5%	6,685	4.6%	12.884	0.420
Loss of taste or smell	962	0.6%	68	0.8%	869	0.6%	0.179	0.022
Oxygen use	215	0.1%	45	0.5%	113	0.1%	0.437	0.080
Pneumonia	5,181	3.2%	671	7.7%	3,689	2.5%	5.138	0.235
Shock	63	0.0%	5	0.1%	34	0.0%	0.034	0.017
<b>Assessed in the 2 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis	123,517	76.9%	7,103	81.3%	110,520	76.3%	5.073	0.124
Acute respiratory distress syndrome	351	0.2%	38	0.4%	85	0.1%	0.376	0.076
Acute respiratory failure	2,039	1.3%	231	2.6%	393	0.3%	2.374	0.199
Dyspnea	11,491	7.2%	1,792	20.5%	7,335	5.1%	15.459	0.476
Loss of taste or smell	1,015	0.6%	72	0.8%	908	0.6%	0.198	0.023
Oxygen use	505	0.3%	89	1.0%	176	0.1%	0.898	0.119
Pneumonia	6,942	4.3%	856	9.8%	3,989	2.8%	7.049	0.294
Shock	283	0.2%	21	0.2%	41	0.0%	0.212	0.058

**Table 1b. Clinical Characteristics for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Clinical characteristics	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Assessed in the 7 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis syndrome	127,946	79.6%	7,583	86.8%	113,563	78.4%	8.470	0.225
Acute respiratory failure	4,538	2.8%	641	7.3%	504	0.3%	6.992	0.370
Dyspnea	15,748	9.8%	2,573	29.5%	8,851	6.1%	23.356	0.641
Loss of taste or smell	1,119	0.7%	86	1.0%	975	0.7%	0.312	0.034
Oxygen use	1,220	0.8%	220	2.5%	319	0.2%	2.299	0.199
Pneumonia	10,544	6.6%	1,478	16.9%	4,636	3.2%	13.725	0.469
Shock	616	0.4%	67	0.8%	56	0.0%	0.729	0.115
<b>Assessed in the 10 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis syndrome	129,511	80.6%	7,746	88.7%	114,750	79.2%	9.518	0.261
Acute respiratory failure	5,395	3.4%	814	9.3%	562	0.4%	8.933	0.425
Dyspnea	17,252	10.7%	2,880	33.0%	9,458	6.5%	26.452	0.704
Loss of taste or smell	1,155	0.7%	91	1.0%	1,003	0.7%	0.350	0.038
Oxygen use	1,609	1.0%	297	3.4%	373	0.3%	3.144	0.236
Pneumonia	11,810	7.3%	1,752	20.1%	4,889	3.4%	16.688	0.537
Shock	735	0.5%	85	1.0%	62	0.0%	0.931	0.131



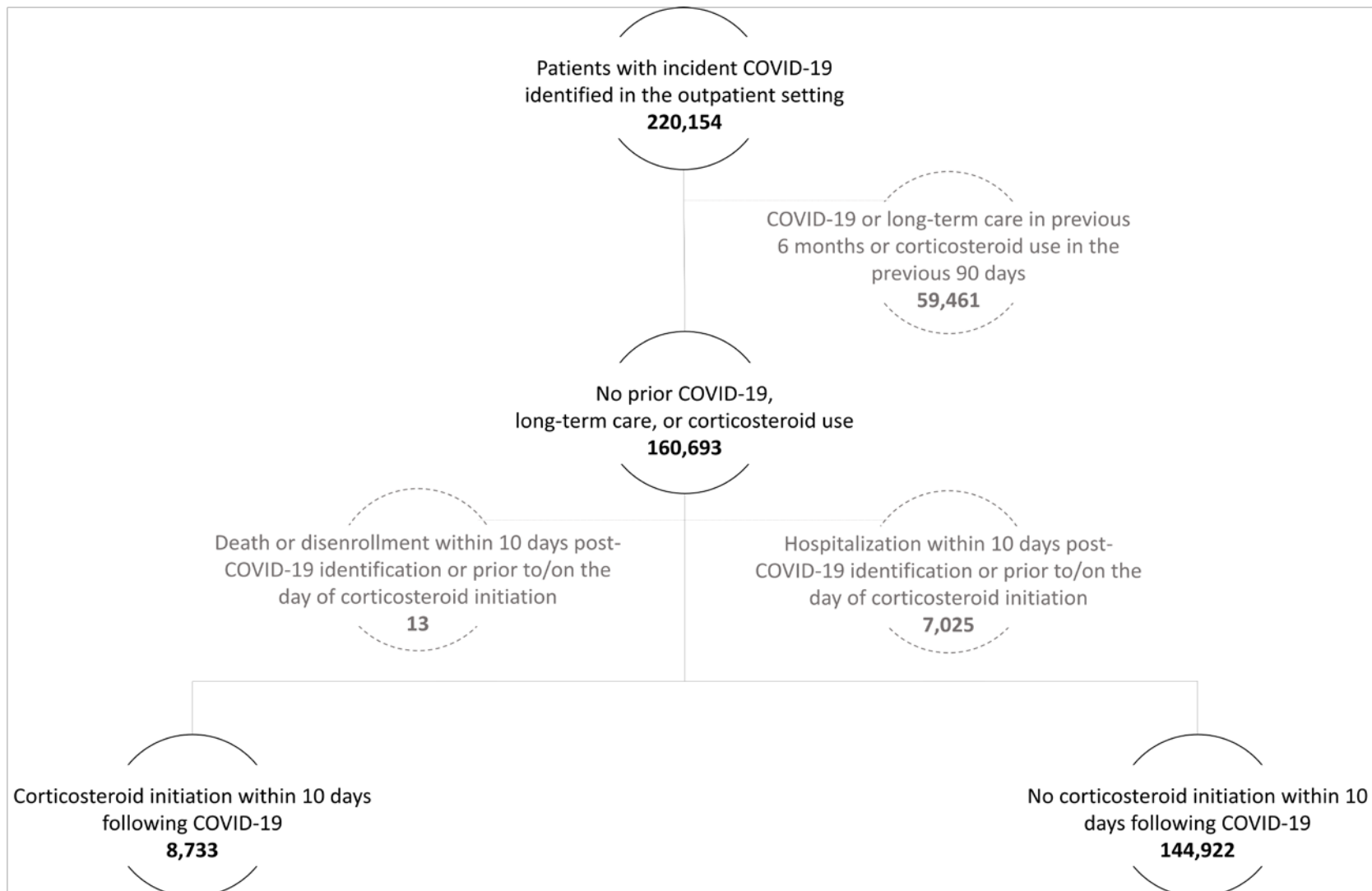
**Table 1b. Clinical Characteristics for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Use of outpatient concomitant therapies	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Dispensed or administered in the 10 days after (and including date of) COVID-19 identification</b>								
Anticoagulants, injection	1,039	0.6%	303	3.5%	580	0.4%	3.069	0.224
Anticoagulants, oral	1,604	1.0%	178	2.0%	1,025	0.7%	1.331	0.115
Antiplatelets	1,021	0.6%	114	1.3%	775	0.5%	0.771	0.081
Azithromycin	14,080	8.8%	4,148	47.5%	8,615	5.9%	41.553	1.064
Chloroquine	2	0.0%	1	0.0%	0	0.0%	0.011	0.015
Convalescent plasma	9	0.0%	3	0.0%	1	0.0%	0.034	0.025
Corticosteroids, inhaled	2,101	1.3%	526	6.0%	1,409	1.0%	5.051	0.278
Hydroxychloroquine	1,343	0.8%	329	3.8%	861	0.6%	3.173	0.219
Remdesivir	16	0.0%	8	0.1%	0	0.0%	0.092	0.043

<sup>1</sup>The cohorts of corticosteroid treatment initiators (n=8,733) and non-initiators (n=144,922) are not a complete summation of the total patients with outpatient-identified COVID-19. Neither initiator nor non-initiator cohorts include patients with outpatient-identified COVID-19 who 1) did not initiate corticosteroid treatment within 10 days of identification and were hospitalized during that same time period, or 2) did not initiate corticosteroid treatment within 10 days of identification and disenrolled from the database or died in that same time period.

<sup>2</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings. HCPCS codes and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

**Figure 1. Cohort Attrition Diagram for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**



**Table 2. Summary of Time to Outpatient Corticosteroid Treatment Initiation and Time to Hospitalization Within 10 days of Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

	Number	Percent	Minimum	Q1	Median	Q3	Maximum	Mean	Standard deviation
Total patients with outpatient-identified COVID-19	160,693	--	--	--	--	--	--	--	--
Descriptive statistics of time to corticosteroid treatment initiation from COVID-19 identification (N=8,733)									
Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation	8,733	5.4%	0	0	0	4	10	2	3
Descriptive statistics of time to hospitalization <sup>1</sup> from COVID-19 identification (N=7,025)									
Patients with outpatient-identified COVID-19 who were hospitalized <sup>1</sup> within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation	7,025	4.4%	1	1	4	6	10	4	3

<sup>1</sup>Patients who were hospitalized within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation were excluded from being considered either corticosteroid treatment initiators or non-initiators. Patients who were hospitalized on the date of COVID-19 identification (day 0) were excluded from the analysis, and thus a minimum value of day 1 (the day after COVID-19 identification).

Figure 2. Histograms of time to outpatient corticosteroid treatment initiation and time to hospitalization within 10 days of outpatient-identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database between April 1, 2020 and September 30, 2020

Figure 2a. Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation (n=8,733)

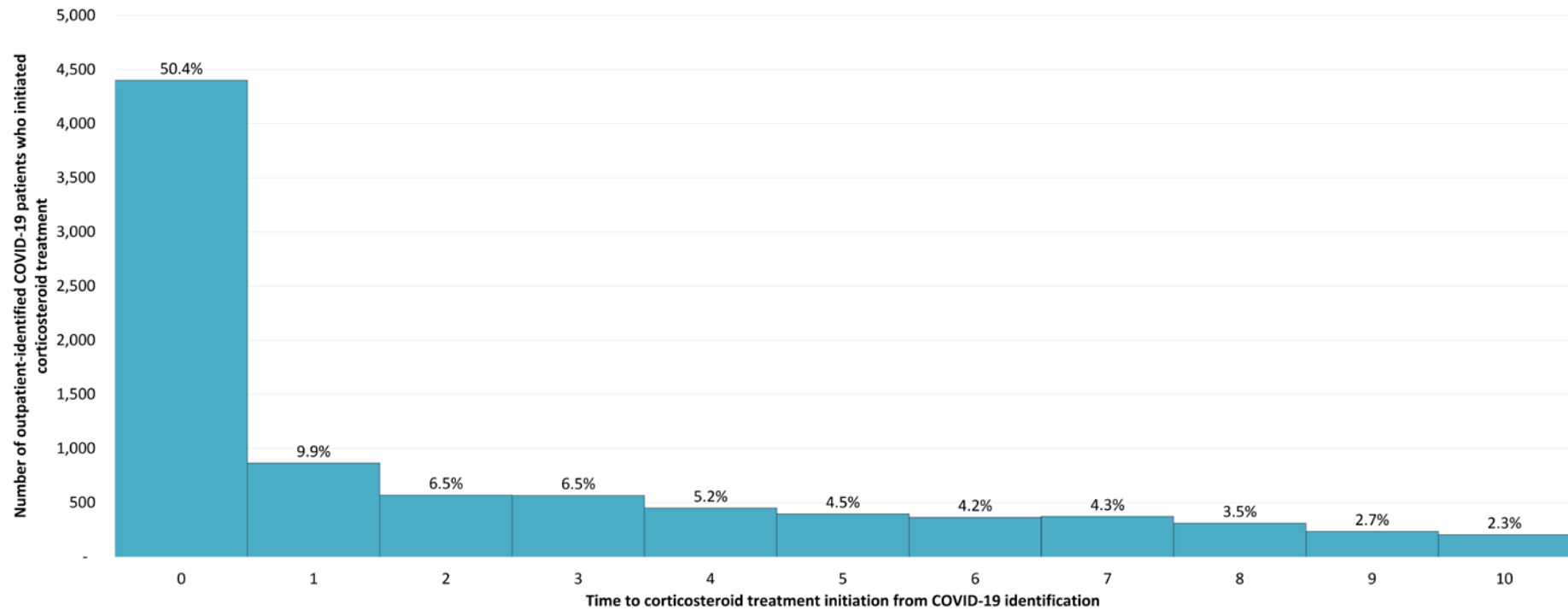
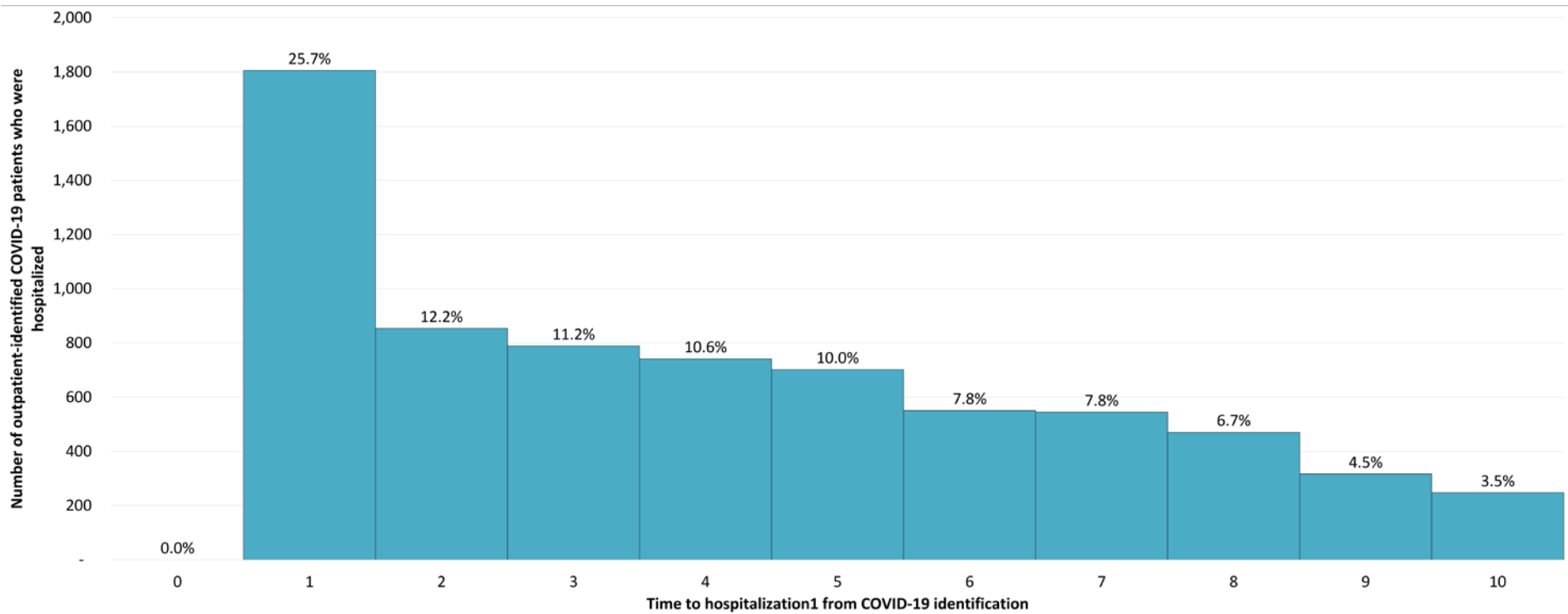


Figure 2b. Patients with outpatient-identified COVID-19 who were hospitalized<sup>1</sup> within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation (n=7,025)



<sup>1</sup>Patients who were hospitalized within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation were excluded from being considered either corticosteroid treatment initiators or non-initiators. Patients who were hospitalized on the date of COVID-19 identification (day 0) were excluded from the analysis, and thus a minimum value of day 1 (the day after COVID-19 identification).

**Table 3. Distribution of Corticosteroid Treatment Initiation and Health Service Utilization Among Patients with Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
Characteristic	Number	Percent
Number of unique patients	8,733	--
<b>Health service utilization</b>		
<b>Assessed in the 10 days prior to (not including) corticosteroid treatment initiation<sup>1</sup></b>		
Any encounter	5,840	66.9%
Emergency department (ED)	1,265	14.5%
Office visit: Ambulatory visit (AV) or other ambulatory visit (OA)	5,581	63.9%
No encounters	2,893	33.1%
<b>Assessed only on the date of corticosteroid treatment initiation<sup>1</sup></b>		
Any encounter	7,103	81.3%
Emergency department (ED)	2,191	25.1%
Office visit: Ambulatory visit (AV) or other ambulatory visit (OA)	6,347	72.7%
No encounters	1,630	18.7%
<b>Any corticosteroid initiated at a pharmacy</b>		
Any NDC dispensing <sup>2,3</sup>	6,531	74.8%
<b>Generic name and route of administration<sup>3</sup></b>		
Betamethasone, injection	0	0.0%
Betamethasone, oral	0	0.0%
Cortisone, oral	0	0.0%
Dexamethasone, injection	6	0.1%
Dexamethasone, intravenous	0	0.0%
Dexamethasone, oral	1,445	16.5%
Hydrocortisone, injection	0	0.0%
Hydrocortisone, oral	5	0.1%
Methylprednisolone, injection	1	0.0%
Methylprednisolone, intravenous	0	0.0%
Methylprednisolone, oral	2,142	24.5%
Prednisolone, injection	0	0.0%
Prednisolone, oral	27	0.3%
Prednisone, oral	2,916	33.4%
Triamcinolone, injection	1	0.0%
Triamcinolone, oral	0	0.0%

**Table 3. Distribution of Corticosteroid Treatment Initiation and Health Service Utilization Among Patients with Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
Characteristic	Number	Percent
<b>Any corticosteroid administered in an outpatient facility</b>		
Any procedure code <sup>3,4</sup> : HCPCS or NDC procedure <sup>5</sup>	2,785	31.9%
<b>Care setting of administration of outpatient procedure code<sup>3</sup></b>		
Ambulatory visit (AV)	1,300	14.9%
Other ambulatory visit (OA)	6	0.1%
Emergency department (ED)	1,480	16.9%

<sup>1</sup>Corticosteroid treatment initiation occurred within the 10 days after and including COVID-19 identification.

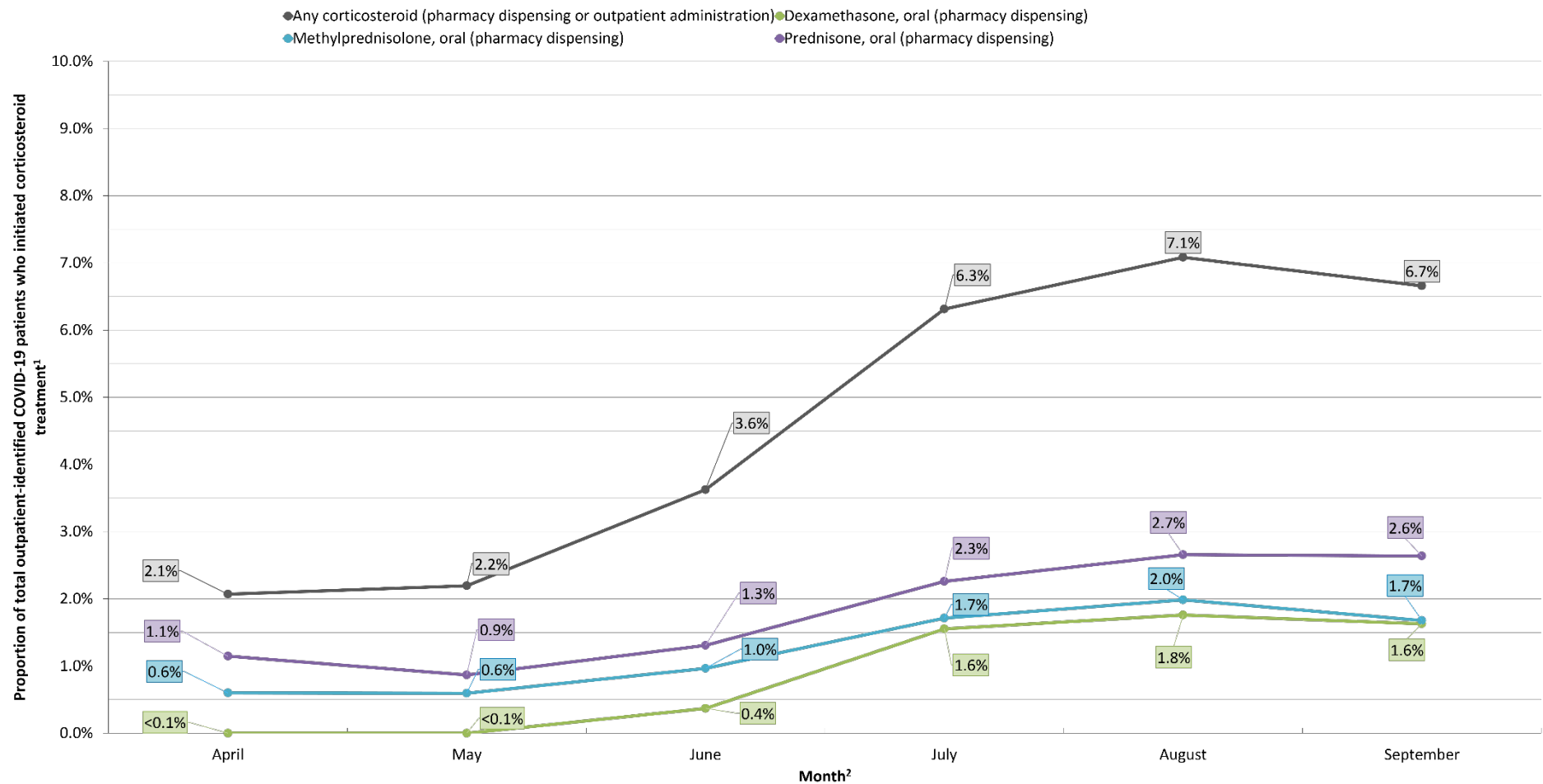
<sup>2</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings.

<sup>3</sup>A patient may have had multiple corticosteroid NDC dispensings and/or corticosteroid procedure codes recorded on the same date.

<sup>4</sup>HCPCS and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

<sup>5</sup>Two participating Data Partners populate NDCs in both the dispensing table and the procedure table.

**Figure 3. Proportion of Outpatient-Identified COVID-19 Patients Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification by Generic Name and Month in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

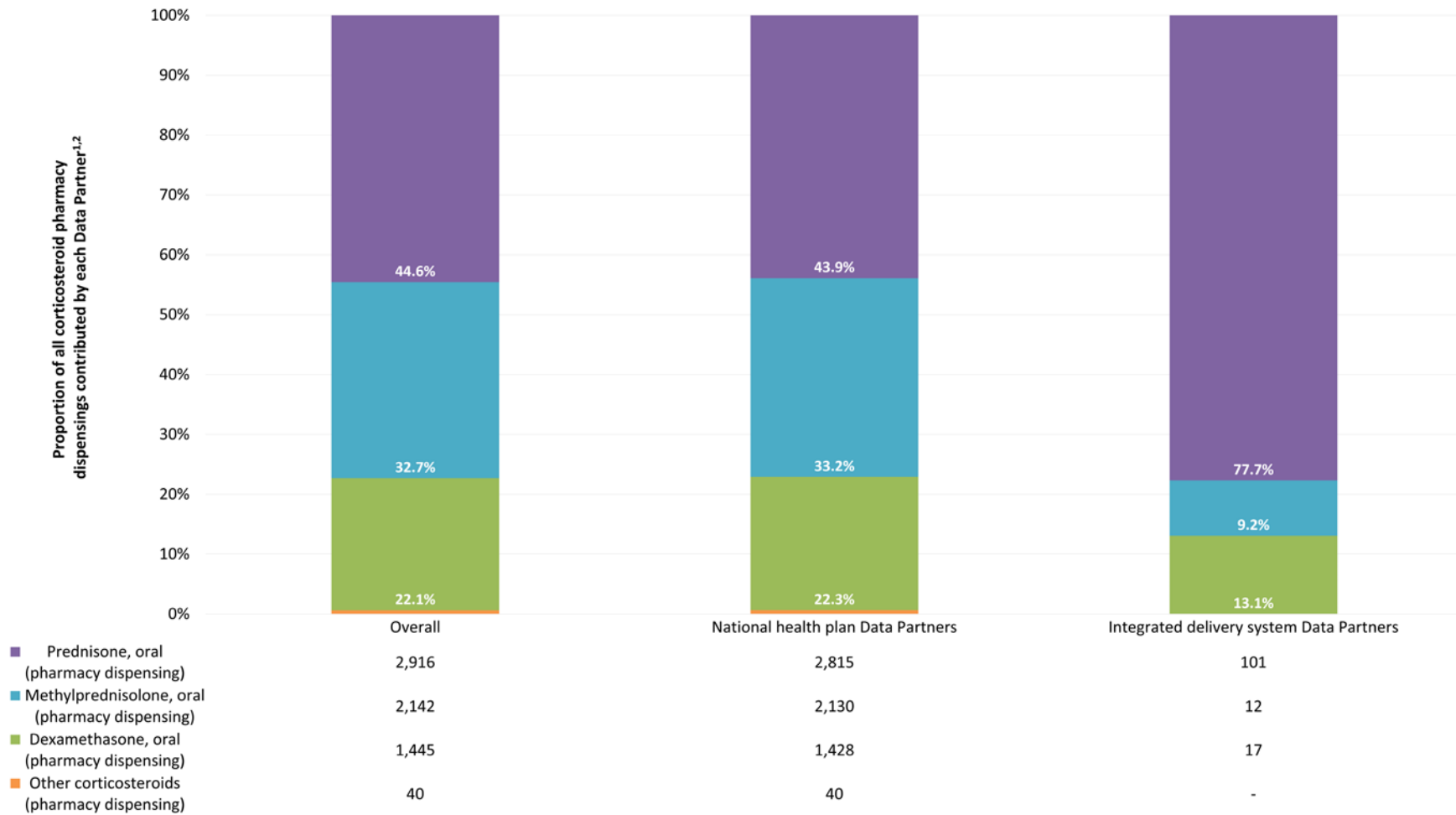


<sup>1</sup>Patients must have initiated corticosteroid treatment within 10 days of COVID-19 identification and not have been hospitalized in the 10 days prior to treatment initiation in order to be counted as an initiator.

<sup>2</sup>The denominator used for these calculations includes non-initiators in the month in which their COVID-19 was identified and corticosteroid treatment initiators in the month in which their treatment began. The 145 patients who initiated corticosteroid treatment between October 1-10, 2020 were excluded from these calculations. Thus, the total number of corticosteroid initiators in this figure is 8,588 patients.



**Figure 4. Distribution of Corticosteroid Pharmacy Dispensings Among Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 days of COVID-19 Identification by Generic Name and Data Partner in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**



<sup>1</sup>Of the four participating Data Partners to this analysis, two are national health plan Data Partners and two are integrated delivery system Data Partners.

<sup>2</sup>Integrated delivery system Data Partners contributed <2% of all corticosteroid pharmacy dispensings.

**Table 4. Proportion of Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification and Developed Complications Within 30 Days of Corticosteroid Treatment Initiation in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
Characteristic	Number	Percent
Number of unique patients	8,733	--
<b>Hospitalization<sup>1,2</sup> in the 30 days after corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
All-cause hospitalization	1,113	12.7%
COVID-19 hospitalization, any diagnostic position	1,019	11.7%
COVID-19 hospitalization, primary diagnostic position	798	9.1%
<b>Hospitalization<sup>1,2</sup> in the 2 days after corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
COVID-19 hospitalization, any diagnostic position	291	3.3%
COVID-19 hospitalization, primary diagnostic position	222	2.5%
<b>Hospitalization<sup>1,2</sup> in the 2 days after corticosteroid treatment initiated via outpatient administrations in the Emergency Department (ED) only<sup>4</sup></b>		
<b>Total patients who initiated corticosteroid treatment via outpatient administrations in the ED</b>	1,569	18.0%
COVID-19 hospitalization, any diagnostic position <sup>5</sup>	128	8.2%
COVID-19 hospitalization, primary diagnostic position <sup>5</sup>	101	6.4%
<b>Complications of interest developed within 30 days of corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
<b>Any complication, any care setting</b>	3,879	44.4%
Hyperglycemia, any care setting	551	6.3%
Ketoacidosis, any care setting	15	0.2%
Psychosis or psychotic disorder, any care setting	15	0.2%
Severe infection, any care setting	3,736	42.8%
Bacterial infection, any care setting	636	7.3%
Secondary viral infection, any care setting	2,372	27.2%
Fungal infection, any care setting	99	1.1%
Other infection, any care setting	2,579	29.5%
Severe infection, inpatient hospital stay	948	10.9%
Bacterial infection, inpatient hospital stay	379	4.3%
Secondary viral infection, inpatient hospital stay	897	10.3%
Fungal infection, inpatient hospital stay	31	0.4%
Other infection, inpatient hospital stay	696	8.0%

<sup>1</sup>Hospitalization is defined as an inpatient hospital stay (IP) or a non-acute institutional stay (IS).

<sup>2</sup>Any patients who may have been hospitalized on the date of corticosteroid treatment initiation were excluded from the corticosteroid initiator cohort.

<sup>3</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings. HCPCS codes and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

<sup>4</sup>HCPCS codes and NDCs in the procedure table restricted to only the ED care setting.

<sup>5</sup>The denominator is those patients who initiated corticosteroid treatment in the ED care setting (N=1,569).

**Table 5. Proportion of Patients With Outpatient-Identified COVID-19 Who Did Not Initiate Corticosteroid Treatment Within 10 Days of COVID-19 Identification and Were Hospitalized Days 11 to 40 After COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and September 30, 2020**

Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification

Characteristic	Number	Percent
Number of unique patients	144,922	--
<b>Hospitalization<sup>1</sup> days 11 to 40 after COVID-19 identification</b>		
All-cause hospitalization	2,379	1.6%
COVID-19 hospitalization, any diagnostic position	1,008	0.7%
COVID-19 hospitalization, primary diagnostic position	552	0.4%

<sup>1</sup>Hospitalization is defined as an inpatient hospital stay (IP) or a non-acute institutional stay (IS).

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Characteristic	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number		Number		Number		Absolute Difference	Standardized Difference
Number of unique patients	208,460		12,705		186,828		--	--
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<b>Age</b>								
Mean Age (Years)	49.3	19.8	57.0	16.9	47.8	19.8	9.2	0.500
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
0-17	13,200	6.3%	197	1.6%	12,969	6.9%	-5.391	-0.270
18-44	77,131	37.0%	3,125	24.6%	73,168	39.2%	-14.567	-0.316
45-64	55,758	26.7%	4,136	32.6%	49,646	26.6%	5.981	0.131
65-74	37,386	17.9%	3,265	25.7%	31,166	16.7%	9.017	0.222
75-79	11,344	5.4%	1,040	8.2%	9,049	4.8%	3.342	0.136
80+	13,641	6.5%	942	7.4%	10,830	5.8%	1.618	0.065
<b>Sex</b>								
Female	112,768	54.1%	6,977	54.9%	101,474	54.3%	0.601	0.012
Male	95,692	45.9%	5,728	45.1%	85,354	45.7%	-0.601	-0.012
<b>Race</b>								
Unknown	119,233	57.2%	6,835	53.8%	108,945	58.3%	-4.515	-0.091
American Indian or Alaska Native	614	0.3%	46	0.4%	532	0.3%	0.077	0.014
Asian	4,173	2.0%	178	1.4%	3,825	2.0%	-0.646	-0.050
Black or African American	15,903	7.6%	1,004	7.9%	13,555	7.3%	0.647	0.024
Native Hawaiian or Other Pacific Islander	918	0.4%	60	0.5%	777	0.4%	0.056	0.008
White	67,619	32.4%	4,582	36.1%	59,194	31.7%	4.381	0.093
<b>Ethnicity</b>								
Hispanic Origin	13,404	6.4%	860	6.8%	12,068	6.5%	0.310	0.012

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Census Bureau (CB) region <sup>2</sup>	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Northeast	40,640	19.5%	947	7.5%	38,716	20.7%	-13.269	-0.389
Midwest	42,203	20.2%	2,067	16.3%	38,106	20.4%	-4.127	-0.107
South	90,886	43.6%	8,480	66.7%	77,569	41.5%	25.226	0.523
West	34,077	16.3%	1,178	9.3%	31,839	17.0%	-7.770	-0.231
Invalid	331	0.2%	15	0.1%	309	0.2%	-0.047	-0.013
Missing	5	0.0%	0	0.0%	5	0.0%	-0.003	-0.007
Other	318	0.2%	18	0.1%	284	0.2%	-0.010	-0.003
<b>Health &amp; Human Services (HHS) region</b>								
#01: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	5,044	2.4%	93	0.7%	4,819	2.6%	-1.847	-0.145
#02: New Jersey, New York, Puerto Rico, Virgin Islands	29,298	14.1%	640	5.0%	28,092	15.0%	-9.999	-0.337
#03: Delaware, Maryland, Pennsylvania, Virginia, West Virginia, District of Columbia	15,408	7.4%	642	5.1%	14,058	7.5%	-2.471	-0.102
#04: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee	48,175	23.1%	4,530	35.7%	40,937	21.9%	13.744	0.307

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute difference	Standardized difference
#05: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin	33,087	15.9%	1,321	10.4%	30,297	16.2%	-5.819	-0.172
#06: Arkansas, Louisiana, New Mexico, Oklahoma, Texas	33,937	16.3%	3,552	28.0%	28,661	15.3%	12.617	0.310
#07: Iowa, Kansas, Missouri, Nebraska	8,560	4.1%	707	5.6%	7,332	3.9%	1.640	0.077
#08: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming	3,864	1.9%	206	1.6%	3,463	1.9%	-0.232	-0.018
#09: Arizona, California, Hawaii, Nevada, American Samoa, Federated States of Micronesia, Guam, Palau	22,369	10.7%	893	7.0%	20,822	11.1%	-4.116	-0.144
#10: Alaska, Idaho, Oregon, Washington	8,377	4.0%	106	0.8%	8,028	4.3%	-3.463	-0.220
#11: Northern Mariana Islands, Marshall Islands	5	0.0%	0	0.0%	5	0.0%	-0.003	-0.007
Invalid	331	0.2%	15	0.1%	309	0.2%	-0.047	-0.013
Missing	5	0.0%	0	0.0%	5	0.0%	-0.003	-0.007
Other	0	0.0%	0	0.0%	0	0.0%	0.000	0.000

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Month of COVID-19 identification	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
April 2020	13,357	6.4%	295	2.3%	12,173	6.5%	-4.194	-0.205
May 2020	15,440	7.4%	355	2.8%	14,421	7.7%	-4.925	-0.222
June 2020	25,482	12.2%	1,051	8.3%	23,381	12.5%	-4.242	-0.139
July 2020	46,928	22.5%	2,968	23.4%	41,908	22.4%	0.930	0.022
August 2020	30,825	14.8%	2,148	16.9%	27,368	14.6%	2.258	0.062
September 2020	28,661	13.7%	1,916	15.1%	25,671	13.7%	1.340	0.038
October 2020	47,767	22.9%	3,972	31.3%	41,906	22.4%	8.833	0.200
<b>Clinical history assessed in the 183 days prior to (and not including date of) COVID-19 identification</b>								
	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Absolute Difference</b>	<b>Standardized Difference</b>
Charlson/Elixhauser combined comorbidity score <sup>3</sup>	0.6	1.5	0.8	1.7	0.5	1.4	0.3	0.193
<b>Drug use defined via National Drug Codes (NDC) only</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Absolute Difference</b>	<b>Standardized Difference</b>
Anticoagulants, injection	753	0.4%	57	0.4%	600	0.3%	0.127	0.021
Anticoagulants, oral	6,365	3.1%	530	4.2%	5,044	2.7%	1.472	0.081
Corticosteroids, inhaled	6,876	3.3%	987	7.8%	5,408	2.9%	4.874	0.218
Hydroxychloroquine	1,407	0.7%	123	1.0%	1,216	0.7%	0.317	0.035
<b>Cerebrovascular disease</b>								
Hospitalized stroke or transient ischemic attack	325	0.2%	12	0.1%	266	0.1%	-0.048	-0.014
Other hospitalized cerebrovascular disease	421	0.2%	22	0.2%	321	0.2%	0.001	0.000
Non-hospitalized cerebrovascular disease	6,303	3.0%	508	4.0%	5,046	2.7%	1.298	0.072

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Cardiovascular disease</b>								
Atrial fibrillation	7,324	3.5%	605	4.8%	5,817	3.1%	1.648	0.085
Congestive heart failure	6,814	3.3%	578	4.5%	5,194	2.8%	1.769	0.094
Coronary revascularization	3,228	1.5%	320	2.5%	2,475	1.3%	1.194	0.087
Hospitalized acute myocardial infarction	313	0.2%	22	0.2%	228	0.1%	0.051	0.013
Hypertension	62,436	30.0%	5,514	43.4%	51,340	27.5%	15.920	0.338
<b>Pulmonary disease</b>								
Asthma	8,780	4.2%	994	7.8%	7,323	3.9%	3.904	0.167
Bronchiectasis	357	0.2%	36	0.3%	280	0.1%	0.133	0.029
Chronic obstructive pulmonary disease	7,749	3.7%	1,074	8.5%	5,744	3.1%	5.379	0.232
Hypersensitivity pneumonitis	150	0.1%	18	0.1%	114	0.1%	0.081	0.025
Interstitial lung disease	895	0.4%	94	0.7%	701	0.4%	0.365	0.049
<b>Cancer</b>								
Hematological malignancy	1,112	0.5%	84	0.7%	900	0.5%	0.179	0.024
Solid malignancy	11,608	5.6%	935	7.4%	9,832	5.3%	2.097	0.086
<b>Immunosuppression</b>								
Immunodeficiency	9,944	4.8%	721	5.7%	8,455	4.5%	1.149	0.052
Immunosuppressants	4,351	2.1%	367	2.9%	3,613	1.9%	0.955	0.062



**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Other conditions</b>								
Chronic kidney disease	12,333	5.9%	1,035	8.1%	9,589	5.1%	3.014	0.121
Chronic liver disease	3,807	1.8%	332	2.6%	3,151	1.7%	0.927	0.064
Diabetes	32,251	15.5%	2,710	21.3%	26,147	14.0%	7.335	0.193
Hyperglycemia	11,869	5.7%	1,038	8.2%	9,579	5.1%	3.043	0.122
Ketoacidosis	127	0.1%	9	0.1%	100	0.1%	0.017	0.007
Neurological conditions	8,403	4.0%	462	3.6%	6,899	3.7%	-0.056	-0.003
Nicotine dependence (smoking)	13,688	6.6%	1,245	9.8%	11,313	6.1%	3.744	0.139
Obesity	28,811	13.8%	2,750	21.6%	23,858	12.8%	8.875	0.237
Psychosis or psychotic disorder	1,541	0.7%	70	0.6%	1,295	0.7%	-0.142	-0.018
Rheumatological and inflammatory disease	8,070	3.9%	698	5.5%	6,819	3.6%	1.844	0.088
<b>Oxygen support</b>								
Oxygen use	1,294	0.6%	194	1.5%	885	0.5%	1.053	0.106

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Frailty Measures</b>								
Arthritis	18,049	8.7%	1,683	13.2%	14,747	7.9%	5.353	0.175
Chronic skin ulcer	1,773	0.9%	103	0.8%	1,403	0.8%	0.060	0.007
Cognitive impairment	6,441	3.1%	312	2.5%	5,246	2.8%	-0.352	-0.022
Congestive heart failure	6,482	3.1%	556	4.4%	4,932	2.6%	1.736	0.094
Depression	23,946	11.5%	1,727	13.6%	20,720	11.1%	2.503	0.076
Falls	2,891	1.4%	223	1.8%	2,378	1.3%	0.482	0.040
Gout	3,366	1.6%	334	2.6%	2,650	1.4%	1.210	0.086
Impaired mobility	281	0.1%	18	0.1%	223	0.1%	0.022	0.006
Musculoskeletal problems	47,020	22.6%	3,866	30.4%	40,091	21.5%	8.970	0.206
Mycoses	11,018	5.3%	751	5.9%	9,324	5.0%	0.920	0.041
Paranoia	1,487	0.7%	72	0.6%	1,252	0.7%	-0.103	-0.013
Parkinson's disease	896	0.4%	56	0.4%	720	0.4%	0.055	0.009
Pneumonia	3,023	1.5%	239	1.9%	2,458	1.3%	0.566	0.045
Skin or soft tissue infections	5,928	2.8%	446	3.5%	5,034	2.7%	0.816	0.047
Stroke	2,948	1.4%	197	1.6%	2,334	1.2%	0.301	0.026
Urinary tract infection	11,457	5.5%	891	7.0%	9,667	5.2%	1.839	0.077
Any frailty measure	84,199	40.4%	6,473	50.9%	72,145	38.6%	12.333	0.250

**Table 6a. Aggregated Baseline Table for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Baseline characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<b>Health service utilization intensity assessed in the 183 days prior to (and not including date of) COVID-19 identification</b>								
Mean number of ambulatory encounters	5.6	8.4	6.5	8.3	5.3	8.1	1.2	0.146
Mean number of emergency room encounters	0.2	0.7	0.2	0.7	0.1	0.7	0.1	0.143
Mean number of inpatient hospital encounters	0	0.2	0	0.2	0	0.2	0.0	0.000
Mean number of non-acute institutional encounters	0	0	0	0	0	0	0.0	--
Mean number of unique drug classes	0.9	3.2	1	2.7	0.8	3.1	0.2	0.069
Mean number of generics	3.4	3.7	5.1	4.3	3.2	3.5	1.9	0.485
Mean number of filled prescriptions	3.6	3.9	5.4	4.6	3.4	3.8	2.0	0.474
	8.6	13.3	12.5	16	8	12.6	4.5	0.312

<sup>1</sup>The cohorts of corticosteroid treatment initiators (n=12,705) and non-initiators (n=186,826) are not a complete summation of the total patients with outpatient-identified COVID-19. Neither initiator nor non-initiator cohorts include patients with outpatient-identified COVID-19 who 1) did not initiate corticosteroid treatment within 10 days of identification and were hospitalized during that same time period, or 2) did not initiate corticosteroid treatment within 10 days of identification and disenrolled from the database or died in that same time period.

<sup>2</sup>See Appendix H for a list of states and U.S. territories per Census Bureau (CB) region.

<sup>3</sup>The Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date. (Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. J Clin Epidemiol. 2011;64(7):749-759)

**Table 6b. Clinical Characteristics for Patients With Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Characteristic	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number		Number		Number		Absolute Difference	Standardized Difference
Number of unique patients	208,460		12,705		186,828		--	--
Clinical characteristics	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Assessed on the date of COVID-19 identification</b>								
COVID-19 diagnosis	157,447	75.5%	10,306	81.1%	140,157	75.0%	6.098	0.148
Positive SARS-CoV-2 PCR specimen collected	51,013	24.5%	2,399	18.9%	46,671	25.0%	-6.099	-0.148
Acute respiratory distress syndrome	129	0.1%	24	0.2%	79	0.0%	0.147	0.043
Acute respiratory failure	1,031	0.5%	163	1.3%	433	0.2%	1.051	0.121
Dyspnea	12,136	5.8%	2,165	17.0%	8,186	4.4%	12.659	0.418
Loss of taste or smell	1,230	0.6%	91	0.7%	1,110	0.6%	0.122	0.015
Oxygen use	290	0.1%	69	0.5%	146	0.1%	0.465	0.084
Pneumonia	6,410	3.1%	951	7.5%	4,444	2.4%	5.107	0.237
Shock	85	0.0%	9	0.1%	46	0.0%	0.046	0.021
<b>Assessed in the 2 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis	161,465	77.5%	10,533	82.9%	143,410	76.8%	6.143	0.154
Acute respiratory distress syndrome	439	0.2%	55	0.4%	109	0.1%	0.375	0.076
Acute respiratory failure	2,688	1.3%	357	2.8%	549	0.3%	2.516	0.205
Dyspnea	14,516	7.0%	2,531	19.9%	9,035	4.8%	15.085	0.471
Loss of taste or smell	1,298	0.6%	95	0.7%	1,158	0.6%	0.128	0.016
Oxygen use	685	0.3%	142	1.1%	225	0.1%	0.997	0.127
Pneumonia	8,679	4.2%	1,237	9.7%	4,821	2.6%	7.156	0.301
Shock	361	0.2%	35	0.3%	57	0.0%	0.245	0.063

**Table 6b. Clinical Characteristics for Patients With Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Clinical characteristics	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Assessed in the 7 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis	167,043	80.1%	11,194	88.1%	147,207	78.8%	9.313	0.253
Acute respiratory distress syndrome	1,029	0.5%	161	1.3%	157	0.1%	1.183	0.145
Acute respiratory failure	6,089	2.9%	1,015	8.0%	722	0.4%	7.603	0.387
Dyspnea	20,191	9.7%	3,736	29.4%	10,961	5.9%	23.539	0.649
Loss of taste or smell	1,436	0.7%	117	0.9%	1,240	0.7%	0.257	0.029
Oxygen use	1,631	0.8%	359	2.8%	408	0.2%	2.607	0.214
Pneumonia	13,477	6.5%	2,212	17.4%	5,615	3.0%	14.405	0.490
Shock	788	0.4%	102	0.8%	78	0.0%	0.761	0.118
<b>Assessed in the 10 days after (and including date of) COVID-19 identification</b>								
COVID-19 diagnosis	168,950	81.0%	11,418	89.9%	148,630	79.6%	10.315	0.290
Acute respiratory distress syndrome	1,236	0.6%	203	1.6%	177	0.1%	1.503	0.165
Acute respiratory failure	7,291	3.5%	1,323	10.4%	806	0.4%	9.982	0.452
Dyspnea	22,231	10.7%	4,226	33.3%	11,745	6.3%	26.976	0.720
Loss of taste or smell	1,483	0.7%	123	1.0%	1,274	0.7%	0.286	0.032
Oxygen use	2,146	1.0%	477	3.8%	481	0.3%	3.497	0.251
Pneumonia	15,240	7.3%	2,675	21.1%	5,956	3.2%	17.867	0.569
Shock	940	0.5%	128	1.0%	93	0.0%	0.958	0.132

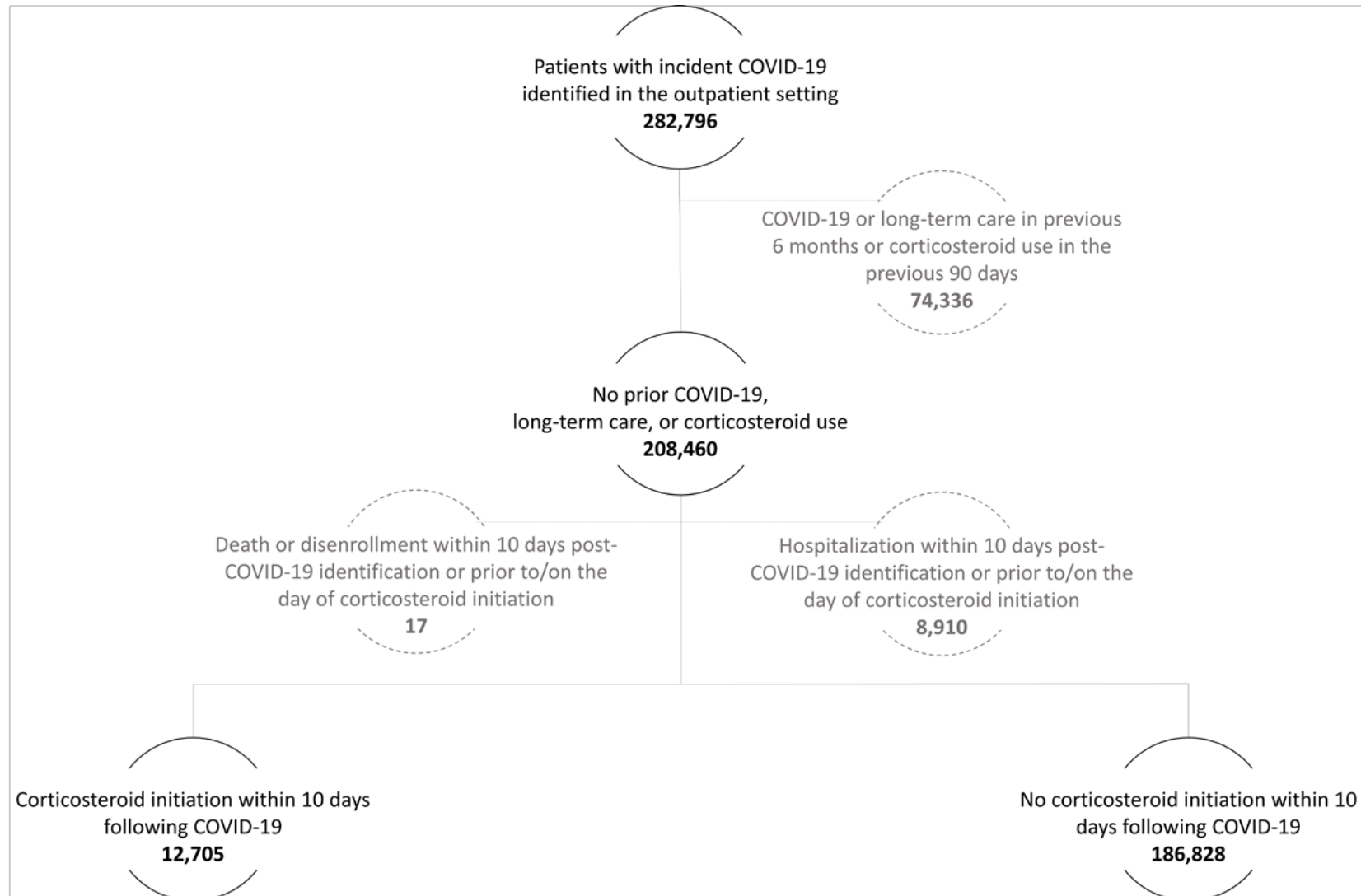
**Table 6b. Clinical Characteristics for Patients With Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Use of outpatient concomitant therapies <sup>2</sup>	Total patients with outpatient-identified COVID-19 <sup>1</sup>		Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification		Clinical characteristics balance between corticosteroid treatment initiator and corticosteroid treatment non-initiator cohorts	
	Number	Percent	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<b>Dispensed or administered in the 10 days after (and including date of) COVID-19 identification</b>								
Anticoagulants, injection	1,355	0.7%	451	3.5%	720	0.4%	3.164	0.229
Anticoagulants, oral	2,108	1.0%	274	2.2%	1,326	0.7%	1.447	0.122
Antiplatelets	1,267	0.6%	178	1.4%	930	0.5%	0.903	0.093
Azithromycin	18,403	8.8%	6,077	47.8%	10,712	5.7%	42.098	1.081
Chloroquine	4	0.0%	2	0.0%	1	0.0%	0.015	0.017
Convalescent plasma	14	0.0%	5	0.0%	1	0.0%	0.039	0.027
Corticosteroids, inhaled	2,794	1.3%	778	6.1%	1,812	1.0%	5.154	0.281
Hydroxychloroquine	1,623	0.8%	457	3.6%	1,001	0.5%	3.061	0.216
Remdesivir	28	0.0%	14	0.1%	0	0.0%	0.110	0.047

<sup>1</sup>The cohorts of corticosteroid treatment initiators (n=12,705) and non-initiators (n=186,826) are not a complete summation of the total patients with outpatient-identified COVID-19. Neither initiator nor non-initiator cohorts include patients with outpatient-identified COVID-19 who 1) did not initiate corticosteroid treatment within 10 days of identification and were hospitalized during that same time period, or 2) did not initiate corticosteroid treatment within 10 days of identification and disenrolled from the database or died in that same time period.

<sup>2</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings. HCPCS codes and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

Figure 5. Cohort Attrition Diagram for Patients with Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020



**Table 7. Summary of Time to Outpatient Corticosteroid Treatment Initiation and Time to Hospitalization Within 10 Days of Outpatient-Identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Number	Percent	Minimum	Q1	Median	Q3	Maximum	Mean	Standard deviation
Total patients with outpatient-identified COVID-19	208,457	--	--	--	--	--	--	--	--
Descriptive statistics of time to corticosteroid treatment initiation from COVID-19 identification (N=12,705)									
Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation	12,705	6.1%	0	0	0	4	10	2	3
Descriptive statistics of time to hospitalization <sup>1</sup> from COVID-19 identification (N=8,910)									
Patients with outpatient-identified COVID-19 who were hospitalized <sup>1</sup> within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation	8,910	4.3%	1	1	4	6	10	4	3

<sup>1</sup>Patients who were hospitalized within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation were excluded from being considered either corticosteroid treatment initiators or non-initiators. Patients who were hospitalized on the date of COVID-19 identification (day 0) were excluded from the analysis, and thus a minimum value of day 1 (the day after COVID-19 identification).



Figure 6. Histograms of time to outpatient corticosteroid treatment initiation and time to hospitalization within 10 days of outpatient-identified COVID-19 in the Rapid COVID-19 Sentinel Distributed Database between April 1, 2020 and October 31, 2020

Figure 6a. Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation (n=12,705)

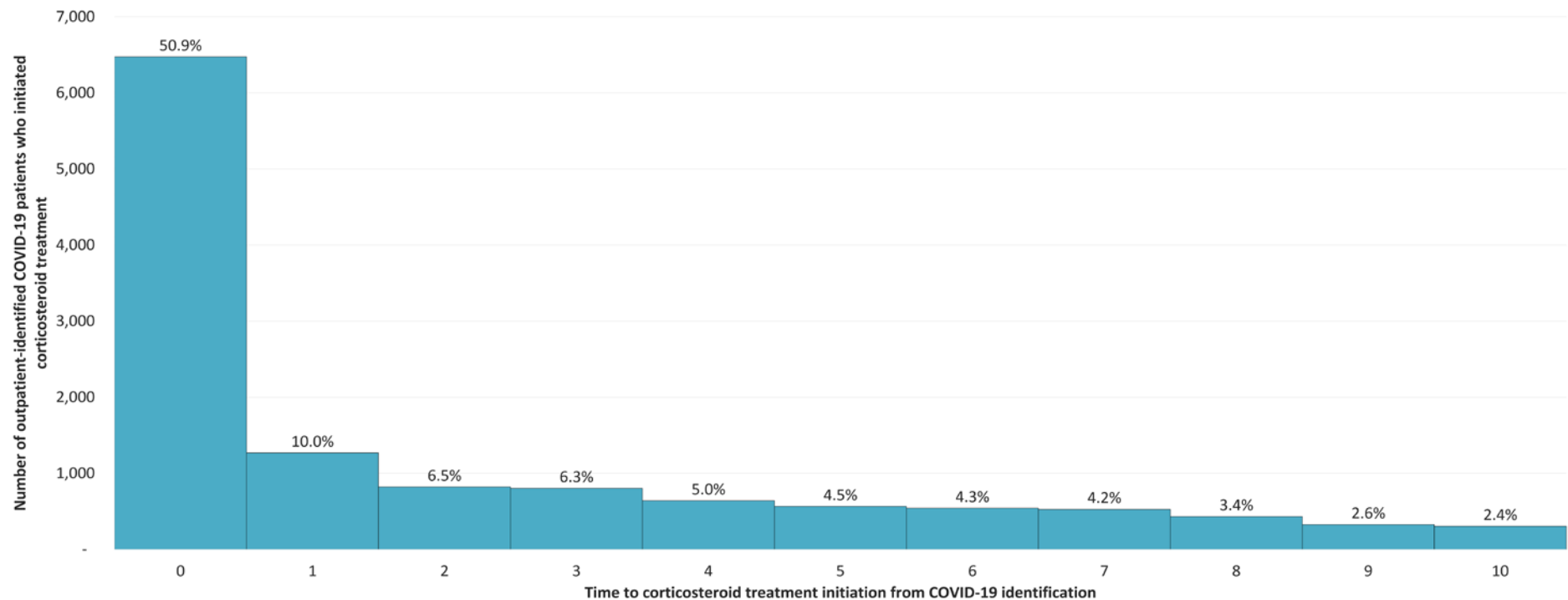
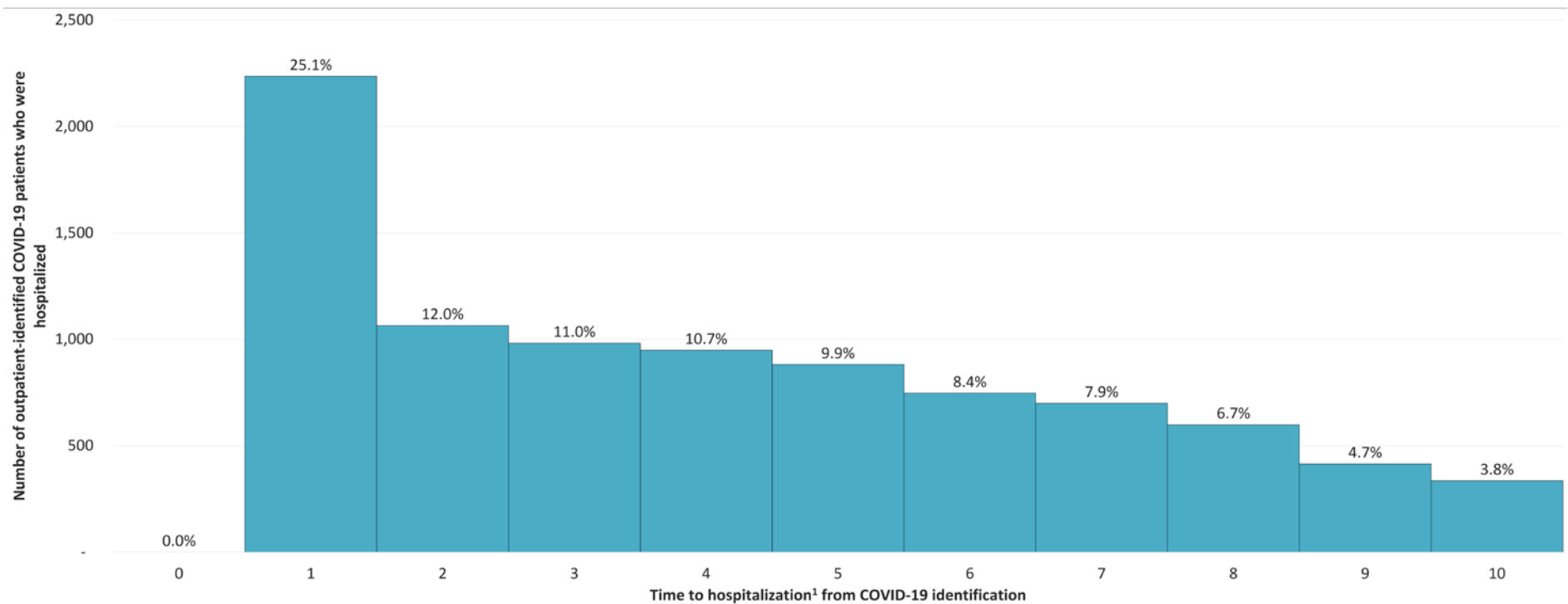


Figure 6b. Patients with outpatient-identified COVID-19 who were hospitalized<sup>1</sup> within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation (n=8,910)



<sup>1</sup>Patients who were hospitalized within 10 days of COVID-19 identification that preceded any potential corticosteroid treatment initiation were excluded from being considered either corticosteroid treatment initiators or non-initiators. Patients who were hospitalized on the date of COVID-19 identification (day 0) were excluded from the analysis, and thus a minimum value of day 1 (the day after COVID-19 identification).

**Table 8. Distribution of Corticosteroid Treatment Initiation and Health Service Utilization Among Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
Characteristic	Number	Percent
Number of unique patients	12,705	--
<b>Health service utilization</b>		
<b>Assessed in the 10 days prior to (not including) corticosteroid treatment initiation<sup>1</sup></b>		
Any encounter	8,520	67.1%
Emergency department (ED)	1,718	13.5%
Office visit: Ambulatory visit (AV) or other ambulatory visit (OA)	8,176	64.4%
No encounters	4,185	32.9%
<b>Assessed only on the date of corticosteroid treatment initiation<sup>1</sup></b>		
Any encounter	10,294	81.0%
Emergency department (ED)	3,195	25.1%
Office visit: Ambulatory visit (AV) or other ambulatory visit (OA)	9,229	72.6%
No encounters	2,411	19.0%
<b>Any corticosteroid initiated at a pharmacy</b>		
Any NDC dispensing <sup>2,3</sup>	9,568	75.3%
<b>Generic name and route of administration<sup>3</sup></b>		
Betamethasone, injection	0	0.0%
Betamethasone, oral	0	0.0%
Cortisone, oral	0	0.0%
Dexamethasone, injection	8	0.1%
Dexamethasone, intravenous	0	0.0%
Dexamethasone, oral	2,313	18.2%
Hydrocortisone, injection	0	0.0%
Hydrocortisone, oral	6	0.0%
Methylprednisolone, injection	1	0.0%
Methylprednisolone, intravenous	0	0.0%
Methylprednisolone, oral	3,001	23.6%
Prednisolone, injection	0	0.0%
Prednisolone, oral	38	0.3%
Prednisone, oral	4,218	33.2%
Triamcinolone, injection	1	0.0%
Triamcinolone, oral	0	0.0%

**Table 8. Distribution of Corticosteroid Treatment Initiation and Health Service Utilization Among Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
Characteristic	Number	Percent
<b>Any corticosteroid administered in an outpatient facility</b>		
Any procedure code <sup>3,4</sup> : HCPCS or NDC procedure <sup>5</sup>	3,989	31.4%
<b>Care setting of administration of outpatient procedure code<sup>3</sup></b>		
Ambulatory visit (AV)	1,779	14.0%
Other ambulatory visit (OA)	6	0.0%
Emergency department (ED)	2,205	17.4%

<sup>1</sup>Corticosteroid treatment initiation occurred within the 10 days after and including COVID-19 identification.

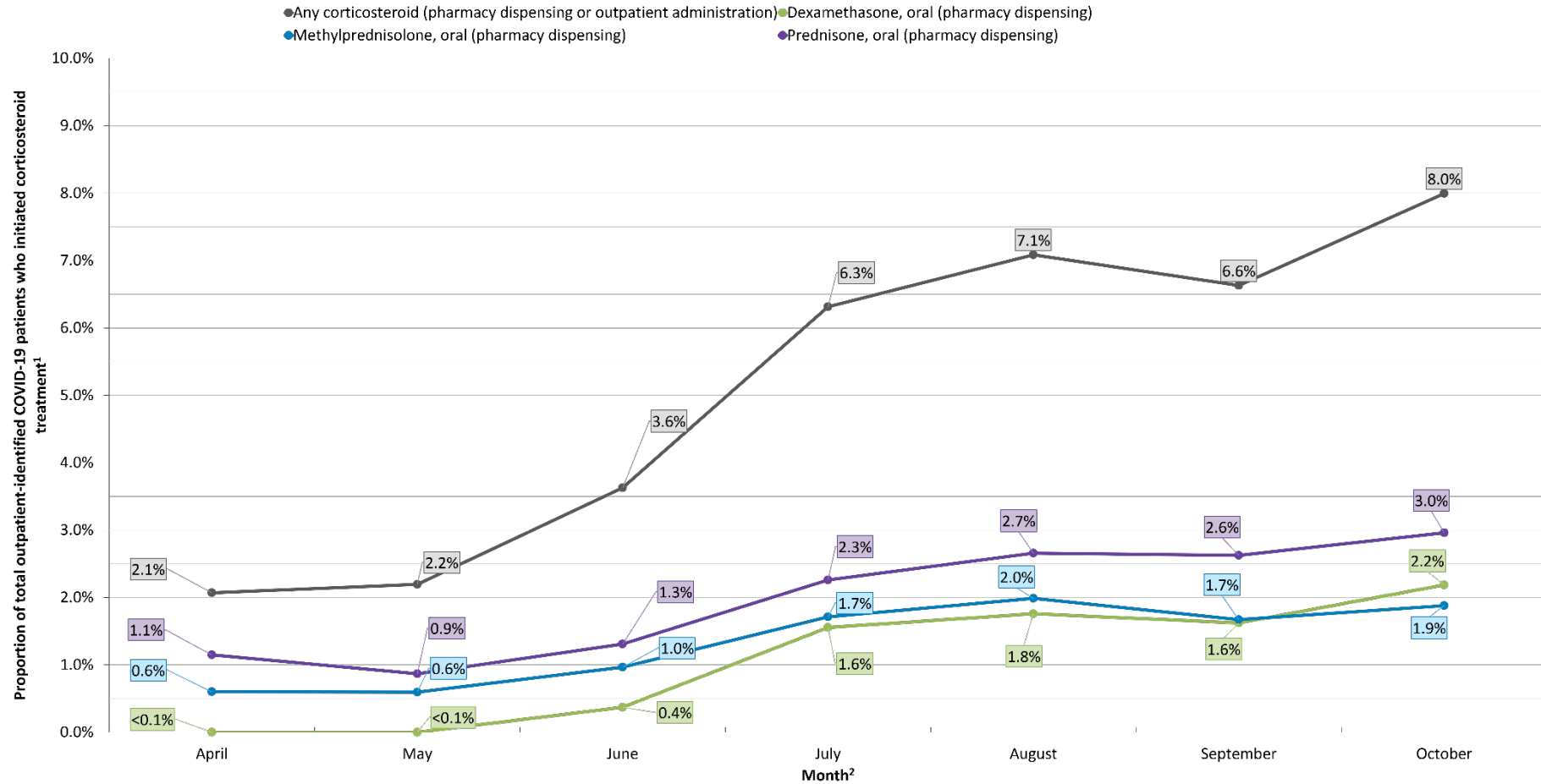
<sup>2</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings.

<sup>3</sup>A patient may have had multiple corticosteroid NDC dispensings and/or corticosteroid procedure codes recorded on the same date.

<sup>4</sup>HCPCS and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

<sup>5</sup>Two participating Data Partners populate NDCs in both the dispensing table and the procedure table.

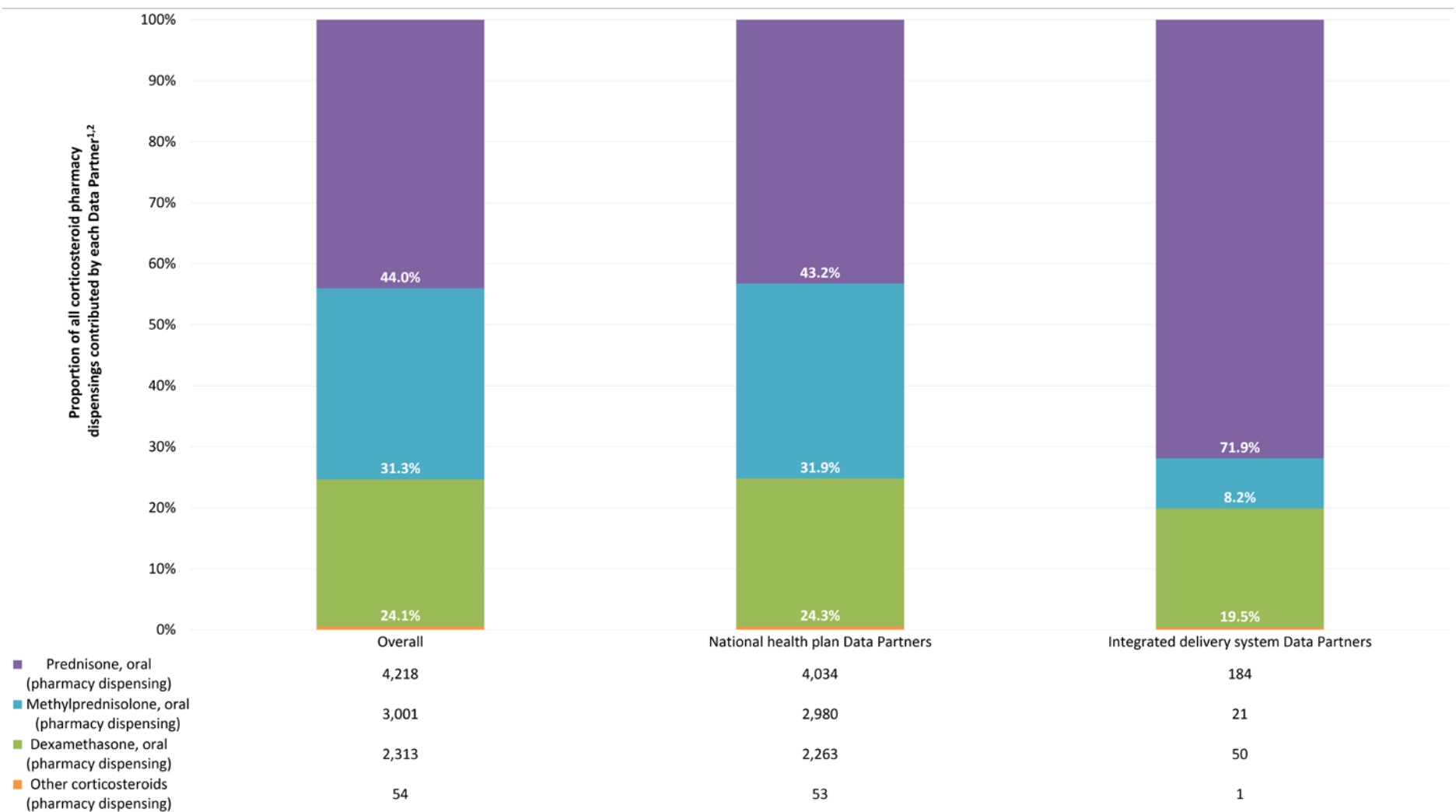
**Figure 7. Proportion of Outpatient-Identified COVID-19 Patients Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification by Generic Name and Month in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**



<sup>1</sup>Patients must have initiated corticosteroid treatment within 10 days of COVID-19 identification and not have been hospitalized in the 10 days prior to treatment initiation in order to be counted as an initiator.

<sup>2</sup>The denominator used for these calculations includes non-initiators in the month in which their COVID-19 was identified and corticosteroid treatment initiators in the month in which their treatment began. The 323 patients who initiated corticosteroid treatment between November 1-10, 2020 were excluded from these calculations. Thus, the total number of corticosteroid initiators in this figure is 12,382 patients.

**Figure 8. Distribution of Corticosteroid Pharmacy Dispensings Among Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification by Generic Name and Data Partner in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**



<sup>1</sup>Of the four participating Data Partners to this analysis, two are national health plan Data Partners and two are integrated delivery system Data Partners.

<sup>2</sup>Integrated delivery system Data Partners contributed <3% of all corticosteroid pharmacy dispensings.

**Table 9. Proportion of Patients With Outpatient-Identified COVID-19 Who Initiated Corticosteroid Treatment Within 10 Days of COVID-19 Identification and Developed Complications Within 30 Days of Corticosteroid Treatment Initiation in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

Patients with outpatient-identified COVID-19 who initiated corticosteroid treatment within 10 days of COVID-19 identification and were not hospitalized 10 days prior to and including corticosteroid initiation		
	Number	Percent
Number of unique patients	12,705	--
<b>Hospitalization<sup>1,2</sup> in the 30 days after corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
All-cause hospitalization	1,754	13.8%
COVID-19 hospitalization, any diagnostic position	1,284	10.1%
COVID-19 hospitalization, primary diagnostic position	825	6.5%
<b>Hospitalization<sup>1,2</sup> in the 2 days after corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
COVID-19 hospitalization, any diagnostic position	443	3.5%
COVID-19 hospitalization, primary diagnostic position	353	2.8%
<b>Hospitalization<sup>1,2</sup> in the 2 days after corticosteroid treatment initiated via outpatient administrations in the Emergency Department (ED) only<sup>4</sup></b>		
<b>Total patients who initiated corticosteroid treatment via outpatient administrations in the ED</b>	2,348	18.5%
COVID-19 hospitalization, any diagnostic position <sup>5</sup>	215	9.2%
COVID-19 hospitalization, primary diagnostic position <sup>5</sup>	177	7.5%
<b>Complications of interest developed within 30 days of corticosteroid treatment initiated via pharmacy dispensings or outpatient administrations<sup>3</sup></b>		
<b>Any complication, any care setting</b>	5,652	44.5%
Hyperglycemia, any care setting	825	6.5%
Ketoacidosis, any care setting	24	0.2%
Psychosis or psychotic disorder, any care setting	31	0.2%
Severe infection, any care setting	5,452	42.9%
Bacterial infection, any care setting	941	7.4%
Secondary viral infection, any care setting	3,513	27.7%
Fungal infection, any care setting	158	1.2%
Other infection, any care setting	3,734	29.4%
Severe infection, inpatient hospital stay	1,491	11.7%
Bacterial infection, inpatient hospital stay	579	4.6%
Secondary viral infection, inpatient hospital stay	1,411	11.1%
Fungal infection, inpatient hospital stay	54	0.4%
Other infection, inpatient hospital stay	1,061	8.4%

<sup>1</sup>Hospitalization is defined as an inpatient hospital stay (IP) or a non-acute institutional stay (IS).

<sup>2</sup>Any patients who may have been hospitalized on the date of corticosteroid treatment initiation were excluded from the corticosteroid initiator cohort.

<sup>3</sup>All NDCs in the dispensing table are outpatient pharmacy dispensings. HCPCS codes and NDCs in the procedure table restricted to the ambulatory visit (AV), other ambulatory visit (OA), and emergency department (ED) care settings.

<sup>4</sup>HCPCS codes and NDCs in the procedure table restricted to only the ED care setting.

<sup>5</sup>The denominator is those patients who initiated corticosteroid treatment in the ED care setting (N=2,348).

**Table 10. Proportion of Patients With Outpatient-Identified COVID-19 Who Did Not Initiate Corticosteroid Treatment Within 10 Days of COVID-19 Identification and Were Hospitalized Days 11 to 40 After COVID-19 Identification in the Rapid COVID-19 Sentinel Distributed Database (SDD) between April 1, 2020 and October 31, 2020**

	Patients with outpatient-identified COVID-19 who did not initiate corticosteroid treatment and were not hospitalized within 10 days of COVID-19 identification	
	Number	Percent
Number of unique patients	186,828	--
<b>Hospitalization<sup>1</sup> days 11 to 40 after COVID-19 identification</b>		
All-cause hospitalization	2,949	1.6%
COVID-19 hospitalization, any diagnostic position	1,309	0.7%
COVID-19 hospitalization, primary diagnostic position	724	0.4%

<sup>1</sup>Hospitalization is defined as an inpatient hospital stay (IP) or a non-acute institutional stay (IS).



**Appendix A. Start and End Dates for Each Data Partner (DP) in the Rapid COVID-19 Sentinel Distributed Database (SDD) up to Request Distribution Date (March 23, 2021)**

<b>DP ID</b>	<b>Start Date<sup>1</sup></b>	<b>End Date<sup>1,2</sup></b>
DP01	01/01/2018	11/30/2020
DP02	01/01/2018	11/30/2020
DP03	01/01/2018	12/31/2020
DP04	01/01/2018	01/31/2021

<sup>1</sup>The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

<sup>2</sup>Data completeness varies by data source and claims type (i.e. care setting); we expect a lag in inpatient claims of  $\geq 60$  days for the two participating national health plans and of  $\geq 30$  days for the two participating integrated delivery systems.

**Appendix B. Logical Observation Identifiers Names and Codes (LOINC) Mapped to Nucleic Acid Amplification Tests (NAAT) for SARS-CoV-2 in the Rapid COVID-19 Sentinel Distributed Database (SDD) to Define COVID-19 Cohort Entry Criteria**

LOINC	Description	Test Type	Amplification
			Type <sup>1</sup>
<b>SARS-CoV-2</b>			
94307-6	SARS-CoV-2 (COVID-19) N gene [Presence] in Unspecified specimen by Nucleic acid amplification using CDC primer-probe set N1	NAAT	PCR
94308-4	SARS-CoV-2 (COVID-19) N gene [Presence] in Unspecified specimen by Nucleic acid amplification using CDC primer-probe set N2	NAAT	PCR
94309-2	SARS-CoV-2 (COVID-19) RNA [Presence] in Unspecified specimen by NAA with probe detection	NAAT	PCR
94314-2	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Unspecified specimen by NAA with probe detection	NAAT	PCR
94316-7	SARS-CoV-2 (COVID-19) N gene [Presence] in Unspecified specimen by NAA with probe detection	NAAT	PCR
94500-6	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory specimen by NAA with probe detection	NAAT	PCR
94533-7	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory specimen by NAA with probe detection	NAAT	PCR
94534-5	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Respiratory specimen by NAA with probe detection	NAAT	PCR
94559-2	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Respiratory specimen by NAA with probe detection	NAAT	PCR
94565-9	SARS-CoV-2 (COVID-19) RNA [Presence] in Nasopharynx by NAA with non-probe detection	NAAT	PCR
94639-2	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Unspecified specimen by NAA with probe detection	NAAT	PCR
94640-0	SARS-CoV-2 (COVID-19) S gene [Presence] in Respiratory specimen by NAA with probe detection	NAAT	PCR
94641-8	SARS-CoV-2 (COVID-19) S gene [Presence] in Unspecified specimen by NAA with probe detection	NAAT	PCR
94660-8	SARS-CoV-2 (COVID-19) RNA [Presence] in Serum or Plasma by NAA with probe detection	NAAT	PCR
94756-4	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory specimen by Nucleic acid amplification using CDC primer-probe set N1	NAAT	PCR
94757-2	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory specimen by Nucleic acid amplification using CDC primer-probe set N2	NAAT	PCR
94759-8	SARS-CoV-2 (COVID-19) RNA [Presence] in Nasopharynx by NAA with probe detection	NAAT	PCR
94760-6	SARS-CoV-2 (COVID-19) N gene [Presence] in Nasopharynx by NAA with probe detection	NAAT	PCR
94766-3	SARS-CoV-2 (COVID-19) N gene [Presence] in Serum or Plasma by NAA with probe detection	NAAT	PCR
94767-1	SARS-CoV-2 (COVID-19) S gene [Presence] in Serum or Plasma by NAA with probe detection	NAAT	PCR
94845-5	SARS-CoV-2 (COVID-19) RNA [Presence] in Saliva (oral fluid) by NAA with probe detection	NAAT	PCR
95406-5	SARS-CoV-2 (COVID-19) RNA [Presence] in Nose by NAA with probe detection	NAAT	PCR
95409-9	SARS-CoV-2 (COVID-19) N gene [Presence] in Nose by NAA with probe detection	NAAT	PCR
95425-5	SARS-CoV-2 (COVID-19) N gene [Presence] in Saliva (oral fluid) by NAA with probe detection	NAAT	PCR
96448-6	SARS-CoV-2 (COVID-19) N gene [Presence] in Saliva (oral fluid) by Nucleic acid amplification using CDC primer-probe set N1	NAAT	PCR

**Appendix B. Logical Observation Identifiers Names and Codes (LOINC) Mapped to Nucleic Acid Amplification Tests (NAAT) for SARS-CoV-2 in the Rapid COVID-19 Sentinel Distributed Database (SDD) to Define COVID-19 Cohort Entry Criteria**

LOINC	Description	Amplification	
		Test Type	Type <sup>1</sup>
<b>SARS-CoV-2</b>			
95824-9	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Saliva (oral fluid) by NAA with probe detection	NAAT	PCR
96120-1	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Lower respiratory specimen by NAA with probe detection	NAAT	PCR
96091-4	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Saliva (oral fluid) by NAA with probe detection	NAAT	PCR
96123-5	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Upper respiratory specimen by NAA with probe detection	NAAT	PCR
95608-6	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory specimen by NAA with non-probe detection	NAAT	PCR
95423-0	Influenza virus A and B and SARS-CoV-2 (COVID-19) identified in Respiratory specimen by NAA with probe detection	NAAT	PCR

<sup>1</sup>PCR = Polymerase chain reaction

**Appendix C. International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define COVID-19 Cohort Entry Criteria**

Code	Description	Code Category	Code Type
<b>COVID-19</b>			
U071	COVID-19	Diagnosis	ICD-10-CM

**Appendix D. International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Incidence Criteria**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
<b>Incidence criteria throughout enrollment history</b>			
U071	COVID-19	Diagnosis	ICD-10-CM
<b>Incidence criteria, 183-day washout</b>			
B9729	Other coronavirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM

**Appendix E. Generic and Brand Names of Medical Products Used to Define Exclusion Criteria**

<b>Generic name</b>	<b>Brand name</b>
<b>Fludrocortisone</b>	
Fludrocortisone Acetate	Florinef
Fludrocortisone Acetate	Florinef Acetate
Fludrocortisone Acetate	Fludrocortisone Acetate

**Appendix F. Generic and Brand Names of Medical Products Used to Define Corticosteroid Treatment**

<b>Generic name</b>	<b>Brand name</b>
<b>Betamethasone</b>	
Betamethasone	Celestone
Betamethasone Acetate And Sodium Phos In Sterile Water/Pf	Betamethasone Acetate-Sod Phos
Betamethasone Acetate/Betamethasone Sodium Phosphate	Betamethasone Acetate-Sod Phos
Betamethasone Acetate/Betamethasone Sodium Phosphate	Betamethasone Sod Phos-Acetate
Betamethasone Acetate/Betamethasone Sodium Phosphate	Celestone
Betamethasone Acetate/Betamethasone Sodium	Betamethasone Acetate-Sod Phos
Betamethasone Acetate/Sod Phosphate	Celestone Soluspan
Betamethasone Sod Phosphate/Acetate	Betamethasone Combo
Betamethasone Sod Phosphate/Acetate	Betamethasone Sodium Phosphate/Betamethasone Acetate
Betamethasone Sod Phosphate/Acetate	Celestone-Soluspan
Betamethasone Sodium Phosph In Sterile Water For Injection	Betamethasone Sod Phos-Water
Betamethasone Sodium Phosphate	Betamethasone Sp
Betamethasone Sodium Phosphate	Celestone
<b>Cortisone</b>	
Cortisone Acetate	Cortisone
Cortisone Acetate	Cortisone Acetate
<b>Dexamethasone</b>	
Bupivacaine Hcl/Dexamethasone Sodium Phos In Sterile Water	Bupivacaine-Dexamethasone Sod
Dexameth/Bupiv/Epi 0.01%/0.375%/1:200000 INJ	Bupivacaine Hydrochloride/Dexamethasone Sod Phos/Epinephrine
Dexamethasone	Baycadron
Dexamethasone	Decadron
Dexamethasone	Dexabliss
Dexamethasone	Dexamethasone
Dexamethasone	Dexamethasone Intensol
Dexamethasone	Dexpak
Dexamethasone	Dxevo
Dexamethasone	Hemady
Dexamethasone	Hidex
Dexamethasone	Locort
Dexamethasone	Taperdex
Dexamethasone	Taperdex 6-Day
Dexamethasone	Zcort
Dexamethasone	Zema-Pak
Dexamethasone	Zodex
Dexamethasone	Zonacort
Dexamethasone Acetate	Dalalone Dp
Dexamethasone Acetate	Dekasol La
Dexamethasone Acetate	Dex La 16
Dexamethasone Acetate	Dex La 8
Dexamethasone Acetate	Dexacen La-8
Dexamethasone Acetate	Dexamethasone Acetate
Dexamethasone Acetate	Dexamethasone Acetate-Mdv

**Appendix F. Generic and Brand Names of Medical Products Used to Define Corticosteroid Treatment**

<b>Generic name</b>	<b>Brand name</b>
Dexamethasone Acetate	Solurex La
Dexamethasone Acetate And Sodium Phosphate In Sterile	Dexamethasone Acetate-Sod Phos
Dexamethasone Acetate In Sodium Chloride, Iso/Osmotic	Dexamethasone Acetate La
Dexamethasone Acetate/Sod Phosphate	Dex Combo
Dexamethasone Sod Phos/Dextrose Iv	Dexamethasone Sodium Phosphate/Dextrose
Dexamethasone Sod Phos/NACL IV	Dexamethasone Sodium Phosphate/Sodium Chloride
Dexamethasone Sod Phosphate	Cpc-Cort-D
Dexamethasone Sod Phosphate	Dexamethasone
Dexamethasone Sod Phosphate	Dexamethasone Sodium Phosphate
Dexamethasone Sod Phosphate	Solurex
Dexamethasone Sod Phosphate Preservative Free	Dexamethasone Sodium Phosphate
Dexamethasone Sodium Phosphate	Decadron
Dexamethasone Sodium Phosphate	Decadron-Mdv
Dexamethasone Sodium Phosphate	Dekasol
Dexamethasone Sodium Phosphate	Dekasol-10
Dexamethasone Sodium Phosphate	Dexamethasone Sodium Phosphate
Dexamethasone Sodium Phosphate In 0.9 % Sodium Chloride	Dexamethasone-0.9% Nacl
Dexamethasone Sodium Phosphate In 0.9 % Sodium Chloride	Dexamethasone-Ns
Dexamethasone Sodium Phosphate Iv	Decadron
Dexamethasone Sodium Phosphate Iv	Dexamethasone Sodium Phosphate
Dexamethasone Sodium Phosphate/Lidocaine Hcl	Lidocidex-I
Dexamethasone Sodium Phosphate/Pf	Dexamethasone Sodium Phosphate
<b>Hydrocortisone</b>	
Hydrocortisone	Alkindi Sprinkle
Hydrocortisone	Cortef
Hydrocortisone	Hydrocortisone
Hydrocortisone	Hydrocortone
Hydrocortisone Sod Succinate	A-Hydrocort
Hydrocortisone Sod Succinate	Hydrocortisone Sod Succinate
Hydrocortisone Sod Succinate	Solu-Cortef
Hydrocortisone Sodium Phosphate	Hydrocortone
Hydrocortisone Sodium Succinate	A-Hydrocort
Hydrocortisone Sodium Succinate	Solu-Cortef
Hydrocortisone Sodium Succinate Pf	Solu-Cortef
Hydrocortisone Sodium Succinate/Pf	Solu-Cortef
Hydrocortisone Sodium Succinate/Pf	Solu-Cortef (Pf)
<b>Methylprednisolone</b>	
Methylprednisolone	Medrol
Methylprednisolone	Meprolone Unipak
Methylprednisolone	Methylpred
Methylprednisolone	Methylpred Dp
Methylprednisolone	Methylprednisolone
Methylprednisolone	Methylprednisolone Dose Pack



**Appendix F. Generic and Brand Names of Medical Products Used to Define Corticosteroid Treatment**

Generic name	Brand name
Methylprednisolone Ace/Lidocaine	Methylprednisolone/Lidocaine
Methylprednisolone Acetate	Depo-Medrol
Methylprednisolone Acetate	Methylpred 40
Methylprednisolone Acetate	Methylprednisolone
Methylprednisolone Acetate	Methylprednisolone Acetate
Methylprednisolone Acetate	Methylprednisolone Pf
Methylprednisolone Acetate In Sodium	Methylprednisolone Acetate
Methylprednisolone Acetate In Sterile Water For Injection	Methylprednisolone Acetate
Methylprednisolone Acetate W/ Lidocaine	Methylprednisolone/Lidocaine
Methylprednisolone Acetate/Bupivacaine Hcl In Sterile Water	Methylprednisolone-Bupivacaine
Methylprednisolone Sod Succ	A-Methapred
Methylprednisolone Sod Succ	Methylprednisolone Sod Succ
Methylprednisolone Sod Succ	Solu-Medrol
Methylprednisolone Sod Succ	Solu-Medrol W/Diluent
Methylprednisolone Sodium Succinate	A-Methapred
Methylprednisolone Sodium Succinate	Methylprednisolone Sod Succ
Methylprednisolone Sodium Succinate	Methylprednisolone Sodium Succ
Methylprednisolone Sodium Succinate	Solu-Medrol
Methylprednisolone Sodium Succinate/Pf	Solu-Medrol
Methylprednisolone Sodium Succinate/Pf	Solu-Medrol (Pf)
Prednisolone	
Prednisolone	Millipred
Prednisolone	Millipred Dp
Prednisolone	Prednisolone
Prednisolone	Prelone
Prednisolone Acetate	Flo-Pred
Prednisolone Acetate	Key-Pred
Prednisolone Acetate	Key-Pred 25
Prednisolone Acetate	Predicort-50
Prednisolone Acetate	Prednisolone Acetate
Prednisolone Sod Phos Orally Disintegr	Orapred Odt
Prednisolone Sod Phosph Oral	Prednisolone Sodium Phosphate
Prednisolone Sod Phosphate	Bubbli-Pred
Prednisolone Sod Phosphate	Millipred
Prednisolone Sod Phosphate	Orapred
Prednisolone Sod Phosphate	Orapred Odt
Prednisolone Sod Phosphate	Pediapred
Prednisolone Sod Phosphate	Prednisolone Sod Phosphate
Prednisolone Sod Phosphate	Prednisolone Sodium Phos Odt
Prednisolone Sod Phosphate	Prednisolone Sodium Phosphate
Prednisolone Sod Phosphate	Veripred 20
Prednisolone Sod Phosphate Oral	Prednisolone Sodium Phosphate
Prednisolone Sodium Phosphate	Pediapred

**Appendix F. Generic and Brand Names of Medical Products Used to Define Corticosteroid Treatment**

<b>Generic name</b>	<b>Brand name</b>
Prednisolone Sodium Phosphate	Prednisolone Sod Phosphate
Prednisolone Sodium Phosphate	Prednisolone Sodium Phos Odt
Prednisolone Sodium Phosphate	Prednisolone Sodium Phosphate
Prednisolone Sodium Phosphate/Peak Flow Meter	Asmalpred
Prednisolone Sodium Phosphate/Peak Flow Meter	Asmalpred Plus
Prednisolone Syrup 15 Mg/5MI (Usp Solution Equivalent)	Prednisolone
<b>Prednisone</b>	
Prednisone	Deltasone
Prednisone	Liquid Pred
Prednisone	Prednisone
Prednisone	Prednisone Intensol
Prednisone	Rayos
Prednisone	Sterapred
Prednisone	Sterapred Ds
Prednisone Oral	Prednisone
<b>Triamcinolone</b>	
Triamcinolone	Aristocort
Triamcinolone Acetonide	Cenocort A-40
Triamcinolone Acetonide	Kenalog
Triamcinolone Acetonide	Kenalog-10
Triamcinolone Acetonide	Kenalog-40
Triamcinolone Acetonide	Kenalog-80
Triamcinolone Acetonide	Triam-A
Triamcinolone Acetonide	Triamcinolone
Triamcinolone Acetonide	Triamcinolone Acetonide
Triamcinolone Acetonide	Triamcinolone Acetonide Pf
Triamcinolone Acetonide In 0.9 % Sodium Chloride	Triamcinolone Acetonide
Triamcinolone Acetonide/0.9% Sodium Chloride/Pf	Triamcinolone Acetonide
Triamcinolone Acetonide/Bupivacaine/ In 0.9% Sodium	Triamcinolone Acet-Bupivacaine
Triamcinolone Acetonide/Lidocaine	Triamcinolone/Lidocaine
Triamcinolone Acetonide/Lidocaine Hcl	Lidocilone I
Triamcinolone Diacetate	Aristocort Forte
Triamcinolone Diacetate	Aristocort Intralesional
Triamcinolone Diacetate	Cenocort Forte Suspension
Triamcinolone Diacetate	Triam Forte
Triamcinolone Diacetate	Triamcinolone
Triamcinolone Diacetate	Triamcinolone Diacetate
Triamcinolone Diacetate	Triamcinolone Pf
Triamcinolone Diacetate In 0.9 % Sodium Chloride	Triamcinolone Diacetate
Triamcinolone Diacetate In 0.9 % Sodium Chloride/Pf	Triamcinolone Diacetate
Triamcinolone Hexacetonide	Aristospan
Triamcinolone Hexacetonide	Aristospan Intra-Articular
Triamcinolone Hexacetonide	Aristospan Parenteral

**Appendix G. List of Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Corticosteroid Treatment**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
<b>Betamethasone</b>			
J0702	Injection, betamethasone acetate and betamethasone sodium phosphate, per	Procedure	HCPCS
<b>Dexamethasone</b>			
J1094	Injection, dexamethasone acetate, 1 mg	Procedure	HCPCS
J1100	Injection, dexamethasone sodium phosphate, 1 mg	Procedure	HCPCS
J8540	Dexamethasone, oral, 0.25 mg	Procedure	HCPCS
<b>Hydrocortisone</b>			
J1700	Injection, hydrocortisone acetate, up to 25 mg	Procedure	HCPCS
J1710	Injection, hydrocortisone sodium phosphate, up to 50 mg	Procedure	HCPCS
J1720	Injection, hydrocortisone sodium succinate, up to 100 mg	Procedure	HCPCS
<b>Methylprednisolone</b>			
J1020	Injection, methylprednisolone acetate, 20 mg	Procedure	HCPCS
J1030	Injection, methylprednisolone acetate, 40 mg	Procedure	HCPCS
J1040	Injection, methylprednisolone acetate, 80 mg	Procedure	HCPCS
J2920	Injection, methylprednisolone sodium succinate, up to 40 mg	Procedure	HCPCS
J2930	Injection, methylprednisolone sodium succinate, up to 125 mg	Procedure	HCPCS
J7509	Methylprednisolone oral, per 4 mg	Procedure	HCPCS
<b>Prednisolone</b>			
J2650	Injection, prednisolone acetate, up to 1 ml	Procedure	HCPCS
J7510	Prednisolone oral, per 5 mg	Procedure	HCPCS
<b>Prednisone</b>			
J7512	Prednisone, immediate release or delayed release, oral, 1 mg	Procedure	HCPCS
<b>Triamcinolone</b>			
J3300	Injection, triamcinolone acetonide, preservative free, 1 mg	Procedure	HCPCS
J3301	Injection, triamcinolone acetonide, not otherwise specified, 10 mg	Procedure	HCPCS
J3302	Injection, triamcinolone diacetate, per 5 mg	Procedure	HCPCS
J3303	Injection, triamcinolone hexacetonide, per 5 mg	Procedure	HCPCS
J3304	Injection, triamcinolone acetonide, preservative-free, extended-release, microsphere formulation, 1 mg	Procedure	HCPCS

**Appendix H. List of States and U.S. territories per Census Bureau (CB) Region**

<b>CB region</b>	<b>States and U.S. Territories</b>
Midwest (MW)	Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin
Northeast (NE)	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, New Jersey, New York, Pennsylvania
South (S)	Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia
West (W)	Arizona, Alaska, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming
Other	American Samoa, Guam, Marshall Islands, Micronesia, Northern Mariana Islands, Palau, Puerto Rico, U.S. Virgin Islands
Invalid	Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition
Missing	Missing from claims

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
<b>Anticoagulants, injection</b>	
Argatroban	Argatroban
Argatroban In 0.9 % Sodium Chloride	Argatroban In 0.9 % Sod Chlor
Argatroban In Sodium Chloride, Iso-Osmotic	Argatroban In Nacl (Iso-Os)
Bivalirudin	Angiomax
Bivalirudin	Bivalirudin
Bivalirudin For Iv	Angiomax
Bivalirudin In 0.9 % Sodium Chloride	Bivalirudin-0.9 % Sodium Chlor
Dalteparin Sodium, Porcine	Fragmin
Enoxaparin Sodium	Enoxaparin
Enoxaparin Sodium	Enoxaparin Sodium
Enoxaparin Sodium	Lovenox
Fondaparinux Sodium	Arixtra
Fondaparinux Sodium	Fondaparinux
Fondaparinux Sodium	Fondaparinux Sodium
Heparin Sod (Porc)/Dextrose Iv Sol Pref Syr 50 Unit/50MI/10%	Heparin Sodium/Dextrose
Heparin Sod (Porcine) In Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl Iv	Heparin Sodium/Sodium Chloride Pf
Heparin Sodium (Bovine)	Heparin Sodium Beef Lung
Heparin Sodium (Porcine)	Heparin Sodium
Heparin Sodium (Porcine) 100 Unit/MI In D5W	Heparin Sodium/D5W
Heparin Sodium (Porcine) In Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sodium (Porcine) Iv	Heparin Sodium
Heparin Sodium (Porcine)/Dextrose Iv Sol 10000 Unit/100MI/5%	Heparin Sodium/Dextrose
Heparin Sodium, Porcine	Heparin (Porcine)
Heparin Sodium, Porcine	Heparin Lock Flush (Porcine)
Heparin Sodium, Porcine	Heparin Sodium
Heparin Sodium, Porcine In 0.45 % Sodium Chloride	Heparin (Porcine) In 0.45% Nacl
Heparin Sodium, Porcine In 0.9 % Sodium Chloride	Heparin (Porcine) In 0.9% Nacl
Heparin Sodium, Porcine In 0.9 % Sodium Chloride/Pf	Heparin (Porcine) In Nacl (Pf)
Heparin Sodium, Porcine/Dextrose 5 % In Water	Heparin (Porcine) In 5 % Dex
Heparin Sodium, Porcine/Pf	Heparin, Porcine (Pf)
<b>Anticoagulants, oral</b>	
Apixaban	Eliquis
Apixaban	Eliquis Dvt-Pe Treat 30D Start
Dabigatran Etexilate Mesylate	Pradaxa
Edoxaban Tosylate	Savaysa
Rivaroxaban	Xarelto
Rivaroxaban	Xarelto Dvt-Pe Treat 30D Start
Warfarin Sodium	Coumadin
Warfarin Sodium	Jantoven

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Warfarin Sodium	Warfarin
Warfarin Sodium	Warfarin Sodium
<b>Corticosteroids, inhaled</b>	
Beclomethasone Diprop	Qvar
Beclomethasone Diprop Hfa Breath Act Inh Aer 40 Mcg/Act	Qvar Redihaler
Beclomethasone Dipropionate	Beclovent
Beclomethasone Dipropionate	Qvar
Beclomethasone Dipropionate	Qvar Redihaler
Beclomethasone Dipropionate	Vanceril
Beclomethasone Dipropionate	Vanceril Double Strength
Budesonide	Budesonide
Budesonide	Pulmicort
Budesonide	Pulmicort Flexhaler
Budesonide Inhalation Susp 0.25 Mg/2MI	Budesonide
Budesonide Inhalation Susp 0.5 Mg/2MI	Budesonide
Budesonide/Formoterol Fumarate	Budesonide-Formoterol Fumarate
Budesonide/Formoterol Fumarate	Symbicort
Budesonide/Formoterol Fumarate Dihyd	Symbicort
Budesonide/Glycopyrrolate/Formoterol Fumarate	Breztri Aerosphere
Ciclesonide	Alvesco
Flunisolide	Aerobid
Flunisolide	Aerobid-M
Flunisolide	Aerospan
Flunisolide/Menthol	Aerobid-M
Fluticasone Furoate	Arnuity Ellipta
Fluticasone Furoate/Umeclidinium Bromide/Vilanterol Trifenat	Trelegy Ellipta
Fluticasone Furoate/Vilanterol	Breo Ellipta
Fluticasone Furoate/Vilanterol Trifenatate	Breo Ellipta
Fluticasone Propionate	Armonair Digihaler
Fluticasone Propionate	Armonair Respiclick
Fluticasone Propionate	Flovent
Fluticasone Propionate	Flovent Diskus
Fluticasone Propionate	Flovent Hfa
Fluticasone Propionate	Flovent Rotadisk
Fluticasone Propionate Hfa Inhal Aer 220 Mcg/Act (250/Valve)	Flovent Hfa
Fluticasone Propionate Hfa Inhal Aero 44 Mcg/Act (50/Valve)	Flovent Hfa
Fluticasone Propionate/Salmeterol Xinafoate	Advair Diskus
Fluticasone Propionate/Salmeterol Xinafoate	Advair Hfa
Fluticasone Propionate/Salmeterol Xinafoate	Airduo Digihaler
Fluticasone Propionate/Salmeterol Xinafoate	Airduo Respiclick
Fluticasone Propionate/Salmeterol Xinafoate	Fluticasone-Salmeterol
Fluticasone Propionate/Salmeterol Xinafoate	Wixela Inhub
Fluticasone/Salmeterol	Advair Diskus

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Fluticasone/Salmeterol	Fluticasone Propionate/Salmeterol
Fluticasone/Salmeterol Inhal	Advair Hfa
Mometasone Furoate	Asmanex
Mometasone Furoate	Asmanex Hfa
Mometasone Furoate/Formoterol Fumarate	Dulera
Triamcinolone Acetonide	Azmacort
<b>Hydroxychloroquine</b>	
Hydroxychloroquine Sulfate	Hydroxychloroquine
Hydroxychloroquine Sulfate	Plaquenil
<b>Immunosuppressants</b>	
Abatacept	Orencia
Abatacept	Orencia Clickject
Abatacept/Maltose	Orencia (With Maltose)
Abemaciclib	Verzenio
Acalabrutinib	Calquence
Adalimumab	Humira
Adalimumab	Humira Pediatric Crohns Start
Adalimumab	Humira Pen
Adalimumab	Humira Pen Crohns-Uc-Hs Start
Adalimumab	Humira Pen Psor-Uveits-Adol Hs
Adalimumab	Humira(Cf)
Adalimumab	Humira(Cf) Pedi Crohns Starter
Adalimumab	Humira(Cf) Pen
Adalimumab	Humira(Cf) Pen Crohns-Uc-Hs
Ado-Trastuzumab Emtansine	Kadcyla
Afatinib Dimaleate	Gilotrif
Aldesleukin	Proleukin
Alectinib Hcl	Alecensa
Alemtuzumab	Campath
Alemtuzumab	Lemtrada
Alpelisib	Piqray
Altretamine	Hexalen
Anakinra	Kineret
Anti-Thymocyte Globulin,Rabbit	Thymoglobulin
Apremilast	Otezla
Apremilast	Otezla Starter
Arsenic Trioxide	Arsenic Trioxide
Arsenic Trioxide	Trisenox
Asparaginase	Elspar
Asparaginase (Erwinia Chrysanthemi)	Erwinaze
Atezolizumab	Tecentriq
Auranofin	Ridaura
Aurothioglucose	Aurothioglucose

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Aurothioglucose	Solganal
Avapritinib	Ayvakit
Avelumab	Bavencio
Axicabtagene Ciloleucel	Yescarta
Axitinib	Inlyta
Azacitidine	Azacitidine
Azacitidine	Vidaza
Azathioprine	Azasan
Azathioprine	Azathioprine
Azathioprine	Imuran
Azathioprine Sodium	Azathioprine Sodium
Azathioprine Sodium	Imuran
Baricitinib	Olumiant
Basiliximab	Simulect
Belatacept	Nulojix
Belimumab	Benlysta
Belinostat	Beleodaq
Bendamustine Hcl	Belrapzo
Bendamustine Hcl	Bendamustine
Bendamustine Hcl	Bendeka
Bendamustine Hcl	Treanda
Bevacizumab	Avastin
Bevacizumab-Awwb	Mvasi
Bevacizumab-Bvzr	Zirabev
Bexarotene	Bexarotene
Bexarotene	Targretin
Binimetinib	Mektovi
Bleomycin Sulfate	Blenoxane
Bleomycin Sulfate	Bleo 15K
Bleomycin Sulfate	Bleomycin
Blinatumomab	Blinicyto
Bortezomib	Bortezomib
Bortezomib	Velcade
Bosutinib	Bosulif
Brentuximab Vedotin	Adcetris
Brigatinib	Alunbrig
Busulfan	Busulfan
Busulfan	Busulfex
Busulfan	Myleran
Cabazitaxel	Jevtana
Cabozantinib S-Malate	Cabometyx
Cabozantinib S-Malate	Cometriq
Calaspargase Pegol-Mknl	Asparlas



**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Canakinumab/Pf	Ilaris (Pf)
Capecitabine	Capecitabine
Capecitabine	Xeloda
Carboplatin	Carboplatin
Carboplatin	Paraplatin
Carfilzomib	Kyprolis
Carmustine	Bicnu
Carmustine	Carmustine
Carmustine In Polifeprosan 20	Gliadel Wafer
Cemiplimab-Rwlc	Libtayo
Ceritinib	Zykadia
Cetuximab	Erbitux
Chlorambucil	Leukeran
Cisplatin	Cisplatin
Cisplatin	Platinol Aq
Cladribine	Cladribine
Cladribine	Leustatin
Clofarabine	Clofarabine
Clofarabine	Clolar
Cobimetinib Fumarate	Cotellic
Copanlisib Di-Hcl	Aliqopa
Crizotinib	Xalkori
Cyclophosphamide	Cyclophosphamide
Cyclophosphamide	Cytoxan
Cyclophosphamide	Cytoxan Lyophilized
Cyclophosphamide	Neosar
Cyclosporine	Cyclosporine
Cyclosporine	Sandimmune
Cyclosporine, Modified	Cyclosporine Modified
Cyclosporine, Modified	Gengraf
Cyclosporine, Modified	Neoral
Cytarabine	Cytarabine
Cytarabine	Cytosar-U
Cytarabine	Tarabine Pfs
Cytarabine Liposome/Pf	Depocyt (Pf)
Cytarabine/Pf	Cytarabine (Pf)
Dabrafenib Mesylate	Tafinlar
Dacarbazine	Dacarbazine
Dacarbazine	Dacarbazine (Bulk)
Dacarbazine	Dtic-Dome
Daclizumab	Zenapax
Dacomitinib	Vizimpro
Dactinomycin	Cosmegen

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Dactinomycin	Dactinomycin
Daratumumab	Darzalex
Dasatinib	Sprycel
Daunorubicin Citrate Liposomal	Daunoxome
Daunorubicin Hcl	Cerubidine
Daunorubicin Hcl	Daunorubicin
Daunorubicin/Cytarabine Liposomal	Vyxeos
Decitabine	Dacogen
Decitabine	Decitabine
Denileukin Diftitox	Ontak
Dinutuximab	Unituxin
Docetaxel	Docefrez
Docetaxel	Docetaxel
Docetaxel	Taxotere
Doxorubicin Hcl	Adriamycin
Doxorubicin Hcl	Adriamycin Pfs
Doxorubicin Hcl	Adriamycin Rdf
Doxorubicin Hcl	Doxorubicin
Doxorubicin Hcl	Rubex
Doxorubicin Hcl Pegylated Liposomal	Doxil
Doxorubicin Hcl Pegylated Liposomal	Doxorubicin, Peg-Liposomal
Doxorubicin Hcl Pegylated Liposomal	Lipodox
Doxorubicin Hcl Pegylated Liposomal	Lipodox 50
Durvalumab	Imfinzi
Duvelisib	Copiktra
Elotuzumab	Empliciti
Emapalumab-Lzsg	Gamifant
Enasidenib Mesylate	Idhifa
Encorafenib	Braftovi
Enfortumab Vedotin-Ejfv	Padcev
Entrectinib	Rozlytrek
Epirubicin Hcl	Ellence
Epirubicin Hcl	Epirubicin
Erdafitinib	Balversa
Eribulin Mesylate	Halaven
Erlotinib Hcl	Erlotinib
Erlotinib Hcl	Tarceva
Etanercept	Enbrel
Etanercept	Enbrel Mini
Etanercept	Enbrel Sureclick
Etoposide	Etoposide
Etoposide	Toposar
Etoposide	Vepesid

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Etoposide Phosphate	Etopophos
Everolimus	Afinitor
Everolimus	Afinitor Disperz
Everolimus	Everolimus (Antineoplastic)
Everolimus	Zortress
Fam-Trastuzumab Deruxtecan-Nxki	Enhertu
Fedratinib Dihydrochloride	Inrebic
Fingolimod Hcl	Gilenya
Floxuridine	Floxuridine
Fludarabine Phosphate	Fludara
Fludarabine Phosphate	Fludarabine
Fludarabine Phosphate	Oforta
Fluorouracil	Adrucil
Fluorouracil	Fluorouracil
Fostamatinib Disodium	Tavalisse
Gefitinib	Iressa
Gemcitabine Hcl	Gemcitabine
Gemcitabine Hcl	Gemzar
Gemcitabine Hcl In 0.9 % Sodium Chloride	Infugem
Gemtuzumab Ozogamicin	Mylotarg
Gilteritinib Fumarate	Xospata
Glasdegib Maleate	Daurismo
Glucarpidase	Voraxaze
Gold Sodium Thiomalate	Gold Sodium Thiomalate
Gold Sodium Thiomalate	Myochrysine
Golimumab	Simponi
Golimumab	Simponi Aria
Hydroxyurea	Hydrea
Hydroxyurea	Hydroxyurea
Hydroxyurea	Mylocel
Ibrutinib	Imbruvica
Idarubicin Hcl	Idamycin Pfs
Idarubicin Hcl	Idarubicin
Idelalisib	Zydelig
Ifosfamide	Ifex
Ifosfamide	Ifosfamide
Ifosfamide/Mesna	Ifex/Mesnex
Ifosfamide/Mesna	Ifosfamide-Mesna
Imatinib Mesylate	Gleevec
Imatinib Mesylate	Imatinib
Inotuzumab Ozogamicin	Besponsa
Interferon Alfa-2A,Recomb.	Roferon-A
Interferon Alfa-2B,Recomb.	Intron A

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Interferon Alfa-N3	Alferon N
Interferon Gamma-1B,Recomb.	Actimmune
Ipilimumab	Yervoy
Irinotecan Hcl	Camptosar
Irinotecan Hcl	Irinotecan
Irinotecan Liposomal	Onivyde
Ivosidenib	Tibsovo
Ixabepilone	Ixempra
Ixazomib Citrate	Ninlaro
Kit For Prep Indium-111/Ibritumomab Tiuxetan/Albumin Human	Zevalin (In-111)
Kit For Prep Yttrium-90/Ibritumomab Tiuxetan/Albumin Human	Zevalin (Y-90)
Lapatinib Ditosylate	Tykerb
Larotrectinib Sulfate	Vitrakvi
Leflunomide	Arava
Leflunomide	Leflunomide
Lenalidomide	Revlimid
Lenvatinib Mesylate	Lenvima
Lomustine	Ceenu
Lomustine	Gleostine
Lomustine	Lomustine
Lorlatinib	Lorbrena
Lymphocyte Immune Globulin,Antithymocyte (Equine)	Atgam
Mechlorethamine Hcl	Mustargen
Melphalan	Alkeran
Melphalan	Melphalan
Melphalan Hcl	Alkeran (As Hcl)
Melphalan Hcl	Melphalan Hcl
Melphalan Hcl/Betadex Sulfobutyl Ether Sodium	Evomela
Mercaptopurine	Mercaptopurine
Mercaptopurine	Purinethol
Mercaptopurine	Purixan
Methotrexate	Methotrexate (Bulk)
Methotrexate	Xatmep
Methotrexate Sodium	Methotrexate (Anti-Rheumatic)
Methotrexate Sodium	Methotrexate Sodium
Methotrexate Sodium	Rheumatrex
Methotrexate Sodium	Trexall
Methotrexate Sodium/Pf	Methotrexate Lpf
Methotrexate Sodium/Pf	Methotrexate Sodium (Pf)
Methotrexate/Pf	Otrexup (Pf)
Methotrexate/Pf	Rasuvo (Pf)
Midostaurin	Rydapt
Mitomycin	Mitomycin

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

Generic name	Brand name
Mitomycin	Mutamycin
Mitoxantrone Hcl	Mitoxantrone
Mitoxantrone Hcl	Novantrone
Mogamulizumab-Kpkc	Poteligeo
Moxetumomab Pasudotox-Tdfk	Lumoxiti
Muromonab-Cd3	Orthoclone Okt3
Mycophenolate Mofetil	Cellcept
Mycophenolate Mofetil	Mycophenolate Mofetil
Mycophenolate Mofetil Hcl	Cellcept Intravenous
Mycophenolate Mofetil Hcl	Mycophenolate Mofetil (Hcl)
Mycophenolate Sodium	Mycophenolate Sodium
Mycophenolate Sodium	Myfortic
Necitumumab	Portrazza
Nelarabine	Arranon
Neratinib Maleate	Nerlynx
Nilotinib Hcl	Tasigna
Niraparib Tosylate	Zejula
Nivolumab	Opdivo
Obinutuzumab	Gazyva
Ofatumumab	Arzerra
Olaparib	Lynparza
Olaratumab	Lartruvo
Omacetaxine Mepesuccinate	Synribo
Osimertinib Mesylate	Tagrisso
Oxaliplatin	Eloxatin
Oxaliplatin	Oxaliplatin
Paclitaxel	Onxol
Paclitaxel	Paclitaxel
Paclitaxel	Taxol
Paclitaxel Protein-Bound	Abraxane
Palbociclib	Ibrance
Panitumumab	Vectibix
Panobinostat Lactate	Farydak
Pazopanib Hcl	Votrient
Pegaspargase	Oncaspar
Peginterferon Alfa-2B	Sylatron
Peginterferon Alfa-2B	Sylatron 4-Pack
Pembrolizumab	Keytruda
Pemetrexed Disodium	Alimta
Pentostatin	Nipent
Pentostatin	Pentostatin
Pertuzumab	Perjeta
Pexidartinib Hydrochloride	Turalio

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Plicamycin	Mithracin
Polatuzumab Vedotin-Piiq	Polivy
Pomalidomide	Pomalyst
Ponatinib Hcl	Iclusig
Pralatrexate	Folotyn
Procarbazine Hcl	Matulane
Ramucirumab	Cyramza
Regorafenib	Stivarga
Ribociclib Succinate	Kisqali
Ribociclib Succinate/Letrozole	Kisqali Femara Co-Pack
Rilonacept	Arcalyst
Rituximab	Rituxan
Rituximab/Hyaluronidase, Human Recombinant	Rituxan Hycela
Rituximab-Abbs	Truxima
Rituximab-Pvvr	Ruxience
Romidepsin	Istodax
Romidepsin	Romidepsin
Rucaparib Camsylate	Rubraca
Ruxolitinib Phosphate	Jakafi
Sarilumab	Kevzara
Selinexor	Xpovio
Sipuleucel-T/Lactated Ringers Solution	Provenge
Sirolimus	Rapamune
Sirolimus	Sirolimus
Sonidegib Phosphate	Odomzo
Sorafenib Tosylate	Nexavar
Streptozocin	Zanosar
Sunitinib Malate	Sutent
Tacrolimus	Astagraf XI
Tacrolimus	Envarsus Xr
Tacrolimus	Hecoria
Tacrolimus	Prograf
Tacrolimus	Tacrolimus
Tagraxofusp-Erzs	Elzonris
Talazoparib Tosylate	Talzenna
Talimogene Laherparepvec	Imlygic
Tazemetostat Hydrobromide	Tazverik
Temozolomide	Temodar
Temozolomide	Temozolomide
Temsirolimus	Temsirolimus
Temsirolimus	Torisel
Teniposide	Teniposide
Teniposide	Vumon

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Thalidomide	Thalomid
Thioguanine	Tabloid
Thiotepa	Tepadina
Thiotepa	Thioplex
Thiotepa	Thiotepa
Tisagenlecleucel	Kymriah
Tocilizumab	Actemra
Tocilizumab	Actemra Actpen
Tofacitinib Citrate	Xeljanz
Tofacitinib Citrate	Xeljanz Xr
Topotecan Hcl	Hycamtin
Topotecan Hcl	Topotecan
Tositumomab (With Maltose)	Bexxar Dosimetric
Tositumomab (With Maltose)	Bexxar Therapeutic
Trabectedin	Yondelis
Trametinib Dimethyl Sulfoxide	Mekinist
Trastuzumab	Herceptin
Trastuzumab-Anns	Kanjinti
Trastuzumab-Dkst	Ogivri
Trastuzumab-Hyaluronidase-Oysk	Herceptin Hylecta
Trifluridine/Tipiracil Hcl	Lonsurf
Upadacitinib	Rinvoq
Valrubicin	Valrubicin
Valrubicin	Valstar
Vandetanib	Caprelsa
Vandetanib	Vandetanib
Vemurafenib	Zelboraf
Venetoclax	Venclexta
Venetoclax	Venclexta Starting Pack
Vinblastine Sulfate	Vinblastine
Vincristine Sulfate	Vincasar Pfs
Vincristine Sulfate	Vincristine
Vincristine Sulfate Liposomal	Marqibo
Vinorelbine Tartrate	Navelbine
Vinorelbine Tartrate	Vinorelbine
Vismodegib	Erivedge
Vorinostat	Zolinza
Zanubrutinib	Brukinsa
Ziv-Aflibercept	Zaltrap
<b>Nicotine dependence (smoking)</b>	
Calcium Carbonate	Tums
Famotidine	Acid Controller
Nicotine	Habitrol

**Appendix I. List of Generic and Brand Names of Medical Products Used to Define Baseline Therapy Use**

Generic name	Brand name
Nicotine	Nicoderm Cq
Nicotine	Nicotine
Nicotine	Nicotrol
Nicotine	Nicotrol Ns
Nicotine	Nts Step 1
Nicotine	Nts Step 2
Nicotine	Nts Step 3
Nicotine Polacrilex	Commit
Nicotine Polacrilex	Nicorelief
Nicotine Polacrilex	Nicorette
Nicotine Polacrilex	Nicorette Refill
Nicotine Polacrilex	Nicorette Starter Kit
Nicotine Polacrilex	Nicotine (Polacrilex)
Nicotine Polacrilex	Quit 2
Nicotine Polacrilex	Quit 4
Nicotine Polacrilex	Stop Smoking Aid
Nicotine Polacrilex	Thrive Nicotine
Pseudoephedrine Hcl	Nasal Decongestant (Pseudoeph)
Pyrrithione Zinc	Dandruff Shampoo (Pyrrithione)
Smoking Deterrent Filter	One Step At A Time
Varenicline Tartrate	Chantix
Varenicline Tartrate	Chantix Continuing Month Box
Varenicline Tartrate	Chantix Continuing Month Pak
Varenicline Tartrate	Chantix Starting Month Box
Varenicline Tartrate	Chantix Starting Month Pak



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

Code	Description	Code Category	Code Type
<b>Cerebrovascular disease</b>			
<b>Hospitalized stroke or transient ischemic attack</b>			
G450	Vertebro-basilar artery syndrome	Diagnosis	ICD-10-CM
G451	Carotid artery syndrome (hemispheric)	Diagnosis	ICD-10-CM
G452	Multiple and bilateral precerebral artery syndromes	Diagnosis	ICD-10-CM
G453	Amaurosis fugax	Diagnosis	ICD-10-CM
G454	Transient global amnesia	Diagnosis	ICD-10-CM
G458	Other transient cerebral ischemic attacks and related syndromes	Diagnosis	ICD-10-CM
G459	Transient cerebral ischemic attack, unspecified	Diagnosis	ICD-10-CM
G460	Middle cerebral artery syndrome	Diagnosis	ICD-10-CM
G461	Anterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G462	Posterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G463	Brain stem stroke syndrome	Diagnosis	ICD-10-CM
G464	Cerebellar stroke syndrome	Diagnosis	ICD-10-CM
G465	Pure motor lacunar syndrome	Diagnosis	ICD-10-CM
G466	Pure sensory lacunar syndrome	Diagnosis	ICD-10-CM
G467	Other lacunar syndromes	Diagnosis	ICD-10-CM
G468	Other vascular syndromes of brain in cerebrovascular diseases	Diagnosis	ICD-10-CM
I6000	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6001	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6002	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6010	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6011	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	Diagnosis	ICD-10-CM
I6012	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	Diagnosis	ICD-10-CM
I602	Nontraumatic subarachnoid hemorrhage from anterior communicating artery	Diagnosis	ICD-10-CM
I6020	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating artery	Diagnosis	ICD-10-CM
I6021	Nontraumatic subarachnoid hemorrhage from right anterior communicating artery	Diagnosis	ICD-10-CM
I6022	Nontraumatic subarachnoid hemorrhage from left anterior communicating artery	Diagnosis	ICD-10-CM
I6030	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	Diagnosis	ICD-10-CM
I6031	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	Diagnosis	ICD-10-CM
I6032	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	Diagnosis	ICD-10-CM
I604	Nontraumatic subarachnoid hemorrhage from basilar artery	Diagnosis	ICD-10-CM
I6050	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	Diagnosis	ICD-10-CM
I6051	Nontraumatic subarachnoid hemorrhage from right vertebral artery	Diagnosis	ICD-10-CM
I6052	Nontraumatic subarachnoid hemorrhage from left vertebral artery	Diagnosis	ICD-10-CM
I606	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	Diagnosis	ICD-10-CM
I607	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	Diagnosis	ICD-10-CM
I608	Other nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I609	Nontraumatic subarachnoid hemorrhage, unspecified	Diagnosis	ICD-10-CM
I610	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	Diagnosis	ICD-10-CM
I611	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	Diagnosis	ICD-10-CM
I612	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	Diagnosis	ICD-10-CM
I613	Nontraumatic intracerebral hemorrhage in brain stem	Diagnosis	ICD-10-CM
I614	Nontraumatic intracerebral hemorrhage in cerebellum	Diagnosis	ICD-10-CM
I615	Nontraumatic intracerebral hemorrhage, intraventricular	Diagnosis	ICD-10-CM
I616	Nontraumatic intracerebral hemorrhage, multiple localized	Diagnosis	ICD-10-CM
I618	Other nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I619	Nontraumatic intracerebral hemorrhage, unspecified	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6200	Nontraumatic subdural hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6201	Nontraumatic acute subdural hemorrhage	Diagnosis	ICD-10-CM
I6202	Nontraumatic subacute subdural hemorrhage	Diagnosis	ICD-10-CM
I6203	Nontraumatic chronic subdural hemorrhage	Diagnosis	ICD-10-CM
I629	Nontraumatic intracranial hemorrhage, unspecified	Diagnosis	ICD-10-CM
I63	Cerebral infarction	Diagnosis	ICD-10-CM
I630	Cerebral infarction due to thrombosis of precerebral arteries	Diagnosis	ICD-10-CM
I6300	Cerebral infarction due to thrombosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6301	Cerebral infarction due to thrombosis of vertebral artery	Diagnosis	ICD-10-CM
I63011	Cerebral infarction due to thrombosis of right vertebral artery	Diagnosis	ICD-10-CM
I63012	Cerebral infarction due to thrombosis of left vertebral artery	Diagnosis	ICD-10-CM
I63013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63019	Cerebral infarction due to thrombosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6302	Cerebral infarction due to thrombosis of basilar artery	Diagnosis	ICD-10-CM
I6303	Cerebral infarction due to thrombosis of carotid artery	Diagnosis	ICD-10-CM
I63031	Cerebral infarction due to thrombosis of right carotid artery	Diagnosis	ICD-10-CM
I63032	Cerebral infarction due to thrombosis of left carotid artery	Diagnosis	ICD-10-CM
I63033	Cerebral infarction due to thrombosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63039	Cerebral infarction due to thrombosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I6309	Cerebral infarction due to thrombosis of other precerebral artery	Diagnosis	ICD-10-CM
I631	Cerebral infarction due to embolism of precerebral arteries	Diagnosis	ICD-10-CM
I6310	Cerebral infarction due to embolism of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6311	Cerebral infarction due to embolism of vertebral artery	Diagnosis	ICD-10-CM
I63111	Cerebral infarction due to embolism of right vertebral artery	Diagnosis	ICD-10-CM
I63112	Cerebral infarction due to embolism of left vertebral artery	Diagnosis	ICD-10-CM
I63113	Cerebral infarction due to embolism of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63119	Cerebral infarction due to embolism of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6312	Cerebral infarction due to embolism of basilar artery	Diagnosis	ICD-10-CM
I6313	Cerebral infarction due to embolism of carotid artery	Diagnosis	ICD-10-CM
I63131	Cerebral infarction due to embolism of right carotid artery	Diagnosis	ICD-10-CM
I63132	Cerebral infarction due to embolism of left carotid artery	Diagnosis	ICD-10-CM
I63133	Cerebral infarction due to embolism of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63139	Cerebral infarction due to embolism of unspecified carotid artery	Diagnosis	ICD-10-CM
I6319	Cerebral infarction due to embolism of other precerebral artery	Diagnosis	ICD-10-CM
I632	Cerebral infarction due to unspecified occlusion or stenosis of precerebral arteries	Diagnosis	ICD-10-CM
I6320	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	Diagnosis	ICD-10-CM
I6321	Cerebral infarction due to unspecified occlusion or stenosis of vertebral arteries	Diagnosis	ICD-10-CM
I63211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral artery	Diagnosis	ICD-10-CM
I63212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery	Diagnosis	ICD-10-CM
I63213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6322	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery	Diagnosis	ICD-10-CM
I6323	Cerebral infarction due to unspecified occlusion or stenosis of carotid arteries	Diagnosis	ICD-10-CM
I63231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	Diagnosis	ICD-10-CM
I63232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	Diagnosis	ICD-10-CM
I63233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid artery	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6329	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
I633	Cerebral infarction due to thrombosis of cerebral arteries	Diagnosis	ICD-10-CM
I6330	Cerebral infarction due to thrombosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6331	Cerebral infarction due to thrombosis of middle cerebral artery	Diagnosis	ICD-10-CM
I63311	Cerebral infarction due to thrombosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63312	Cerebral infarction due to thrombosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6332	Cerebral infarction due to thrombosis of anterior cerebral artery	Diagnosis	ICD-10-CM
I63321	Cerebral infarction due to thrombosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63322	Cerebral infarction due to thrombosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6333	Cerebral infarction due to thrombosis of posterior cerebral artery	Diagnosis	ICD-10-CM
I63331	Cerebral infarction due to thrombosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63332	Cerebral infarction due to thrombosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63333	Cerebral infarction due to thrombosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I6334	Cerebral infarction due to thrombosis of cerebellar artery	Diagnosis	ICD-10-CM
I63341	Cerebral infarction due to thrombosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63342	Cerebral infarction due to thrombosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63343	Cerebral infarction due to thrombosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6339	Cerebral infarction due to thrombosis of other cerebral artery	Diagnosis	ICD-10-CM
I634	Cerebral infarction due to embolism of cerebral arteries	Diagnosis	ICD-10-CM
I6340	Cerebral infarction due to embolism of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6341	Cerebral infarction due to embolism of middle cerebral artery	Diagnosis	ICD-10-CM
I63411	Cerebral infarction due to embolism of right middle cerebral artery	Diagnosis	ICD-10-CM
I63412	Cerebral infarction due to embolism of left middle cerebral artery	Diagnosis	ICD-10-CM
I63413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63419	Cerebral infarction due to embolism of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6342	Cerebral infarction due to embolism of anterior cerebral artery	Diagnosis	ICD-10-CM
I63421	Cerebral infarction due to embolism of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63422	Cerebral infarction due to embolism of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6343	Cerebral infarction due to embolism of posterior cerebral artery	Diagnosis	ICD-10-CM
I63431	Cerebral infarction due to embolism of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63432	Cerebral infarction due to embolism of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I6344	Cerebral infarction due to embolism of cerebellar artery	Diagnosis	ICD-10-CM
I63441	Cerebral infarction due to embolism of right cerebellar artery	Diagnosis	ICD-10-CM
I63442	Cerebral infarction due to embolism of left cerebellar artery	Diagnosis	ICD-10-CM
I63443	Cerebral infarction due to embolism of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63449	Cerebral infarction due to embolism of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6349	Cerebral infarction due to embolism of other cerebral artery	Diagnosis	ICD-10-CM
I635	Cerebral infarction due to unspecified occlusion or stenosis of cerebral arteries	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6350	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6351	Cerebral infarction due to unspecified occlusion or stenosis of middle cerebral artery	Diagnosis	ICD-10-CM
I63511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6352	Cerebral infarction due to unspecified occlusion or stenosis of anterior cerebral artery	Diagnosis	ICD-10-CM
I63521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6353	Cerebral infarction due to unspecified occlusion or stenosis of posterior cerebral artery	Diagnosis	ICD-10-CM
I63531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I6354	Cerebral infarction due to unspecified occlusion or stenosis of cerebellar artery	Diagnosis	ICD-10-CM
I63541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	Diagnosis	ICD-10-CM
I636	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	Diagnosis	ICD-10-CM
I638	Other cerebral infarction	Diagnosis	ICD-10-CM
I6381	Other cerebral infarction due to occlusion or stenosis of small artery	Diagnosis	ICD-10-CM
I6389	Other cerebral infarction	Diagnosis	ICD-10-CM
I639	Cerebral infarction, unspecified	Diagnosis	ICD-10-CM
<b>Other hospitalized cerebrovascular disease</b>			
I6501	Occlusion and stenosis of right vertebral artery	Diagnosis	ICD-10-CM
I6502	Occlusion and stenosis of left vertebral artery	Diagnosis	ICD-10-CM
I6503	Occlusion and stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I6509	Occlusion and stenosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I651	Occlusion and stenosis of basilar artery	Diagnosis	ICD-10-CM
I6521	Occlusion and stenosis of right carotid artery	Diagnosis	ICD-10-CM
I6522	Occlusion and stenosis of left carotid artery	Diagnosis	ICD-10-CM
I6523	Occlusion and stenosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I6529	Occlusion and stenosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I658	Occlusion and stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
I659	Occlusion and stenosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6601	Occlusion and stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I6602	Occlusion and stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I6603	Occlusion and stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I6609	Occlusion and stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6611	Occlusion and stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I6612	Occlusion and stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6613	Occlusion and stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I6619	Occlusion and stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6621	Occlusion and stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I6622	Occlusion and stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I6623	Occlusion and stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I6629	Occlusion and stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I663	Occlusion and stenosis of cerebellar arteries	Diagnosis	ICD-10-CM
I668	Occlusion and stenosis of other cerebral arteries	Diagnosis	ICD-10-CM
I669	Occlusion and stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I670	Dissection of cerebral arteries, nonruptured	Diagnosis	ICD-10-CM
I671	Cerebral aneurysm, nonruptured	Diagnosis	ICD-10-CM
I672	Cerebral atherosclerosis	Diagnosis	ICD-10-CM
I673	Progressive vascular leukoencephalopathy	Diagnosis	ICD-10-CM
I674	Hypertensive encephalopathy	Diagnosis	ICD-10-CM
I675	Moyamoya disease	Diagnosis	ICD-10-CM
I676	Nonpyogenic thrombosis of intracranial venous system	Diagnosis	ICD-10-CM
I677	Cerebral arteritis, not elsewhere classified	Diagnosis	ICD-10-CM
I6781	Acute cerebrovascular insufficiency	Diagnosis	ICD-10-CM
I6782	Cerebral ischemia	Diagnosis	ICD-10-CM
I6783	Posterior reversible encephalopathy syndrome	Diagnosis	ICD-10-CM
I67841	Reversible cerebrovascular vasoconstriction syndrome	Diagnosis	ICD-10-CM
I67848	Other cerebrovascular vasospasm and vasoconstriction	Diagnosis	ICD-10-CM
I67850	Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy	Diagnosis	ICD-10-CM
I67858	Other hereditary cerebrovascular disease	Diagnosis	ICD-10-CM
I6789	Other cerebrovascular disease	Diagnosis	ICD-10-CM
I679	Cerebrovascular disease, unspecified	Diagnosis	ICD-10-CM
I680	Cerebral amyloid angiopathy	Diagnosis	ICD-10-CM
I682	Cerebral arteritis in other diseases classified elsewhere	Diagnosis	ICD-10-CM
I688	Other cerebrovascular disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
I6900	Unspecified sequelae of nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69010	Attention and concentration deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69011	Memory deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69012	Visuospatial deficit and spatial neglect following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69013	Psychomotor deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69014	Frontal lobe and executive function deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69015	Cognitive social or emotional deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69018	Other symptoms and signs involving cognitive functions following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69019	Unspecified symptoms and signs involving cognitive functions following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69020	Aphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69021	Dysphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69022	Dysarthria following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69023	Fluency disorder following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69028	Other speech and language deficits following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69031	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69032	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69033	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69034	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69039	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69041	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69042	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69043	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69044	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69049	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69061	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69062	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69063	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69064	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69065	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69069	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69090	Apraxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69091	Dysphagia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69092	Facial weakness following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69093	Ataxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69098	Other sequelae following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I6910	Unspecified sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69110	Attention and concentration deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69111	Memory deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69112	Visuospatial deficit and spatial neglect following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69113	Psychomotor deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69114	Frontal lobe and executive function deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69115	Cognitive social or emotional deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69118	Other symptoms and signs involving cognitive functions following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69119	Unspecified symptoms and signs involving cognitive functions following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69120	Aphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69121	Dysphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69122	Dysarthria following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69123	Fluency disorder following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69128	Other speech and language deficits following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69131	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69132	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69133	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69134	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69139	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69141	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69142	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69143	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69144	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69149	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69161	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69162	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69163	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69164	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69165	Other paralytic syndrome following nontraumatic intracerebral hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69169	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69190	Apraxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69191	Dysphagia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69192	Facial weakness following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69193	Ataxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69198	Other sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I6920	Unspecified sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6921	Cognitive deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69210	Attention and concentration deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69211	Memory deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69212	Visuospatial deficit and spatial neglect following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69213	Psychomotor deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69214	Frontal lobe and executive function deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69215	Cognitive social or emotional deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69218	Other symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69219	Unspecified symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69220	Aphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69221	Dysphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69222	Dysarthria following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69223	Fluency disorder following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69228	Other speech and language deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69231	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69232	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69233	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69234	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69239	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69241	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69242	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69243	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69244	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69249	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69261	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69262	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69263	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69264	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69265	Other paralytic syndrome following other nontraumatic intracranial hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69269	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69290	Apraxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69291	Dysphagia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69292	Facial weakness following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69293	Ataxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69298	Other sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6930	Unspecified sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6931	Cognitive deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69310	Attention and concentration deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69311	Memory deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69312	Visuospatial deficit and spatial neglect following cerebral infarction	Diagnosis	ICD-10-CM
I69313	Psychomotor deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69314	Frontal lobe and executive function deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69315	Cognitive social or emotional deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69318	Other symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69319	Unspecified symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69320	Aphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69321	Dysphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69322	Dysarthria following cerebral infarction	Diagnosis	ICD-10-CM
I69323	Fluency disorder following cerebral infarction	Diagnosis	ICD-10-CM
I69328	Other speech and language deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69331	Monoplegia of upper limb following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69332	Monoplegia of upper limb following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69333	Monoplegia of upper limb following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69334	Monoplegia of upper limb following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69339	Monoplegia of upper limb following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69341	Monoplegia of lower limb following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69342	Monoplegia of lower limb following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69343	Monoplegia of lower limb following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69344	Monoplegia of lower limb following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69349	Monoplegia of lower limb following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69361	Other paralytic syndrome following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69362	Other paralytic syndrome following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69365	Other paralytic syndrome following cerebral infarction, bilateral	Diagnosis	ICD-10-CM
I69369	Other paralytic syndrome following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69390	Apraxia following cerebral infarction	Diagnosis	ICD-10-CM
I69391	Dysphagia following cerebral infarction	Diagnosis	ICD-10-CM
I69392	Facial weakness following cerebral infarction	Diagnosis	ICD-10-CM
I69393	Ataxia following cerebral infarction	Diagnosis	ICD-10-CM
I69398	Other sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6980	Unspecified sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM
I6981	Cognitive deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69810	Attention and concentration deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69811	Memory deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69812	Visuospatial deficit and spatial neglect following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69813	Psychomotor deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69814	Frontal lobe and executive function deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69815	Cognitive social or emotional deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69818	Other symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69819	Unspecified symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69820	Aphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69821	Dysphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69822	Dysarthria following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69823	Fluency disorder following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69828	Other speech and language deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69831	Monoplegia of upper limb following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69832	Monoplegia of upper limb following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69833	Monoplegia of upper limb following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69834	Monoplegia of upper limb following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69839	Monoplegia of upper limb following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69841	Monoplegia of lower limb following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69842	Monoplegia of lower limb following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69843	Monoplegia of lower limb following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69844	Monoplegia of lower limb following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69849	Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant	Diagnosis	ICD-10-CM
I69853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69863	Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69865	Other paralytic syndrome following other cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69869	Other paralytic syndrome following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69890	Apraxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69891	Dysphagia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69892	Facial weakness following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69893	Ataxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69898	Other sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM
I699	Sequelae of unspecified cerebrovascular diseases	Diagnosis	ICD-10-CM
I6991	Cognitive deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69910	Attention and concentration deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69911	Memory deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69912	Visuospatial deficit and spatial neglect following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69913	Psychomotor deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69914	Frontal lobe and executive function deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69915	Cognitive social or emotional deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69918	Other symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69919	Unspecified symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69920	Aphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69921	Dysphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69922	Dysarthria following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69923	Fluency disorder following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69928	Other speech and language deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69931	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69932	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69933	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69934	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69939	Monoplegia of upper limb following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69941	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69942	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69943	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69944	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69949	Monoplegia of lower limb following unspecified cerebrovascular disease affecting	Diagnosis	ICD-10-CM
I69951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69961	Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69962	Other paralytic syndrome following unspecified cerebrovascular disease affecting left	Diagnosis	ICD-10-CM
I69963	Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69964	Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69965	Other paralytic syndrome following unspecified cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69969	Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69990	Apraxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69991	Dysphagia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69992	Facial weakness following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69993	Ataxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69998	Other sequelae following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
<b>Non-hospitalized cerebrovascular disease</b>			
G450	Vertebro-basilar artery syndrome	Diagnosis	ICD-10-CM
G451	Carotid artery syndrome (hemispheric)	Diagnosis	ICD-10-CM
G452	Multiple and bilateral precerebral artery syndromes	Diagnosis	ICD-10-CM
G453	Amaurosis fugax	Diagnosis	ICD-10-CM
G454	Transient global amnesia	Diagnosis	ICD-10-CM
G458	Other transient cerebral ischemic attacks and related syndromes	Diagnosis	ICD-10-CM
G459	Transient cerebral ischemic attack, unspecified	Diagnosis	ICD-10-CM
G460	Middle cerebral artery syndrome	Diagnosis	ICD-10-CM
G461	Anterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G462	Posterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G463	Brain stem stroke syndrome	Diagnosis	ICD-10-CM
G464	Cerebellar stroke syndrome	Diagnosis	ICD-10-CM
G465	Pure motor lacunar syndrome	Diagnosis	ICD-10-CM
G466	Pure sensory lacunar syndrome	Diagnosis	ICD-10-CM
G467	Other lacunar syndromes	Diagnosis	ICD-10-CM
G468	Other vascular syndromes of brain in cerebrovascular diseases	Diagnosis	ICD-10-CM
I6000	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6001	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6002	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6010	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6011	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	Diagnosis	ICD-10-CM
I6012	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	Diagnosis	ICD-10-CM
I602	Nontraumatic subarachnoid hemorrhage from anterior communicating artery	Diagnosis	ICD-10-CM
I6020	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating artery	Diagnosis	ICD-10-CM
I6021	Nontraumatic subarachnoid hemorrhage from right anterior communicating artery	Diagnosis	ICD-10-CM
I6022	Nontraumatic subarachnoid hemorrhage from left anterior communicating artery	Diagnosis	ICD-10-CM
I6030	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	Diagnosis	ICD-10-CM
I6031	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	Diagnosis	ICD-10-CM
I6032	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	Diagnosis	ICD-10-CM
I604	Nontraumatic subarachnoid hemorrhage from basilar artery	Diagnosis	ICD-10-CM
I6050	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	Diagnosis	ICD-10-CM
I6051	Nontraumatic subarachnoid hemorrhage from right vertebral artery	Diagnosis	ICD-10-CM
I6052	Nontraumatic subarachnoid hemorrhage from left vertebral artery	Diagnosis	ICD-10-CM
I606	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	Diagnosis	ICD-10-CM
I607	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	Diagnosis	ICD-10-CM
I608	Other nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I609	Nontraumatic subarachnoid hemorrhage, unspecified	Diagnosis	ICD-10-CM
I610	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	Diagnosis	ICD-10-CM
I611	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	Diagnosis	ICD-10-CM
I612	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	Diagnosis	ICD-10-CM
I613	Nontraumatic intracerebral hemorrhage in brain stem	Diagnosis	ICD-10-CM
I614	Nontraumatic intracerebral hemorrhage in cerebellum	Diagnosis	ICD-10-CM
I615	Nontraumatic intracerebral hemorrhage, intraventricular	Diagnosis	ICD-10-CM
I616	Nontraumatic intracerebral hemorrhage, multiple localized	Diagnosis	ICD-10-CM
I618	Other nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I619	Nontraumatic intracerebral hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6200	Nontraumatic subdural hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6201	Nontraumatic acute subdural hemorrhage	Diagnosis	ICD-10-CM
I6202	Nontraumatic subacute subdural hemorrhage	Diagnosis	ICD-10-CM
I6203	Nontraumatic chronic subdural hemorrhage	Diagnosis	ICD-10-CM
I629	Nontraumatic intracranial hemorrhage, unspecified	Diagnosis	ICD-10-CM
I63	Cerebral infarction	Diagnosis	ICD-10-CM
I630	Cerebral infarction due to thrombosis of precerebral arteries	Diagnosis	ICD-10-CM
I6300	Cerebral infarction due to thrombosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6301	Cerebral infarction due to thrombosis of vertebral artery	Diagnosis	ICD-10-CM
I63011	Cerebral infarction due to thrombosis of right vertebral artery	Diagnosis	ICD-10-CM
I63012	Cerebral infarction due to thrombosis of left vertebral artery	Diagnosis	ICD-10-CM
I63013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63019	Cerebral infarction due to thrombosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6302	Cerebral infarction due to thrombosis of basilar artery	Diagnosis	ICD-10-CM
I6303	Cerebral infarction due to thrombosis of carotid artery	Diagnosis	ICD-10-CM
I63031	Cerebral infarction due to thrombosis of right carotid artery	Diagnosis	ICD-10-CM
I63032	Cerebral infarction due to thrombosis of left carotid artery	Diagnosis	ICD-10-CM
I63033	Cerebral infarction due to thrombosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63039	Cerebral infarction due to thrombosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I6309	Cerebral infarction due to thrombosis of other precerebral artery	Diagnosis	ICD-10-CM
I631	Cerebral infarction due to embolism of precerebral arteries	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6310	Cerebral infarction due to embolism of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6311	Cerebral infarction due to embolism of vertebral artery	Diagnosis	ICD-10-CM
I63111	Cerebral infarction due to embolism of right vertebral artery	Diagnosis	ICD-10-CM
I63112	Cerebral infarction due to embolism of left vertebral artery	Diagnosis	ICD-10-CM
I63113	Cerebral infarction due to embolism of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63119	Cerebral infarction due to embolism of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6312	Cerebral infarction due to embolism of basilar artery	Diagnosis	ICD-10-CM
I6313	Cerebral infarction due to embolism of carotid artery	Diagnosis	ICD-10-CM
I63131	Cerebral infarction due to embolism of right carotid artery	Diagnosis	ICD-10-CM
I63132	Cerebral infarction due to embolism of left carotid artery	Diagnosis	ICD-10-CM
I63133	Cerebral infarction due to embolism of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63139	Cerebral infarction due to embolism of unspecified carotid artery	Diagnosis	ICD-10-CM
I6319	Cerebral infarction due to embolism of other precerebral artery	Diagnosis	ICD-10-CM
I632	Cerebral infarction due to unspecified occlusion or stenosis of precerebral arteries	Diagnosis	ICD-10-CM
I6320	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	Diagnosis	ICD-10-CM
I6321	Cerebral infarction due to unspecified occlusion or stenosis of vertebral arteries	Diagnosis	ICD-10-CM
I63211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral artery	Diagnosis	ICD-10-CM
I63212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery	Diagnosis	ICD-10-CM
I63213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6322	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery	Diagnosis	ICD-10-CM
I6323	Cerebral infarction due to unspecified occlusion or stenosis of carotid arteries	Diagnosis	ICD-10-CM
I63231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	Diagnosis	ICD-10-CM
I63232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	Diagnosis	ICD-10-CM
I63233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I6329	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
I633	Cerebral infarction due to thrombosis of cerebral arteries	Diagnosis	ICD-10-CM
I6330	Cerebral infarction due to thrombosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6331	Cerebral infarction due to thrombosis of middle cerebral artery	Diagnosis	ICD-10-CM
I63311	Cerebral infarction due to thrombosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63312	Cerebral infarction due to thrombosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6332	Cerebral infarction due to thrombosis of anterior cerebral artery	Diagnosis	ICD-10-CM
I63321	Cerebral infarction due to thrombosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63322	Cerebral infarction due to thrombosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6333	Cerebral infarction due to thrombosis of posterior cerebral artery	Diagnosis	ICD-10-CM
I63331	Cerebral infarction due to thrombosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63332	Cerebral infarction due to thrombosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63333	Cerebral infarction due to thrombosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I6334	Cerebral infarction due to thrombosis of cerebellar artery	Diagnosis	ICD-10-CM
I63341	Cerebral infarction due to thrombosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63342	Cerebral infarction due to thrombosis of left cerebellar artery	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I63343	Cerebral infarction due to thrombosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6339	Cerebral infarction due to thrombosis of other cerebral artery	Diagnosis	ICD-10-CM
I634	Cerebral infarction due to embolism of cerebral arteries	Diagnosis	ICD-10-CM
I6340	Cerebral infarction due to embolism of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6341	Cerebral infarction due to embolism of middle cerebral artery	Diagnosis	ICD-10-CM
I63411	Cerebral infarction due to embolism of right middle cerebral artery	Diagnosis	ICD-10-CM
I63412	Cerebral infarction due to embolism of left middle cerebral artery	Diagnosis	ICD-10-CM
I63413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63419	Cerebral infarction due to embolism of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6342	Cerebral infarction due to embolism of anterior cerebral artery	Diagnosis	ICD-10-CM
I63421	Cerebral infarction due to embolism of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63422	Cerebral infarction due to embolism of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6343	Cerebral infarction due to embolism of posterior cerebral artery	Diagnosis	ICD-10-CM
I63431	Cerebral infarction due to embolism of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63432	Cerebral infarction due to embolism of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I6344	Cerebral infarction due to embolism of cerebellar artery	Diagnosis	ICD-10-CM
I63441	Cerebral infarction due to embolism of right cerebellar artery	Diagnosis	ICD-10-CM
I63442	Cerebral infarction due to embolism of left cerebellar artery	Diagnosis	ICD-10-CM
I63443	Cerebral infarction due to embolism of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63449	Cerebral infarction due to embolism of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6349	Cerebral infarction due to embolism of other cerebral artery	Diagnosis	ICD-10-CM
I635	Cerebral infarction due to unspecified occlusion or stenosis of cerebral arteries	Diagnosis	ICD-10-CM
I6350	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6351	Cerebral infarction due to unspecified occlusion or stenosis of middle cerebral artery	Diagnosis	ICD-10-CM
I63511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral	Diagnosis	ICD-10-CM
I63519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral	Diagnosis	ICD-10-CM
I6352	Cerebral infarction due to unspecified occlusion or stenosis of anterior cerebral artery	Diagnosis	ICD-10-CM
I63521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral	Diagnosis	ICD-10-CM
I63529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral	Diagnosis	ICD-10-CM
I6353	Cerebral infarction due to unspecified occlusion or stenosis of posterior cerebral artery	Diagnosis	ICD-10-CM
I63531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral	Diagnosis	ICD-10-CM
I63539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral	Diagnosis	ICD-10-CM
I6354	Cerebral infarction due to unspecified occlusion or stenosis of cerebellar artery	Diagnosis	ICD-10-CM
I63541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	Diagnosis	ICD-10-CM
I636	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	Diagnosis	ICD-10-CM
I638	Other cerebral infarction	Diagnosis	ICD-10-CM
I6381	Other cerebral infarction due to occlusion or stenosis of small artery	Diagnosis	ICD-10-CM
I6389	Other cerebral infarction	Diagnosis	ICD-10-CM
I639	Cerebral infarction, unspecified	Diagnosis	ICD-10-CM
I6501	Occlusion and stenosis of right vertebral artery	Diagnosis	ICD-10-CM
I6502	Occlusion and stenosis of left vertebral artery	Diagnosis	ICD-10-CM
I6503	Occlusion and stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I6509	Occlusion and stenosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I651	Occlusion and stenosis of basilar artery	Diagnosis	ICD-10-CM
I6521	Occlusion and stenosis of right carotid artery	Diagnosis	ICD-10-CM
I6522	Occlusion and stenosis of left carotid artery	Diagnosis	ICD-10-CM
I6523	Occlusion and stenosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I6529	Occlusion and stenosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I658	Occlusion and stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
I659	Occlusion and stenosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I6601	Occlusion and stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I6602	Occlusion and stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I6603	Occlusion and stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I6609	Occlusion and stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6611	Occlusion and stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I6612	Occlusion and stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I6613	Occlusion and stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I6619	Occlusion and stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6621	Occlusion and stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I6622	Occlusion and stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I6623	Occlusion and stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I6629	Occlusion and stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I663	Occlusion and stenosis of cerebellar arteries	Diagnosis	ICD-10-CM
I668	Occlusion and stenosis of other cerebral arteries	Diagnosis	ICD-10-CM
I669	Occlusion and stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I670	Dissection of cerebral arteries, nonruptured	Diagnosis	ICD-10-CM
I671	Cerebral aneurysm, nonruptured	Diagnosis	ICD-10-CM
I672	Cerebral atherosclerosis	Diagnosis	ICD-10-CM
I673	Progressive vascular leukoencephalopathy	Diagnosis	ICD-10-CM
I674	Hypertensive encephalopathy	Diagnosis	ICD-10-CM
I675	Moyamoya disease	Diagnosis	ICD-10-CM
I676	Nonpyogenic thrombosis of intracranial venous system	Diagnosis	ICD-10-CM
I677	Cerebral arteritis, not elsewhere classified	Diagnosis	ICD-10-CM
I6781	Acute cerebrovascular insufficiency	Diagnosis	ICD-10-CM
I6782	Cerebral ischemia	Diagnosis	ICD-10-CM
I6783	Posterior reversible encephalopathy syndrome	Diagnosis	ICD-10-CM
I67841	Reversible cerebrovascular vasoconstriction syndrome	Diagnosis	ICD-10-CM
I67848	Other cerebrovascular vasospasm and vasoconstriction	Diagnosis	ICD-10-CM
I67850	Cerebral autosomal dominant arteriopathy with subcortical infarcts and	Diagnosis	ICD-10-CM
I67858	Other hereditary cerebrovascular disease	Diagnosis	ICD-10-CM
I6789	Other cerebrovascular disease	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I679	Cerebrovascular disease, unspecified	Diagnosis	ICD-10-CM
I680	Cerebral amyloid angiopathy	Diagnosis	ICD-10-CM
I682	Cerebral arteritis in other diseases classified elsewhere	Diagnosis	ICD-10-CM
I688	Other cerebrovascular disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
I6900	Unspecified sequelae of nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69010	Attention and concentration deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69011	Memory deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69012	Visuospatial deficit and spatial neglect following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69013	Psychomotor deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69014	Frontal lobe and executive function deficit following nontraumatic subarachnoid	Diagnosis	ICD-10-CM
I69015	Cognitive social or emotional deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69018	Other symptoms and signs involving cognitive functions following nontraumatic	Diagnosis	ICD-10-CM
I69019	Unspecified symptoms and signs involving cognitive functions following nontraumatic	Diagnosis	ICD-10-CM
I69020	Aphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69021	Dysphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69022	Dysarthria following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69023	Fluency disorder following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69028	Other speech and language deficits following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69031	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69032	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69033	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69034	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69039	Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69041	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69042	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69043	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69044	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69049	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69061	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69062	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69063	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69064	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69065	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69069	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69090	Apraxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69091	Dysphagia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69092	Facial weakness following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69093	Ataxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69098	Other sequelae following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I6910	Unspecified sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69110	Attention and concentration deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69111	Memory deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69112	Visuospatial deficit and spatial neglect following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69113	Psychomotor deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69114	Frontal lobe and executive function deficit following nontraumatic intracerebral	Diagnosis	ICD-10-CM
I69115	Cognitive social or emotional deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69118	Other symptoms and signs involving cognitive functions following nontraumatic	Diagnosis	ICD-10-CM
I69119	Unspecified symptoms and signs involving cognitive functions following nontraumatic	Diagnosis	ICD-10-CM
I69120	Aphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69121	Dysphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69122	Dysarthria following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69123	Fluency disorder following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69128	Other speech and language deficits following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69131	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69132	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69133	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69134	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69139	Monoplegia of upper limb following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69141	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69142	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69143	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69144	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69149	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69161	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69162	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69163	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69164	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69165	Other paralytic syndrome following nontraumatic intracerebral hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69169	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69190	Apraxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69191	Dysphagia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69192	Facial weakness following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69193	Ataxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69198	Other sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I6920	Unspecified sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6921	Cognitive deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69210	Attention and concentration deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69211	Memory deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69212	Visuospatial deficit and spatial neglect following other nontraumatic intracranial	Diagnosis	ICD-10-CM
I69213	Psychomotor deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69214	Frontal lobe and executive function deficit following other nontraumatic intracranial	Diagnosis	ICD-10-CM
I69215	Cognitive social or emotional deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69218	Other symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69219	Unspecified symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69220	Aphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69221	Dysphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69222	Dysarthria following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69223	Fluency disorder following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69228	Other speech and language deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69231	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting	Diagnosis	ICD-10-CM
I69232	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69233	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69234	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69239	Monoplegia of upper limb following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69241	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69242	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69243	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69244	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69249	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69261	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69262	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69263	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69264	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69265	Other paralytic syndrome following other nontraumatic intracranial hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69269	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69290	Apraxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69291	Dysphagia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69292	Facial weakness following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69293	Ataxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69298	Other sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6930	Unspecified sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6931	Cognitive deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69310	Attention and concentration deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69311	Memory deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69312	Visuospatial deficit and spatial neglect following cerebral infarction	Diagnosis	ICD-10-CM
I69313	Psychomotor deficit following cerebral infarction	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69314	Frontal lobe and executive function deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69315	Cognitive social or emotional deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69318	Other symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69319	Unspecified symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69320	Aphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69321	Dysphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69322	Dysarthria following cerebral infarction	Diagnosis	ICD-10-CM
I69323	Fluency disorder following cerebral infarction	Diagnosis	ICD-10-CM
I69328	Other speech and language deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69331	Monoplegia of upper limb following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69332	Monoplegia of upper limb following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69333	Monoplegia of upper limb following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69334	Monoplegia of upper limb following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69339	Monoplegia of upper limb following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69341	Monoplegia of lower limb following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69342	Monoplegia of lower limb following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69343	Monoplegia of lower limb following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69344	Monoplegia of lower limb following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69349	Monoplegia of lower limb following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69361	Other paralytic syndrome following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69362	Other paralytic syndrome following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69365	Other paralytic syndrome following cerebral infarction, bilateral	Diagnosis	ICD-10-CM
I69369	Other paralytic syndrome following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69390	Apraxia following cerebral infarction	Diagnosis	ICD-10-CM
I69391	Dysphagia following cerebral infarction	Diagnosis	ICD-10-CM
I69392	Facial weakness following cerebral infarction	Diagnosis	ICD-10-CM
I69393	Ataxia following cerebral infarction	Diagnosis	ICD-10-CM
I69398	Other sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6980	Unspecified sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM
I6981	Cognitive deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69810	Attention and concentration deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69811	Memory deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69812	Visuospatial deficit and spatial neglect following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69813	Psychomotor deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69814	Frontal lobe and executive function deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69815	Cognitive social or emotional deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69818	Other symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69819	Unspecified symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69820	Aphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69821	Dysphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69822	Dysarthria following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69823	Fluency disorder following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69828	Other speech and language deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69831	Monoplegia of upper limb following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69832	Monoplegia of upper limb following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69833	Monoplegia of upper limb following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69834	Monoplegia of upper limb following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69839	Monoplegia of upper limb following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69841	Monoplegia of lower limb following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69842	Monoplegia of lower limb following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69843	Monoplegia of lower limb following other cerebrovascular disease affecting right non-	Diagnosis	ICD-10-CM
I69844	Monoplegia of lower limb following other cerebrovascular disease affecting left non-	Diagnosis	ICD-10-CM
I69849	Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69863	Other paralytic syndrome following other cerebrovascular disease affecting right non-	Diagnosis	ICD-10-CM
I69864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69865	Other paralytic syndrome following other cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69869	Other paralytic syndrome following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69890	Apraxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69891	Dysphagia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69892	Facial weakness following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69893	Ataxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69898	Other sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM
I699	Sequelae of unspecified cerebrovascular diseases	Diagnosis	ICD-10-CM
I6991	Cognitive deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69910	Attention and concentration deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69911	Memory deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69912	Visuospatial deficit and spatial neglect following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69913	Psychomotor deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69914	Frontal lobe and executive function deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69915	Cognitive social or emotional deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69918	Other symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69919	Unspecified symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69920	Aphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69921	Dysphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69922	Dysarthria following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69923	Fluency disorder following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69928	Other speech and language deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69931	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69932	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left	Diagnosis	ICD-10-CM
I69933	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69934	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69939	Monoplegia of upper limb following unspecified cerebrovascular disease affecting	Diagnosis	ICD-10-CM
I69941	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69942	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left	Diagnosis	ICD-10-CM
I69943	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69944	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69949	Monoplegia of lower limb following unspecified cerebrovascular disease affecting	Diagnosis	ICD-10-CM
I69951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69961	Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69962	Other paralytic syndrome following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69963	Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69964	Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69965	Other paralytic syndrome following unspecified cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69969	Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69990	Apraxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69991	Dysphagia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69992	Facial weakness following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69993	Ataxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69998	Other sequelae following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
<b>Cardiovascular disease</b>			
<b>Atrial fibrillation</b>			
I480	Paroxysmal atrial fibrillation	Diagnosis	ICD-10-CM
I481	Persistent atrial fibrillation	Diagnosis	ICD-10-CM
I4811	Longstanding persistent atrial fibrillation	Diagnosis	ICD-10-CM
I4819	Other persistent atrial fibrillation	Diagnosis	ICD-10-CM
I482	Chronic atrial fibrillation	Diagnosis	ICD-10-CM
I4820	Chronic atrial fibrillation, unspecified	Diagnosis	ICD-10-CM
I4821	Permanent atrial fibrillation	Diagnosis	ICD-10-CM
I483	Typical atrial flutter	Diagnosis	ICD-10-CM
I484	Atypical atrial flutter	Diagnosis	ICD-10-CM
I4891	Unspecified atrial fibrillation	Diagnosis	ICD-10-CM
I4892	Unspecified atrial flutter	Diagnosis	ICD-10-CM
<b>Congestive heart failure</b>			
I0981	Rheumatic heart failure	Diagnosis	ICD-10-CM
I110	Hypertensive heart disease with heart failure	Diagnosis	ICD-10-CM
I130	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I2601	Septic pulmonary embolism with acute cor pulmonale	Diagnosis	ICD-10-CM
I2602	Saddle embolus of pulmonary artery with acute cor pulmonale	Diagnosis	ICD-10-CM
I2609	Other pulmonary embolism with acute cor pulmonale	Diagnosis	ICD-10-CM
I2781	Cor pulmonale (chronic)	Diagnosis	ICD-10-CM
I2783	Eisenmenger's syndrome	Diagnosis	ICD-10-CM
I502	Systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5020	Unspecified systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5021	Acute systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5022	Chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5023	Acute on chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I503	Diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5030	Unspecified diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5031	Acute diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5032	Chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5033	Acute on chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I504	Combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5040	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5041	Acute combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5042	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5043	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I5081	Right heart failure	Diagnosis	ICD-10-CM
I50810	Right heart failure, unspecified	Diagnosis	ICD-10-CM
I50811	Acute right heart failure	Diagnosis	ICD-10-CM
I50812	Chronic right heart failure	Diagnosis	ICD-10-CM
I50813	Acute on chronic right heart failure	Diagnosis	ICD-10-CM
I50814	Right heart failure due to left heart failure	Diagnosis	ICD-10-CM
I5082	Biventricular heart failure	Diagnosis	ICD-10-CM
I5083	High output heart failure	Diagnosis	ICD-10-CM
I5084	End stage heart failure	Diagnosis	ICD-10-CM
I5089	Other heart failure	Diagnosis	ICD-10-CM
I509	Heart failure, unspecified	Diagnosis	ICD-10-CM
G8694	Left ventricular ejection fraction (lvef) < 40%	Procedure	HCPCS
G8923	Left ventricular ejection fraction (lvef) < 40% or documentation of moderately or severely depressed left ventricular systolic function	Procedure	HCPCS
G8934	Left ventricular ejection fraction (lvef) <40% or documentation of moderately or severely depressed left ventricular systolic function	Procedure	HCPCS
G8738	Left ventricular ejection fraction (lvef) < 40% or documentation of severely or moderately depressed left ventricular systolic function	Procedure	HCPCS
G8451	Beta-blocker therapy for lvef < 40% not prescribed for reasons documented by the clinician (e.g., low blood pressure, fluid overload, asthma, patients recently treated with an intravenous positive inotropic agent, allergy, intolerance, other medical reasons, patient declined, other patient reasons, or other reasons attributable to the healthcare system)	Procedure	HCPCS
<b>Coronary revascularization</b>			
Z951	Presence of aortocoronary bypass graft	Diagnosis	ICD-10-CM
Z955	Presence of coronary angioplasty implant and graft	Diagnosis	ICD-10-CM
Z9861	Coronary angioplasty status	Diagnosis	ICD-10-CM
0210083	Bypass Coronary Artery, One Artery from Coronary Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
0210088	Bypass Coronary Artery, One Artery from Right Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0210089	Bypass Coronary Artery, One Artery from Left Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021008C	Bypass Coronary Artery, One Artery from Thoracic Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
021008F	Bypass Coronary Artery, One Artery from Abdominal Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
021008W	Bypass Coronary Artery, One Artery from Aorta with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0210093	Bypass Coronary Artery, One Artery from Coronary Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0210098	Bypass Coronary Artery, One Artery from Right Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0210099	Bypass Coronary Artery, One Artery from Left Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021009C	Bypass Coronary Artery, One Artery from Thoracic Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021009F	Bypass Coronary Artery, One Artery from Abdominal Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021009W	Bypass Coronary Artery, One Artery from Aorta with Autologous Venous Tissue, Open	Procedure	ICD-10-PCS
02100A3	Bypass Coronary Artery, One Artery from Coronary Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02100A8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02100A9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02100AC	Bypass Coronary Artery, One Artery from Thoracic Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02100AF	Bypass Coronary Artery, One Artery from Abdominal Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02100AW	Bypass Coronary Artery, One Artery from Aorta with Autologous Arterial Tissue, Open	Procedure	ICD-10-PCS
02100J3	Bypass Coronary Artery, One Artery from Coronary Artery with Synthetic Substitute, Open	Procedure	ICD-10-PCS
02100J8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02100J9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02100JC	Bypass Coronary Artery, One Artery from Thoracic Artery with Synthetic Substitute, Open	Procedure	ICD-10-PCS
02100JF	Bypass Coronary Artery, One Artery from Abdominal Artery with Synthetic Substitute, Open	Procedure	ICD-10-PCS
02100JW	Bypass Coronary Artery, One Artery from Aorta with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02100K3	Bypass Coronary Artery, One Artery from Coronary Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100K8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100K9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100KC	Bypass Coronary Artery, One Artery from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100KF	Bypass Coronary Artery, One Artery from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100KW	Bypass Coronary Artery, One Artery from Aorta with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02100Z3	Bypass Coronary Artery, One Artery from Coronary Artery, Open Approach	Procedure	ICD-10-PCS
02100Z8	Bypass Coronary Artery, One Artery from Right Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02100Z9	Bypass Coronary Artery, One Artery from Left Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02100ZC	Bypass Coronary Artery, One Artery from Thoracic Artery, Open Approach	Procedure	ICD-10-PCS
02100ZF	Bypass Coronary Artery, One Artery from Abdominal Artery, Open Approach	Procedure	ICD-10-PCS
0210344	Bypass Coronary Artery, One Artery from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02103D4	Bypass Coronary Artery, One Artery from Coronary Vein with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0210444	Bypass Coronary Artery, One Artery from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210483	Bypass Coronary Artery, One Artery from Coronary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210488	Bypass Coronary Artery, One Artery from Right Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210489	Bypass Coronary Artery, One Artery from Left Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021048C	Bypass Coronary Artery, One Artery from Thoracic Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
021048F	Bypass Coronary Artery, One Artery from Abdominal Artery with Zooplasic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021048W	Bypass Coronary Artery, One Artery from Aorta with Zooplasic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210493	Bypass Coronary Artery, One Artery from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210498	Bypass Coronary Artery, One Artery from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0210499	Bypass Coronary Artery, One Artery from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021049C	Bypass Coronary Artery, One Artery from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021049F	Bypass Coronary Artery, One Artery from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021049W	Bypass Coronary Artery, One Artery from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104A3	Bypass Coronary Artery, One Artery from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104A8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104A9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104AC	Bypass Coronary Artery, One Artery from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104AF	Bypass Coronary Artery, One Artery from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104AW	Bypass Coronary Artery, One Artery from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104D4	Bypass Coronary Artery, One Artery from Coronary Vein with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104J3	Bypass Coronary Artery, One Artery from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104J8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104J9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104JC	Bypass Coronary Artery, One Artery from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104JF	Bypass Coronary Artery, One Artery from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104JW	Bypass Coronary Artery, One Artery from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104K3	Bypass Coronary Artery, One Artery from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104K8	Bypass Coronary Artery, One Artery from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104K9	Bypass Coronary Artery, One Artery from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02104KC	Bypass Coronary Artery, One Artery from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104KF	Bypass Coronary Artery, One Artery from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104KW	Bypass Coronary Artery, One Artery from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104Z3	Bypass Coronary Artery, One Artery from Coronary Artery, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02104Z8	Bypass Coronary Artery, One Artery from Right Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02104Z9	Bypass Coronary Artery, One Artery from Left Internal Mammary, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02104ZC	Bypass Coronary Artery, One Artery from Thoracic Artery, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02104ZF	Bypass Coronary Artery, One Artery from Abdominal Artery, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0211083	Bypass Coronary Artery, Two Arteries from Coronary Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
0211088	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0211089	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021108C	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
021108F	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Zooplastic Tissue, Open	Procedure	ICD-10-PCS
021108W	Bypass Coronary Artery, Two Arteries from Aorta with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0211093	Bypass Coronary Artery, Two Arteries from Coronary Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0211098	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0211099	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021109C	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021109F	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021109W	Bypass Coronary Artery, Two Arteries from Aorta with Autologous Venous Tissue, Open	Procedure	ICD-10-PCS
02110A3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02110A8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02110A9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02110AC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02110AF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02110AW	Bypass Coronary Artery, Two Arteries from Aorta with Autologous Arterial Tissue, Open	Procedure	ICD-10-PCS
02110J3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Synthetic Substitute, Open	Procedure	ICD-10-PCS
02110J8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02110J9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02110JC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02110JF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02110JW	Bypass Coronary Artery, Two Arteries from Aorta with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02110K3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110K8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110K9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110KC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110KF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110KW	Bypass Coronary Artery, Two Arteries from Aorta with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02110Z3	Bypass Coronary Artery, Two Arteries from Coronary Artery, Open Approach	Procedure	ICD-10-PCS
02110Z8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02110Z9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02110ZC	Bypass Coronary Artery, Two Arteries from Thoracic Artery, Open Approach	Procedure	ICD-10-PCS
02110ZF	Bypass Coronary Artery, Two Arteries from Abdominal Artery, Open Approach	Procedure	ICD-10-PCS
0211344	Bypass Coronary Artery, Two Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02113D4	Bypass Coronary Artery, Two Arteries from Coronary Vein with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0211444	Bypass Coronary Artery, Two Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211483	Bypass Coronary Artery, Two Arteries from Coronary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211488	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211489	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021148C	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021148F	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021148W	Bypass Coronary Artery, Two Arteries from Aorta with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211493	Bypass Coronary Artery, Two Arteries from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211498	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0211499	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021149C	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
021149F	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021149W	Bypass Coronary Artery, Two Arteries from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114A3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114A8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114A9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114AC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114AF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114AW	Bypass Coronary Artery, Two Arteries from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114D4	Bypass Coronary Artery, Two Arteries from Coronary Vein with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114J3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114J8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114J9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114JC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114JF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114JW	Bypass Coronary Artery, Two Arteries from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114K3	Bypass Coronary Artery, Two Arteries from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114K8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114K9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114KC	Bypass Coronary Artery, Two Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114KF	Bypass Coronary Artery, Two Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114KW	Bypass Coronary Artery, Two Arteries from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114Z3	Bypass Coronary Artery, Two Arteries from Coronary Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114Z8	Bypass Coronary Artery, Two Arteries from Right Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114Z9	Bypass Coronary Artery, Two Arteries from Left Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02114ZC	Bypass Coronary Artery, Two Arteries from Thoracic Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02114ZF	Bypass Coronary Artery, Two Arteries from Abdominal Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212083	Bypass Coronary Artery, Three Arteries from Coronary Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0212088	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0212089	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021208C	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021208F	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021208W	Bypass Coronary Artery, Three Arteries from Aorta with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0212093	Bypass Coronary Artery, Three Arteries from Coronary Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0212098	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0212099	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021209C	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021209F	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021209W	Bypass Coronary Artery, Three Arteries from Aorta with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
02120A3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120A8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120A9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120AC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120AF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120AW	Bypass Coronary Artery, Three Arteries from Aorta with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02120J3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02120J8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02120J9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02120JC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02120JF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02120JW	Bypass Coronary Artery, Three Arteries from Aorta with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02120K3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120K8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120K9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120KC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120KF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120KW	Bypass Coronary Artery, Three Arteries from Aorta with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02120Z3	Bypass Coronary Artery, Three Arteries from Coronary Artery, Open Approach	Procedure	ICD-10-PCS
02120Z8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02120Z9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02120ZC	Bypass Coronary Artery, Three Arteries from Thoracic Artery, Open Approach	Procedure	ICD-10-PCS
02120ZF	Bypass Coronary Artery, Three Arteries from Abdominal Artery, Open Approach	Procedure	ICD-10-PCS
0212344	Bypass Coronary Artery, Three Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02123D4	Bypass Coronary Artery, Three Arteries from Coronary Vein with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0212444	Bypass Coronary Artery, Three Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212483	Bypass Coronary Artery, Three Arteries from Coronary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212488	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212489	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021248C	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021248F	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021248W	Bypass Coronary Artery, Three Arteries from Aorta with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212493	Bypass Coronary Artery, Three Arteries from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212498	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0212499	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021249C	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
021249F	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021249W	Bypass Coronary Artery, Three Arteries from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124A3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124A8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124A9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124AC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124AF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124AW	Bypass Coronary Artery, Three Arteries from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124D4	Bypass Coronary Artery, Three Arteries from Coronary Vein with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124J3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124J8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124J9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124JC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124JF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124JW	Bypass Coronary Artery, Three Arteries from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124K3	Bypass Coronary Artery, Three Arteries from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124K8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124K9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124KC	Bypass Coronary Artery, Three Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124KF	Bypass Coronary Artery, Three Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124KW	Bypass Coronary Artery, Three Arteries from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124Z3	Bypass Coronary Artery, Three Arteries from Coronary Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124Z8	Bypass Coronary Artery, Three Arteries from Right Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124Z9	Bypass Coronary Artery, Three Arteries from Left Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02124ZC	Bypass Coronary Artery, Three Arteries from Thoracic Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02124ZF	Bypass Coronary Artery, Three Arteries from Abdominal Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213083	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0213088	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0213089	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021308C	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021308F	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
021308W	Bypass Coronary Artery, Four or More Arteries from Aorta with Zooplastic Tissue, Open Approach	Procedure	ICD-10-PCS
0213093	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0213098	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
0213099	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021309C	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021309F	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
021309W	Bypass Coronary Artery, Four or More Arteries from Aorta with Autologous Venous Tissue, Open Approach	Procedure	ICD-10-PCS
02130A3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130A8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130A9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130AC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130AF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130AW	Bypass Coronary Artery, Four or More Arteries from Aorta with Autologous Arterial Tissue, Open Approach	Procedure	ICD-10-PCS
02130J3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02130J8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02130J9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02130JC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02130JF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02130JW	Bypass Coronary Artery, Four or More Arteries from Aorta with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
02130K3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130K8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130K9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130KC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130KF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130KW	Bypass Coronary Artery, Four or More Arteries from Aorta with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
02130Z3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery, Open Approach	Procedure	ICD-10-PCS
02130Z8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02130Z9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary, Open Approach	Procedure	ICD-10-PCS
02130ZC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery, Open Approach	Procedure	ICD-10-PCS
02130ZF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery, Open Approach	Procedure	ICD-10-PCS
0213344	Bypass Coronary Artery, Four or More Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02133D4	Bypass Coronary Artery, Four or More Arteries from Coronary Vein with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0213444	Bypass Coronary Artery, Four or More Arteries from Coronary Vein with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213483	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213488	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213489	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021348C	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021348F	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021348W	Bypass Coronary Artery, Four or More Arteries from Aorta with Zooplastic Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213493	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213498	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0213499	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
021349C	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021349F	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
021349W	Bypass Coronary Artery, Four or More Arteries from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134A3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134A8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134A9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134AC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134AF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134AW	Bypass Coronary Artery, Four or More Arteries from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134D4	Bypass Coronary Artery, Four or More Arteries from Coronary Vein with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134J3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134J8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134J9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134JC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134JF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134JW	Bypass Coronary Artery, Four or More Arteries from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134K3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134K8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134K9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134KC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134KF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134KW	Bypass Coronary Artery, Four or More Arteries from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134Z3	Bypass Coronary Artery, Four or More Arteries from Coronary Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134Z8	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02134Z9	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134ZC	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02134ZF	Bypass Coronary Artery, Four or More Arteries from Abdominal Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0270046	Dilation of Coronary Artery, One Artery, Bifurcation, with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
027004Z	Dilation of Coronary Artery, One Artery with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
0270056	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027005Z	Dilation of Coronary Artery, One Artery with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0270066	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027006Z	Dilation of Coronary Artery, One Artery with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0270076	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027007Z	Dilation of Coronary Artery, One Artery with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700D6	Dilation of Coronary Artery, One Artery, Bifurcation, with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02700DZ	Dilation of Coronary Artery, One Artery with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02700E6	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700EZ	Dilation of Coronary Artery, One Artery with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700F6	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700FZ	Dilation of Coronary Artery, One Artery with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700G6	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700GZ	Dilation of Coronary Artery, One Artery with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02700T6	Dilation of Coronary Artery, One Artery, Bifurcation, with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02700TZ	Dilation of Coronary Artery, One Artery with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02700Z6	Dilation of Coronary Artery, One Artery, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02700ZZ	Dilation of Coronary Artery, One Artery, Open Approach	Procedure	ICD-10-PCS
0270346	Dilation of Coronary Artery, One Artery, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
027034Z	Dilation of Coronary Artery, One Artery with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0270356	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027035Z	Dilation of Coronary Artery, One Artery with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0270366	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027036Z	Dilation of Coronary Artery, One Artery with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0270376	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027037Z	Dilation of Coronary Artery, One Artery with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703D6	Dilation of Coronary Artery, One Artery, Bifurcation, with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02703DZ	Dilation of Coronary Artery, One Artery with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02703E6	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703EZ	Dilation of Coronary Artery, One Artery with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703F6	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703FZ	Dilation of Coronary Artery, One Artery with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703G6	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703GZ	Dilation of Coronary Artery, One Artery with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02703T6	Dilation of Coronary Artery, One Artery, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02703TZ	Dilation of Coronary Artery, One Artery with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02703Z6	Dilation of Coronary Artery, One Artery, Bifurcation, Percutaneous Approach	Procedure	ICD-10-PCS
02703ZZ	Dilation of Coronary Artery, One Artery, Percutaneous Approach	Procedure	ICD-10-PCS
0270446	Dilation of Coronary Artery, One Artery, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027044Z	Dilation of Coronary Artery, One Artery with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0270456	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027045Z	Dilation of Coronary Artery, One Artery with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0270466	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027046Z	Dilation of Coronary Artery, One Artery with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0270476	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027047Z	Dilation of Coronary Artery, One Artery with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704D6	Dilation of Coronary Artery, One Artery, Bifurcation, with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704DZ	Dilation of Coronary Artery, One Artery with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02704E6	Dilation of Coronary Artery, One Artery, Bifurcation, with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704EZ	Dilation of Coronary Artery, One Artery with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704F6	Dilation of Coronary Artery, One Artery, Bifurcation, with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704FZ	Dilation of Coronary Artery, One Artery with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704G6	Dilation of Coronary Artery, One Artery, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704GZ	Dilation of Coronary Artery, One Artery with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704T6	Dilation of Coronary Artery, One Artery, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704TZ	Dilation of Coronary Artery, One Artery with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704Z6	Dilation of Coronary Artery, One Artery, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02704ZZ	Dilation of Coronary Artery, One Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0271046	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
027104Z	Dilation of Coronary Artery, Two Arteries with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
0271056	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027105Z	Dilation of Coronary Artery, Two Arteries with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0271066	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027106Z	Dilation of Coronary Artery, Two Arteries with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0271076	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027107Z	Dilation of Coronary Artery, Two Arteries with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710D6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02710DZ	Dilation of Coronary Artery, Two Arteries with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02710E6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710EZ	Dilation of Coronary Artery, Two Arteries with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710F6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710FZ	Dilation of Coronary Artery, Two Arteries with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710G6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710GZ	Dilation of Coronary Artery, Two Arteries with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02710T6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02710TZ	Dilation of Coronary Artery, Two Arteries with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02710Z6	Dilation of Coronary Artery, Two Arteries, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02710ZZ	Dilation of Coronary Artery, Two Arteries, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0271346	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
027134Z	Dilation of Coronary Artery, Two Arteries with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0271356	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027135Z	Dilation of Coronary Artery, Two Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0271366	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027136Z	Dilation of Coronary Artery, Two Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0271376	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027137Z	Dilation of Coronary Artery, Two Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02713D6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02713DZ	Dilation of Coronary Artery, Two Arteries with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02713E6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02713EZ	Dilation of Coronary Artery, Two Arteries with Two Intraluminal Devices, Percutaneous	Procedure	ICD-10-PCS
02713F6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02713FZ	Dilation of Coronary Artery, Two Arteries with Three Intraluminal Devices, Percutaneous	Procedure	ICD-10-PCS
02713G6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02713GZ	Dilation of Coronary Artery, Two Arteries with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02713T6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02713TZ	Dilation of Coronary Artery, Two Arteries with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02713Z6	Dilation of Coronary Artery, Two Arteries, Bifurcation, Percutaneous Approach	Procedure	ICD-10-PCS
02713ZZ	Dilation of Coronary Artery, Two Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
0271446	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027144Z	Dilation of Coronary Artery, Two Arteries with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0271456	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027145Z	Dilation of Coronary Artery, Two Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0271466	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027146Z	Dilation of Coronary Artery, Two Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0271476	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027147Z	Dilation of Coronary Artery, Two Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714D6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714DZ	Dilation of Coronary Artery, Two Arteries with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714E6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714EZ	Dilation of Coronary Artery, Two Arteries with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714F6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714FZ	Dilation of Coronary Artery, Two Arteries with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714G6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714GZ	Dilation of Coronary Artery, Two Arteries with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714T6	Dilation of Coronary Artery, Two Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714TZ	Dilation of Coronary Artery, Two Arteries with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714Z6	Dilation of Coronary Artery, Two Arteries, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02714ZZ	Dilation of Coronary Artery, Two Arteries, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0272046	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
027204Z	Dilation of Coronary Artery, Three Arteries with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
0272056	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027205Z	Dilation of Coronary Artery, Three Arteries with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0272066	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027206Z	Dilation of Coronary Artery, Three Arteries with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0272076	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027207Z	Dilation of Coronary Artery, Three Arteries with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720D6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02720DZ	Dilation of Coronary Artery, Three Arteries with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02720E6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720EZ	Dilation of Coronary Artery, Three Arteries with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720F6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02720FZ	Dilation of Coronary Artery, Three Arteries with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720G6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720GZ	Dilation of Coronary Artery, Three Arteries with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02720T6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02720TZ	Dilation of Coronary Artery, Three Arteries with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02720Z6	Dilation of Coronary Artery, Three Arteries, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02720ZZ	Dilation of Coronary Artery, Three Arteries, Open Approach	Procedure	ICD-10-PCS
0272346	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
027234Z	Dilation of Coronary Artery, Three Arteries with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0272356	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027235Z	Dilation of Coronary Artery, Three Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0272366	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027236Z	Dilation of Coronary Artery, Three Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0272376	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027237Z	Dilation of Coronary Artery, Three Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723D6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02723DZ	Dilation of Coronary Artery, Three Arteries with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02723E6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723EZ	Dilation of Coronary Artery, Three Arteries with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723F6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723FZ	Dilation of Coronary Artery, Three Arteries with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723G6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723GZ	Dilation of Coronary Artery, Three Arteries with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02723T6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02723TZ	Dilation of Coronary Artery, Three Arteries with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02723Z6	Dilation of Coronary Artery, Three Arteries, Bifurcation, Percutaneous Approach	Procedure	ICD-10-PCS
02723ZZ	Dilation of Coronary Artery, Three Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
0272446	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
027244Z	Dilation of Coronary Artery, Three Arteries with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0272456	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027245Z	Dilation of Coronary Artery, Three Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0272466	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027246Z	Dilation of Coronary Artery, Three Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0272476	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027247Z	Dilation of Coronary Artery, Three Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724D6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724DZ	Dilation of Coronary Artery, Three Arteries with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724E6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724EZ	Dilation of Coronary Artery, Three Arteries with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724F6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724FZ	Dilation of Coronary Artery, Three Arteries with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724G6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724GZ	Dilation of Coronary Artery, Three Arteries with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724T6	Dilation of Coronary Artery, Three Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724TZ	Dilation of Coronary Artery, Three Arteries with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724Z6	Dilation of Coronary Artery, Three Arteries, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02724ZZ	Dilation of Coronary Artery, Three Arteries, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0273046	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
027304Z	Dilation of Coronary Artery, Four or More Arteries with Drug-eluting Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
0273056	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027305Z	Dilation of Coronary Artery, Four or More Arteries with Two Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
0273066	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027306Z	Dilation of Coronary Artery, Four or More Arteries with Three Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0273076	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
027307Z	Dilation of Coronary Artery, Four or More Arteries with Four or More Drug-eluting Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730D6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02730DZ	Dilation of Coronary Artery, Four or More Arteries with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02730E6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730EZ	Dilation of Coronary Artery, Four or More Arteries with Two Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730F6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730FZ	Dilation of Coronary Artery, Four or More Arteries with Three Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730G6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730GZ	Dilation of Coronary Artery, Four or More Arteries with Four or More Intraluminal Devices, Open Approach	Procedure	ICD-10-PCS
02730T6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02730TZ	Dilation of Coronary Artery, Four or More Arteries with Radioactive Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
02730Z6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02730ZZ	Dilation of Coronary Artery, Four or More Arteries, Open Approach	Procedure	ICD-10-PCS
0273346	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
027334Z	Dilation of Coronary Artery, Four or More Arteries with Drug-eluting Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0273356	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027335Z	Dilation of Coronary Artery, Four or More Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0273366	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027336Z	Dilation of Coronary Artery, Four or More Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
0273376	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
027337Z	Dilation of Coronary Artery, Four or More Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733D6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02733DZ	Dilation of Coronary Artery, Four or More Arteries with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02733E6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733EZ	Dilation of Coronary Artery, Four or More Arteries with Two Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733F6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02733FZ	Dilation of Coronary Artery, Four or More Arteries with Three Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733G6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733GZ	Dilation of Coronary Artery, Four or More Arteries with Four or More Intraluminal Devices, Percutaneous Approach	Procedure	ICD-10-PCS
02733T6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02733TZ	Dilation of Coronary Artery, Four or More Arteries with Radioactive Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
02733Z6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, Percutaneous Approach	Procedure	ICD-10-PCS
02733ZZ	Dilation of Coronary Artery, Four or More Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
0273446	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027344Z	Dilation of Coronary Artery, Four or More Arteries with Drug-eluting Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0273456	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027345Z	Dilation of Coronary Artery, Four or More Arteries with Two Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0273466	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027346Z	Dilation of Coronary Artery, Four or More Arteries with Three Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0273476	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
027347Z	Dilation of Coronary Artery, Four or More Arteries with Four or More Drug-eluting Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734D6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734DZ	Dilation of Coronary Artery, Four or More Arteries with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734E6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734EZ	Dilation of Coronary Artery, Four or More Arteries with Two Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734F6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734FZ	Dilation of Coronary Artery, Four or More Arteries with Three Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734G6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734GZ	Dilation of Coronary Artery, Four or More Arteries with Four or More Intraluminal Devices, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734T6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02734TZ	Dilation of Coronary Artery, Four or More Arteries with Radioactive Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
02734Z6	Dilation of Coronary Artery, Four or More Arteries, Bifurcation, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02734ZZ	Dilation of Coronary Artery, Four or More Arteries, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C00Z6	Extirpation of Matter from Coronary Artery, One Artery, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02C00ZZ	Extirpation of Matter from Coronary Artery, One Artery, Open Approach	Procedure	ICD-10-PCS
02C03Z6	Extirpation of Matter from Coronary Artery, One Artery, Bifurcation, Percutaneous	Procedure	ICD-10-PCS
02C03ZZ	Extirpation of Matter from Coronary Artery, One Artery, Percutaneous Approach	Procedure	ICD-10-PCS
02C04Z6	Extirpation of Matter from Coronary Artery, One Artery, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C04ZZ	Extirpation of Matter from Coronary Artery, One Artery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C10Z6	Extirpation of Matter from Coronary Artery, Two Arteries, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02C10ZZ	Extirpation of Matter from Coronary Artery, Two Arteries, Open Approach	Procedure	ICD-10-PCS
02C13Z6	Extirpation of Matter from Coronary Artery, Two Arteries, Bifurcation, Percutaneous	Procedure	ICD-10-PCS
02C13ZZ	Extirpation of Matter from Coronary Artery, Two Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
02C14Z6	Extirpation of Matter from Coronary Artery, Two Arteries, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C14ZZ	Extirpation of Matter from Coronary Artery, Two Arteries, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02C20Z6	Extirpation of Matter from Coronary Artery, Three Arteries, Bifurcation, Open Approach	Procedure	ICD-10-PCS
02C20ZZ	Extirpation of Matter from Coronary Artery, Three Arteries, Open Approach	Procedure	ICD-10-PCS
02C23Z6	Extirpation of Matter from Coronary Artery, Three Arteries, Bifurcation, Percutaneous	Procedure	ICD-10-PCS
02C23ZZ	Extirpation of Matter from Coronary Artery, Three Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
02C24Z6	Extirpation of Matter from Coronary Artery, Three Arteries, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C24ZZ	Extirpation of Matter from Coronary Artery, Three Arteries, Percutaneous Endoscopic	Procedure	ICD-10-PCS
02C30Z6	Extirpation of Matter from Coronary Artery, Four or More Arteries, Bifurcation, Open	Procedure	ICD-10-PCS
02C30ZZ	Extirpation of Matter from Coronary Artery, Four or More Arteries, Open Approach	Procedure	ICD-10-PCS
02C33Z6	Extirpation of Matter from Coronary Artery, Four or More Arteries, Bifurcation, Percutaneous Approach	Procedure	ICD-10-PCS
02C33ZZ	Extirpation of Matter from Coronary Artery, Four or More Arteries, Percutaneous Approach	Procedure	ICD-10-PCS
02C34Z6	Extirpation of Matter from Coronary Artery, Four or More Arteries, Bifurcation, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
02C34ZZ	Extirpation of Matter from Coronary Artery, Four or More Arteries, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
3E07017	Introduction of Other Thrombolytic into Coronary Artery, Open Approach	Procedure	ICD-10-PCS
3E070PZ	Introduction of Platelet Inhibitor into Coronary Artery, Open Approach	Procedure	ICD-10-PCS
3E07317	Introduction of Other Thrombolytic into Coronary Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E073PZ	Introduction of Platelet Inhibitor into Coronary Artery, Percutaneous Approach	Procedure	ICD-10-PCS
<b>Hospitalized acute myocardial infarction</b>			
I2101	ST elevation (STEMI) myocardial infarction involving left main coronary artery	Diagnosis	ICD-10-CM
I2102	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	Diagnosis	ICD-10-CM
I2109	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	Diagnosis	ICD-10-CM
I2111	ST elevation (STEMI) myocardial infarction involving right coronary artery	Diagnosis	ICD-10-CM
I2119	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	Diagnosis	ICD-10-CM
I2121	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	Diagnosis	ICD-10-CM
I2129	ST elevation (STEMI) myocardial infarction involving other sites	Diagnosis	ICD-10-CM
I213	ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
I214	Non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I219	Acute myocardial infarction, unspecified	Diagnosis	ICD-10-CM
I21A1	Myocardial infarction type 2	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I21A9	Other myocardial infarction type	Diagnosis	ICD-10-CM
I220	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	Diagnosis	ICD-10-CM
I221	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	Diagnosis	ICD-10-CM
I222	Subsequent non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I228	Subsequent ST elevation (STEMI) myocardial infarction of other sites	Diagnosis	ICD-10-CM
I229	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
<b>Hypertension</b>			
I10	Essential (primary) hypertension	Diagnosis	ICD-10-CM
I11	Hypertensive heart disease	Diagnosis	ICD-10-CM
I110	Hypertensive heart disease with heart failure	Diagnosis	ICD-10-CM
I119	Hypertensive heart disease without heart failure	Diagnosis	ICD-10-CM
I12	Hypertensive chronic kidney disease	Diagnosis	ICD-10-CM
I120	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	Diagnosis	ICD-10-CM
I129	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I13	Hypertensive heart and chronic kidney disease	Diagnosis	ICD-10-CM
I130	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I131	Hypertensive heart and chronic kidney disease without heart failure	Diagnosis	ICD-10-CM
I1310	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I1311	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I15	Secondary hypertension	Diagnosis	ICD-10-CM
I150	Renovascular hypertension	Diagnosis	ICD-10-CM
I151	Hypertension secondary to other renal disorders	Diagnosis	ICD-10-CM
I152	Hypertension secondary to endocrine disorders	Diagnosis	ICD-10-CM
I158	Other secondary hypertension	Diagnosis	ICD-10-CM
I159	Secondary hypertension, unspecified	Diagnosis	ICD-10-CM
I16	Hypertensive crisis	Diagnosis	ICD-10-CM
I160	Hypertensive urgency	Diagnosis	ICD-10-CM
I161	Hypertensive emergency	Diagnosis	ICD-10-CM
I169	Hypertensive crisis, unspecified	Diagnosis	ICD-10-CM
I674	Hypertensive encephalopathy	Diagnosis	ICD-10-CM
<b>Pulmonary disease</b>			
<b>Asthma</b>			
J4520	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J4521	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J4522	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J4530	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J4531	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J4532	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J4540	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J4541	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J4542	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J4550	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J4551	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J4552	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45990	Exercise induced bronchospasm	Diagnosis	ICD-10-CM
J45991	Cough variant asthma	Diagnosis	ICD-10-CM
J45998	Other asthma	Diagnosis	ICD-10-CM
<b>Bronchiectasis</b>			
J470	Bronchiectasis with acute lower respiratory infection	Diagnosis	ICD-10-CM
J471	Bronchiectasis with (acute) exacerbation	Diagnosis	ICD-10-CM
J479	Bronchiectasis, uncomplicated	Diagnosis	ICD-10-CM
<b>Chronic obstructive pulmonary disease</b>			
J410	Simple chronic bronchitis	Diagnosis	ICD-10-CM
J411	Mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J418	Mixed simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J42	Unspecified chronic bronchitis	Diagnosis	ICD-10-CM
J431	Panlobular emphysema	Diagnosis	ICD-10-CM
J432	Centrilobular emphysema	Diagnosis	ICD-10-CM
J438	Other emphysema	Diagnosis	ICD-10-CM
J439	Emphysema, unspecified	Diagnosis	ICD-10-CM
J440	Chronic obstructive pulmonary disease with acute lower respiratory infection	Diagnosis	ICD-10-CM
J441	Chronic obstructive pulmonary disease with (acute) exacerbation	Diagnosis	ICD-10-CM
J449	Chronic obstructive pulmonary disease, unspecified	Diagnosis	ICD-10-CM
<b>Hypersensitivity pneumonitis</b>			
J60	Coalworker's pneumoconiosis	Diagnosis	ICD-10-CM
J61	Pneumoconiosis due to asbestos and other mineral fibers	Diagnosis	ICD-10-CM
J620	Pneumoconiosis due to talc dust	Diagnosis	ICD-10-CM
J628	Pneumoconiosis due to other dust containing silica	Diagnosis	ICD-10-CM
J630	Aluminosis (of lung)	Diagnosis	ICD-10-CM
J631	Bauxite fibrosis (of lung)	Diagnosis	ICD-10-CM
J632	Berylliosis	Diagnosis	ICD-10-CM
J633	Graphite fibrosis (of lung)	Diagnosis	ICD-10-CM
J634	Siderosis	Diagnosis	ICD-10-CM
J635	Stannosis	Diagnosis	ICD-10-CM
J636	Pneumoconiosis due to other specified inorganic dusts	Diagnosis	ICD-10-CM
J64	Unspecified pneumoconiosis	Diagnosis	ICD-10-CM
J65	Pneumoconiosis associated with tuberculosis	Diagnosis	ICD-10-CM
J660	Byssinosis	Diagnosis	ICD-10-CM
J661	Flax-dressers' disease	Diagnosis	ICD-10-CM
J662	Cannabinosis	Diagnosis	ICD-10-CM
J668	Airway disease due to other specific organic dusts	Diagnosis	ICD-10-CM
J670	Farmer's lung	Diagnosis	ICD-10-CM
J671	Bagassosis	Diagnosis	ICD-10-CM
J672	Bird fancier's lung	Diagnosis	ICD-10-CM
J673	Suberosis	Diagnosis	ICD-10-CM
J674	Maltworker's lung	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J675	Mushroom-worker's lung	Diagnosis	ICD-10-CM
J676	Maple-bark-stripper's lung	Diagnosis	ICD-10-CM
J677	Air conditioner and humidifier lung	Diagnosis	ICD-10-CM
J678	Hypersensitivity pneumonitis due to other organic dusts	Diagnosis	ICD-10-CM
J679	Hypersensitivity pneumonitis due to unspecified organic dust	Diagnosis	ICD-10-CM
J680	Bronchitis and pneumonitis due to chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J681	Pulmonary edema due to chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J682	Upper respiratory inflammation due to chemicals, gases, fumes and vapors, not elsewhere cl.	Diagnosis	ICD-10-CM
J684	Chronic respiratory conditions due to chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J688	Other respiratory conditions due to chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J689	Unspecified respiratory condition due to chemicals, gases, fumes and vapors	Diagnosis	ICD-10-CM
J701	Chronic and other pulmonary manifestations due to radiation	Diagnosis	ICD-10-CM
J703	Chronic drug-induced interstitial lung disorders	Diagnosis	ICD-10-CM
J705	Respiratory conditions due to smoke inhalation	Diagnosis	ICD-10-CM
J708	Respiratory conditions due to other specified external agents	Diagnosis	ICD-10-CM
J709	Respiratory conditions due to unspecified external agent	Diagnosis	ICD-10-CM
<b>Interstitial lung disease</b>			
J82	Pulmonary eosinophilia, not elsewhere classified	Diagnosis	ICD-10-CM
J8401	Alveolar proteinosis	Diagnosis	ICD-10-CM
J8402	Pulmonary alveolar microlithiasis	Diagnosis	ICD-10-CM
J8403	Idiopathic pulmonary hemosiderosis	Diagnosis	ICD-10-CM
J8409	Other alveolar and parieto-alveolar conditions	Diagnosis	ICD-10-CM
J8410	Pulmonary fibrosis, unspecified	Diagnosis	ICD-10-CM
J84111	Idiopathic interstitial pneumonia, not otherwise specified	Diagnosis	ICD-10-CM
J84112	Idiopathic pulmonary fibrosis	Diagnosis	ICD-10-CM
J84113	Idiopathic non-specific interstitial pneumonitis	Diagnosis	ICD-10-CM
J84115	Respiratory bronchiolitis interstitial lung disease	Diagnosis	ICD-10-CM
J84116	Cryptogenic organizing pneumonia	Diagnosis	ICD-10-CM
J84117	Desquamative interstitial pneumonia	Diagnosis	ICD-10-CM
J8417	Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere	Diagnosis	ICD-10-CM
J842	Lymphoid interstitial pneumonia	Diagnosis	ICD-10-CM
J8481	Lymphangioleiomyomatosis	Diagnosis	ICD-10-CM
J8482	Adult pulmonary Langerhans cell histiocytosis	Diagnosis	ICD-10-CM
J8483	Surfactant mutations of the lung	Diagnosis	ICD-10-CM
J84841	Neuroendocrine cell hyperplasia of infancy	Diagnosis	ICD-10-CM
J84842	Pulmonary interstitial glycogenosis	Diagnosis	ICD-10-CM
J84843	Alveolar capillary dysplasia with vein misalignment	Diagnosis	ICD-10-CM
J84848	Other interstitial lung diseases of childhood	Diagnosis	ICD-10-CM
J8489	Other specified interstitial pulmonary diseases	Diagnosis	ICD-10-CM
J849	Interstitial pulmonary disease, unspecified	Diagnosis	ICD-10-CM
<b>Cancer</b>			
<b>Hematological malignancy</b>			
C8100	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8101	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8102	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8103	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8104	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8105	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8106	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8107	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8108	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8109	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8110	Nodular sclerosis classical Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8111	Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8112	Nodular sclerosis classical Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8113	Nodular sclerosis classical Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8114	Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8115	Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8116	Nodular sclerosis classical Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8117	Nodular sclerosis classical Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8118	Nodular sclerosis classical Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8119	Nodular sclerosis classical Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8120	Mixed cellularity classical Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8121	Mixed cellularity classical Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8122	Mixed cellularity classical Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8123	Mixed cellularity classical Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8124	Mixed cellularity classical Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8125	Mixed cellularity classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8126	Mixed cellularity classical Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8127	Mixed cellularity classical Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8128	Mixed cellularity classical Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8129	Mixed cellularity classical Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8130	Lymphocyte depleted classical Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8131	Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8132	Lymphocyte depleted classical Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8133	Lymphocyte depleted classical Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8134	Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8135	Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8136	Lymphocyte depleted classical Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8137	Lymphocyte depleted classical Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8138	Lymphocyte depleted classical Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8139	Lymphocyte depleted classical Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8140	Lymphocyte-rich classical Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8141	Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8142	Lymphocyte-rich classical Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8143	Lymphocyte-rich classical Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8144	Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8145	Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8146	Lymphocyte-rich classical Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8147	Lymphocyte-rich classical Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8148	Lymphocyte-rich classical Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8149	Lymphocyte-rich classical Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8170	Other classical Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8171	Other classical Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8172	Other classical Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8173	Other classical Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8174	Other classical Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8175	Other classical Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8176	Other classical Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8177	Other classical Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8178	Other classical Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8179	Other classical Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8190	Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8191	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8192	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8193	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8194	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8195	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8196	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8197	Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C8198	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8199	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8200	Follicular lymphoma grade I, unspecified site	Diagnosis	ICD-10-CM
C8201	Follicular lymphoma grade I, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8202	Follicular lymphoma grade I, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8203	Follicular lymphoma grade I, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8204	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8205	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8206	Follicular lymphoma grade I, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8207	Follicular lymphoma grade I, spleen	Diagnosis	ICD-10-CM
C8208	Follicular lymphoma grade I, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8209	Follicular lymphoma grade I, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8210	Follicular lymphoma grade II, unspecified site	Diagnosis	ICD-10-CM
C8211	Follicular lymphoma grade II, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8212	Follicular lymphoma grade II, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8213	Follicular lymphoma grade II, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8214	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8215	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8216	Follicular lymphoma grade II, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8217	Follicular lymphoma grade II, spleen	Diagnosis	ICD-10-CM
C8218	Follicular lymphoma grade II, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8219	Follicular lymphoma grade II, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8220	Follicular lymphoma grade III, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8221	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8222	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8223	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8224	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8225	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8226	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8227	Follicular lymphoma grade III, unspecified, spleen	Diagnosis	ICD-10-CM
C8228	Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8229	Follicular lymphoma grade III, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8230	Follicular lymphoma grade IIIa, unspecified site	Diagnosis	ICD-10-CM
C8231	Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8232	Follicular lymphoma grade IIIa, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8233	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8234	Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8235	Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8236	Follicular lymphoma grade IIIa, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8237	Follicular lymphoma grade IIIa, spleen	Diagnosis	ICD-10-CM
C8238	Follicular lymphoma grade IIIa, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8239	Follicular lymphoma grade IIIa, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8240	Follicular lymphoma grade IIIb, unspecified site	Diagnosis	ICD-10-CM
C8241	Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8242	Follicular lymphoma grade IIIb, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8243	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8244	Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8245	Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8246	Follicular lymphoma grade IIIb, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8247	Follicular lymphoma grade IIIb, spleen	Diagnosis	ICD-10-CM
C8248	Follicular lymphoma grade IIIb, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8249	Follicular lymphoma grade IIIb, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8250	Diffuse follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8251	Diffuse follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8252	Diffuse follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8253	Diffuse follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8254	Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8255	Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8256	Diffuse follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8257	Diffuse follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C8258	Diffuse follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8259	Diffuse follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8260	Cutaneous follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8261	Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8262	Cutaneous follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8263	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8264	Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8265	Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8266	Cutaneous follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8267	Cutaneous follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C8268	Cutaneous follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8269	Cutaneous follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8280	Other types of follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8281	Other types of follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8282	Other types of follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8283	Other types of follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8284	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8285	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8286	Other types of follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8287	Other types of follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C8288	Other types of follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8289	Other types of follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8290	Follicular lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8291	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8292	Follicular lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8293	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8294	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8295	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8296	Follicular lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8297	Follicular lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C8298	Follicular lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8299	Follicular lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8300	Small cell B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8301	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8302	Small cell B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8303	Small cell B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8304	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8305	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8306	Small cell B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8307	Small cell B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C8308	Small cell B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8309	Small cell B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8310	Mantle cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8311	Mantle cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8312	Mantle cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8313	Mantle cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8314	Mantle cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8315	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8316	Mantle cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8317	Mantle cell lymphoma, spleen	Diagnosis	ICD-10-CM
C8318	Mantle cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8319	Mantle cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8330	Diffuse large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8331	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8332	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8333	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8334	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8335	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8336	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8337	Diffuse large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C8338	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8339	Diffuse large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8350	Lymphoblastic (diffuse) lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8351	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8352	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8353	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8354	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8355	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8356	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8357	Lymphoblastic (diffuse) lymphoma, spleen ( )	Diagnosis	ICD-10-CM
C8358	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8359	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8370	Burkitt lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8371	Burkitt lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8372	Burkitt lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8373	Burkitt lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8374	Burkitt lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8375	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8376	Burkitt lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8377	Burkitt lymphoma, spleen	Diagnosis	ICD-10-CM
C8378	Burkitt lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8379	Burkitt lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8380	Other non-follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8381	Other non-follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8382	Other non-follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8383	Other non-follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8384	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8385	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8386	Other non-follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8387	Other non-follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C8388	C8388, Other non-follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8389	Other non-follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8390	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8391	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8392	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8393	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8394	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8395	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8396	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8397	Non-follicular (diffuse) lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C8398	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8399	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8400	Mycosis fungoides, unspecified site	Diagnosis	ICD-10-CM
C8401	Mycosis fungoides, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8402	Mycosis fungoides, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8403	Mycosis fungoides, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8404	Mycosis fungoides, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8405	Mycosis fungoides, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8406	Mycosis fungoides, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8407	Mycosis fungoides, spleen	Diagnosis	ICD-10-CM
C8408	Mycosis fungoides, lymph nodes of multiple sites	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8409	Mycosis fungoides, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8410	Sezary disease, unspecified site	Diagnosis	ICD-10-CM
C8411	Sezary disease, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8412	Sezary disease, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8413	Sezary disease, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8414	Sezary disease, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8415	Sezary disease, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8416	Sezary disease, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8417	Sezary disease, spleen	Diagnosis	ICD-10-CM
C8418	Sezary disease, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8419	Sezary disease, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8440	Peripheral T-cell lymphoma, not classified, unspecified site	Diagnosis	ICD-10-CM
C8441	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8442	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8443	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8444	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8445	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8446	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8447	Peripheral T-cell lymphoma, not classified, spleen	Diagnosis	ICD-10-CM
C8448	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8449	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8460	Anaplastic large cell lymphoma, ALK-positive, unspecified site	Diagnosis	ICD-10-CM
C8461	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8462	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8463	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8464	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8465	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8466	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8467	Anaplastic large cell lymphoma, ALK-positive, spleen	Diagnosis	ICD-10-CM
C8468	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8469	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8470	Anaplastic large cell lymphoma, ALK-negative, unspecified site	Diagnosis	ICD-10-CM
C8471	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8472	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8473	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8474	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8475	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8476	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8477	Anaplastic large cell lymphoma, ALK-negative, spleen	Diagnosis	ICD-10-CM
C8478	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8479	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8490	Mature T/NK-cell lymphomas, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8491	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8492	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8493	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8494	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8495	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8496	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8497	Mature T/NK-cell lymphomas, unspecified, spleen	Diagnosis	ICD-10-CM
C8498	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8499	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C84A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84A7	Cutaneous T-cell lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C84A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84Z0	Other mature T/NK-cell lymphomas, unspecified site	Diagnosis	ICD-10-CM
C84Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84Z7	Other mature T/NK-cell lymphomas, spleen	Diagnosis	ICD-10-CM
C84Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8510	Unspecified B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8511	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8512	Unspecified B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8513	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8514	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8515	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8516	Unspecified B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8517	Unspecified B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C8518	Unspecified B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8519	Unspecified B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8520	Mediastinal (thymic) large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8521	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8522	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8523	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8524	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8525	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8526	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8527	Mediastinal (thymic) large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C8528	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8529	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8580	Other specified types of non-Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C8581	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8582	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8583	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C8584	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8585	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8586	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8587	Other specified types of non-Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C8588	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8589	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C8590	Non-Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C8591	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C8592	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C8593	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C8594	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C8595	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C8596	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C8597	Non-Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C8598	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C8599	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C860	Other specified types of T/NK-cell lymphoma, Extranodal NK/T-cell lymphoma, nasal type	Diagnosis	ICD-10-CM
C861	Other specified types of T/NK-cell lymphoma, Hepatosplenic T-cell lymphoma	Diagnosis	ICD-10-CM
C862	Other specified types of T/NK-cell lymphoma, Enteropathy-type (intestinal) T-cell lymphoma	Diagnosis	ICD-10-CM
C863	Other specified types of T/NK-cell lymphoma, Subcutaneous panniculitis-like T-cell lymphoma	Diagnosis	ICD-10-CM
C864	Other specified types of T/NK-cell lymphoma, Blastic NK-cell lymphoma	Diagnosis	ICD-10-CM
C865	Other specified types of T/NK-cell lymphoma, Angioimmunoblastic T-cell lymphoma	Diagnosis	ICD-10-CM
C866	Other specified types of T/NK-cell lymphoma, Primary cutaneous CD30-positive T-cell	Diagnosis	ICD-10-CM
C880	Malignant immunoproliferative diseases and certain other B-cell lymphomas, Waldenstrom macroglobulinemia	Diagnosis	ICD-10-CM
C884	Malignant immunoproliferative diseases and certain other B-cell lymphomas, Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	Diagnosis	ICD-10-CM
C888	Malignant immunoproliferative diseases and certain other B-cell lymphomas, Other malignant immunoproliferative diseases	Diagnosis	ICD-10-CM
C9000	Multiple myeloma, not having achieved remission	Diagnosis	ICD-10-CM
C9001	Multiple myeloma, in remission	Diagnosis	ICD-10-CM
C9002	Multiple myeloma, in relapse	Diagnosis	ICD-10-CM
C9010	Plasma cell leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9012	Plasma cell leukemia, in relapse	Diagnosis	ICD-10-CM
C9020	Extramedullary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C9022	Extramedullary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C9030	Solitary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C9032	Solitary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C9100	Acute lymphoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C9102	Acute lymphoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C9110	Chronic lymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C9112	Chronic lymphocytic leukemia of B-cell type in relapse	Diagnosis	ICD-10-CM
C9130	Prolymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C9132	Prolymphocytic leukemia of B-cell type, in relapse	Diagnosis	ICD-10-CM
C9140	Hairy cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C9142	Hairy cell leukemia, in relapse	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C9150	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	Diagnosis	ICD-10-CM
C9152	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	Diagnosis	ICD-10-CM
C9160	Prolymphocytic leukemia of T-cell type not having achieved remission	Diagnosis	ICD-10-CM
C9162	Prolymphocytic leukemia of T-cell type, in relapse	Diagnosis	ICD-10-CM
C9190	Lymphoid leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C9192	Lymphoid leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C91A0	Mature B-cell leukemia Burkitt-type not having achieved remission	Diagnosis	ICD-10-CM
C91A2	Mature B-cell leukemia Burkitt-type, in relapse	Diagnosis	ICD-10-CM
C91Z0	Other lymphoid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91Z2	Other lymphoid leukemia, in relapse	Diagnosis	ICD-10-CM
C9200	Acute myeloblastic leukemia,not having achieved remission	Diagnosis	ICD-10-CM
C9202	Acute myeloblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C9210	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	Diagnosis	ICD-10-CM
C9212	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	Diagnosis	ICD-10-CM
C9220	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	Diagnosis	ICD-10-CM
C9222	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	Diagnosis	ICD-10-CM
C9230	Myeloid sarcoma, not having achieved remission	Diagnosis	ICD-10-CM
C9232	Myeloid sarcoma, in relapse	Diagnosis	ICD-10-CM
C9240	Acute promyelocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9242	Acute promyelocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9250	Acute myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9252	Acute myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9260	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	Diagnosis	ICD-10-CM
C9262	Acute myeloid leukemia with 11q23-abnormality in relapse	Diagnosis	ICD-10-CM
C9290	Myeloid leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C9292	Myeloid leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C92A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	Diagnosis	ICD-10-CM
C92A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	Diagnosis	ICD-10-CM
C92Z0	Other myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-10-CM
C92Z2	Other myeloid leukemia, in relapse	Diagnosis	ICD-10-CM
C9300	Acute monoblastic/monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9302	Acute monoblastic/monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9310	Chronic myelomonocytic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C9312	Chronic myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9330	Juvenile myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9332	Juvenile myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9390	Monocytic leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C9392	Monocytic leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C93Z0	Other monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93Z2	Other monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C9400	Acute erythroid leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C9402	Acute erythroid leukemia, in relapse	Diagnosis	ICD-10-CM
C9420	Acute megakaryoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C9422	Acute megakaryoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C9430	Mast cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C9432	Mast cell leukemia, in relapse	Diagnosis	ICD-10-CM
C9440	Acute panmyelosis with myelofibrosis not having achieved remission	Diagnosis	ICD-10-CM
C9442	Acute panmyelosis with myelofibrosis, in relapse	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C946	Myelodysplastic disease, not classified	Diagnosis	ICD-10-CM
C9480	Other specified leukemias not having achieved remission	Diagnosis	ICD-10-CM
C9482	Other specified leukemias, in relapse	Diagnosis	ICD-10-CM
C9500	Acute leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C9502	Acute leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C9510	Chronic leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C9512	Chronic leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C9590	Leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C9592	Leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C9620	Malignant mast cell neoplasm, unspecified	Diagnosis	ICD-10-CM
C9621	Malignant mast cell neoplasm, Aggressive systemic mastocytosis	Diagnosis	ICD-10-CM
C9622	Malignant mast cell neoplasm, Mast cell sarcoma	Diagnosis	ICD-10-CM
C9629	Malignant mast cell neoplasm, Other malignant mast cell neoplasm	Diagnosis	ICD-10-CM
C964	Sarcoma of dendritic cells (accessory cells)	Diagnosis	ICD-10-CM
C9660	Unifocal Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96A	Histiocytic sarcoma	Diagnosis	ICD-10-CM
C96Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
C969	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM
D4622	Refractory anemia with excess of blasts 2	Diagnosis	ICD-10-CM
D471	Chronic myeloproliferative disease	Diagnosis	ICD-10-CM
D479	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM
D47Z1	Post-transplant lymphoproliferative disorder (PTLD)	Diagnosis	ICD-10-CM
D47Z9	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
D6182	Myelophthisis	Diagnosis	ICD-10-CM
D45	Polycythemia vera	Diagnosis	ICD-10-CM
D474	Osteomyelofibrosis	Diagnosis	ICD-10-CM
D7581	Myelofibrosis	Diagnosis	ICD-10-CM
<b>Solid malignancy</b>			
C000	Malignant neoplasm of external upper lip	Diagnosis	ICD-10-CM
C001	Malignant neoplasm of external lower lip	Diagnosis	ICD-10-CM
C003	Malignant neoplasm of upper lip, inner aspect	Diagnosis	ICD-10-CM
C004	Malignant neoplasm of lower lip, inner aspect	Diagnosis	ICD-10-CM
C005	Malignant neoplasm of lip, unspecified, inner aspect	Diagnosis	ICD-10-CM
C006	Malignant neoplasm of lip, unspecified	Diagnosis	ICD-10-CM
C008	Malignant neoplasm of overlapping sites of lip	Diagnosis	ICD-10-CM
C009	Malignant neoplasm of lip, unspecified	Diagnosis	ICD-10-CM
C01	Malignant neoplasm of base of tongue	Diagnosis	ICD-10-CM
C020	Malignant neoplasm of dorsal surface of tongue	Diagnosis	ICD-10-CM
C021	Malignant neoplasm of border of tongue	Diagnosis	ICD-10-CM
C022	Malignant neoplasm of ventral surface of tongue	Diagnosis	ICD-10-CM
C023	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	Diagnosis	ICD-10-CM
C024	Malignant neoplasm of lingual tonsil	Diagnosis	ICD-10-CM
C028	Malignant neoplasm of overlapping sites of tongue	Diagnosis	ICD-10-CM
C029	Malignant neoplasm of tongue, unspecified	Diagnosis	ICD-10-CM
C030	Malignant neoplasm of upper gum	Diagnosis	ICD-10-CM
C031	Malignant neoplasm of lower gum	Diagnosis	ICD-10-CM
C039	Malignant neoplasm of gum, unspecified	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C040	Malignant neoplasm of anterior floor of mouth	Diagnosis	ICD-10-CM
C041	Malignant neoplasm of lateral floor of mouth	Diagnosis	ICD-10-CM
C048	Malignant neoplasm of overlapping sites of floor of mouth	Diagnosis	ICD-10-CM
C049	Malignant neoplasm of floor of mouth, unspecified	Diagnosis	ICD-10-CM
C050	Malignant neoplasm of hard palate	Diagnosis	ICD-10-CM
C051	Malignant neoplasm of soft palate	Diagnosis	ICD-10-CM
C052	Malignant neoplasm of uvula	Diagnosis	ICD-10-CM
C058	Malignant neoplasm of overlapping sites of palate	Diagnosis	ICD-10-CM
C059	Malignant neoplasm of palate, unspecified	Diagnosis	ICD-10-CM
C060	Malignant neoplasm of cheek mucosa	Diagnosis	ICD-10-CM
C061	Malignant neoplasm of vestibule of mouth	Diagnosis	ICD-10-CM
C062	Malignant neoplasm of retromolar area	Diagnosis	ICD-10-CM
C0680	Malignant neoplasm of overlapping sites of unspecified parts of mouth	Diagnosis	ICD-10-CM
C0689	Malignant neoplasm of overlapping sites of other parts of mouth	Diagnosis	ICD-10-CM
C069	Malignant neoplasm of mouth, unspecified	Diagnosis	ICD-10-CM
C07	Malignant neoplasm of parotid gland	Diagnosis	ICD-10-CM
C080	Malignant neoplasm of submandibular gland	Diagnosis	ICD-10-CM
C081	Malignant neoplasm of sublingual gland	Diagnosis	ICD-10-CM
C089	Malignant neoplasm of major salivary gland, unspecified	Diagnosis	ICD-10-CM
C090	Malignant neoplasm of tonsillar fossa	Diagnosis	ICD-10-CM
C091	Malignant neoplasm of tonsillar pillar (anterior) (posterior)	Diagnosis	ICD-10-CM
C098	Malignant neoplasm of overlapping sites of tonsil	Diagnosis	ICD-10-CM
C099	Malignant neoplasm of tonsil, unspecified	Diagnosis	ICD-10-CM
C100	Malignant neoplasm of vallecula	Diagnosis	ICD-10-CM
C101	Malignant neoplasm of anterior surface of epiglottis	Diagnosis	ICD-10-CM
C102	Malignant neoplasm of lateral wall of oropharynx	Diagnosis	ICD-10-CM
C103	Malignant neoplasm of posterior wall of oropharynx	Diagnosis	ICD-10-CM
C104	Malignant neoplasm of branchial cleft	Diagnosis	ICD-10-CM
C108	Malignant neoplasm of overlapping sites of oropharynx	Diagnosis	ICD-10-CM
C109	Malignant neoplasm of oropharynx, unspecified	Diagnosis	ICD-10-CM
C110	Malignant neoplasm of superior wall of nasopharynx	Diagnosis	ICD-10-CM
C111	Malignant neoplasm of posterior wall of nasopharynx	Diagnosis	ICD-10-CM
C112	Malignant neoplasm of lateral wall of nasopharynx	Diagnosis	ICD-10-CM
C113	Malignant neoplasm of anterior wall of nasopharynx	Diagnosis	ICD-10-CM
C118	Malignant neoplasm of overlapping sites of nasopharynx	Diagnosis	ICD-10-CM
C119	Malignant neoplasm of nasopharynx, unspecified	Diagnosis	ICD-10-CM
C12	Malignant neoplasm of pyriform sinus	Diagnosis	ICD-10-CM
C130	Malignant neoplasm of postcricoid region	Diagnosis	ICD-10-CM
C131	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	Diagnosis	ICD-10-CM
C132	Malignant neoplasm of posterior wall of hypopharynx	Diagnosis	ICD-10-CM
C138	Malignant neoplasm of overlapping sites of hypopharynx	Diagnosis	ICD-10-CM
C139	Malignant neoplasm of hypopharynx, unspecified	Diagnosis	ICD-10-CM
C140	Malignant neoplasm of pharynx, unspecified	Diagnosis	ICD-10-CM
C142	Malignant neoplasm of Waldeyer's ring	Diagnosis	ICD-10-CM
C148	Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx	Diagnosis	ICD-10-CM
C153	Malignant neoplasm of upper third of esophagus	Diagnosis	ICD-10-CM
C154	Malignant neoplasm of middle third of esophagus	Diagnosis	ICD-10-CM
C155	Malignant neoplasm of lower third of esophagus	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C158	Malignant neoplasm of overlapping sites of esophagus	Diagnosis	ICD-10-CM
C159	Malignant neoplasm of esophagus, unspecified	Diagnosis	ICD-10-CM
C160	Malignant neoplasm of cardia	Diagnosis	ICD-10-CM
C161	Malignant neoplasm of fundus of stomach	Diagnosis	ICD-10-CM
C162	Malignant neoplasm of body of stomach	Diagnosis	ICD-10-CM
C164	Malignant neoplasm of pylorus	Diagnosis	ICD-10-CM
C165	Malignant neoplasm of lesser curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C166	Malignant neoplasm of greater curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C168	Malignant neoplasm of overlapping sites of stomach	Diagnosis	ICD-10-CM
C169	Malignant neoplasm of stomach, unspecified	Diagnosis	ICD-10-CM
C170	Malignant neoplasm of duodenum	Diagnosis	ICD-10-CM
C171	Malignant neoplasm of jejunum	Diagnosis	ICD-10-CM
C172	Malignant neoplasm of ileum	Diagnosis	ICD-10-CM
C173	Meckel's diverticulum, malignant	Diagnosis	ICD-10-CM
C178	Malignant neoplasm of overlapping sites of small intestine	Diagnosis	ICD-10-CM
C179	Malignant neoplasm of small intestine, unspecified	Diagnosis	ICD-10-CM
C180	Malignant neoplasm of cecum	Diagnosis	ICD-10-CM
C181	Malignant neoplasm of appendix	Diagnosis	ICD-10-CM
C182	Malignant neoplasm of ascending colon	Diagnosis	ICD-10-CM
C183	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-10-CM
C184	Malignant neoplasm of transverse colon	Diagnosis	ICD-10-CM
C185	Malignant neoplasm of splenic flexure	Diagnosis	ICD-10-CM
C186	Malignant neoplasm of descending colon	Diagnosis	ICD-10-CM
C187	Malignant neoplasm of sigmoid colon	Diagnosis	ICD-10-CM
C188	Malignant neoplasm of overlapping sites of colon	Diagnosis	ICD-10-CM
C189	Malignant neoplasm of colon, unspecified	Diagnosis	ICD-10-CM
C19	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-10-CM
C20	Malignant neoplasm of rectum	Diagnosis	ICD-10-CM
C210	Malignant neoplasm of anus, unspecified	Diagnosis	ICD-10-CM
C211	Malignant neoplasm of anal canal	Diagnosis	ICD-10-CM
C218	Malignant neoplasm of overlapping sites of rectum, anus and anal canal	Diagnosis	ICD-10-CM
C220	Liver cell carcinoma	Diagnosis	ICD-10-CM
C221	Intrahepatic bile duct carcinoma	Diagnosis	ICD-10-CM
C222	Hepatoblastoma	Diagnosis	ICD-10-CM
C223	Angiosarcoma of liver	Diagnosis	ICD-10-CM
C224	Other sarcoma of liver	Diagnosis	ICD-10-CM
C227	Other specified carcinomas of liver	Diagnosis	ICD-10-CM
C228	Malignant neoplasm of liver, primary, unspecified as to type	Diagnosis	ICD-10-CM
C229	Malignant neoplasm of liver, not specified as primary or secondary	Diagnosis	ICD-10-CM
C23	Malignant neoplasm of gallbladder	Diagnosis	ICD-10-CM
C240	Malignant neoplasm of extrahepatic bile duct	Diagnosis	ICD-10-CM
C241	Malignant neoplasm of ampulla of Vater	Diagnosis	ICD-10-CM
C248	Malignant neoplasm of overlapping sites of biliary tract	Diagnosis	ICD-10-CM
C249	Malignant neoplasm of biliary tract, unspecified	Diagnosis	ICD-10-CM
C250	Malignant neoplasm of head of pancreas	Diagnosis	ICD-10-CM
C251	Malignant neoplasm of body of pancreas	Diagnosis	ICD-10-CM
C252	Malignant neoplasm of tail of pancreas	Diagnosis	ICD-10-CM
C253	Malignant neoplasm of pancreatic duct	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C254	Malignant neoplasm of endocrine pancreas	Diagnosis	ICD-10-CM
C257	Malignant neoplasm of other parts of pancreas	Diagnosis	ICD-10-CM
C258	Malignant neoplasm of overlapping sites of pancreas	Diagnosis	ICD-10-CM
C259	Malignant neoplasm of pancreas, unspecified	Diagnosis	ICD-10-CM
C260	Malignant neoplasm of intestinal tract, part unspecified	Diagnosis	ICD-10-CM
C261	Malignant neoplasm of spleen	Diagnosis	ICD-10-CM
C269	Malignant neoplasm of ill-defined sites within the digestive system	Diagnosis	ICD-10-CM
C300	Malignant neoplasm of nasal cavity	Diagnosis	ICD-10-CM
C301	Malignant neoplasm of middle ear	Diagnosis	ICD-10-CM
C310	Malignant neoplasm of maxillary sinus	Diagnosis	ICD-10-CM
C311	Malignant neoplasm of ethmoidal sinus	Diagnosis	ICD-10-CM
C312	Malignant neoplasm of frontal sinus	Diagnosis	ICD-10-CM
C313	Malignant neoplasm of sphenoid sinus	Diagnosis	ICD-10-CM
C318	Malignant neoplasm of overlapping sites of accessory sinuses	Diagnosis	ICD-10-CM
C319	Malignant neoplasm of accessory sinus, unspecified	Diagnosis	ICD-10-CM
C320	Malignant neoplasm of glottis	Diagnosis	ICD-10-CM
C321	Malignant neoplasm of supraglottis	Diagnosis	ICD-10-CM
C322	Malignant neoplasm of subglottis	Diagnosis	ICD-10-CM
C323	Malignant neoplasm of laryngeal cartilage	Diagnosis	ICD-10-CM
C328	Malignant neoplasm of overlapping sites of larynx	Diagnosis	ICD-10-CM
C329	Malignant neoplasm of larynx, unspecified	Diagnosis	ICD-10-CM
C33	Malignant neoplasm of trachea	Diagnosis	ICD-10-CM
C3400	Malignant neoplasm of unspecified main bronchus	Diagnosis	ICD-10-CM
C3401	Malignant neoplasm of right main bronchus	Diagnosis	ICD-10-CM
C3402	Malignant neoplasm of left main bronchus	Diagnosis	ICD-10-CM
C3410	Malignant neoplasm of upper lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C3411	Malignant neoplasm of upper lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C3412	Malignant neoplasm of upper lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C342	Malignant neoplasm of middle lobe, bronchus or lung	Diagnosis	ICD-10-CM
C3430	Malignant neoplasm of lower lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C3431	Malignant neoplasm of lower lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C3432	Malignant neoplasm of lower lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C3480	Malignant neoplasm of overlapping sites of unspecified bronchus and lung	Diagnosis	ICD-10-CM
C3481	Malignant neoplasm of overlapping sites of right bronchus and lung	Diagnosis	ICD-10-CM
C3482	Malignant neoplasm of overlapping sites of left bronchus and lung	Diagnosis	ICD-10-CM
C3490	Malignant neoplasm of unspecified part of unspecified bronchus or lung	Diagnosis	ICD-10-CM
C3491	Malignant neoplasm of unspecified part of right bronchus or lung	Diagnosis	ICD-10-CM
C3492	Malignant neoplasm of unspecified part of left bronchus or lung	Diagnosis	ICD-10-CM
C37	Malignant neoplasm of thymus	Diagnosis	ICD-10-CM
C380	Malignant neoplasm of heart	Diagnosis	ICD-10-CM
C381	Malignant neoplasm of anterior mediastinum	Diagnosis	ICD-10-CM
C382	Malignant neoplasm of posterior mediastinum	Diagnosis	ICD-10-CM
C383	Malignant neoplasm of mediastinum, part unspecified	Diagnosis	ICD-10-CM
C384	Malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C388	Malignant neoplasm of overlapping sites of heart, mediastinum and pleura	Diagnosis	ICD-10-CM
C390	Malignant neoplasm of upper respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C399	Malignant neoplasm of lower respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C4000	Malignant neoplasm of scapula and long bones of unspecified upper limb	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C4001	Malignant neoplasm of scapula and long bones of right upper limb	Diagnosis	ICD-10-CM
C4002	Malignant neoplasm of scapula and long bones of left upper limb	Diagnosis	ICD-10-CM
C4010	Malignant neoplasm of short bones of unspecified upper limb	Diagnosis	ICD-10-CM
C4011	Malignant neoplasm of short bones of right upper limb	Diagnosis	ICD-10-CM
C4012	Malignant neoplasm of short bones of left upper limb	Diagnosis	ICD-10-CM
C4020	Malignant neoplasm of long bones of unspecified lower limb	Diagnosis	ICD-10-CM
C4021	Malignant neoplasm of long bones of right lower limb	Diagnosis	ICD-10-CM
C4022	Malignant neoplasm of long bones of left lower limb	Diagnosis	ICD-10-CM
C4030	Malignant neoplasm of short bones of unspecified lower limb	Diagnosis	ICD-10-CM
C4031	Malignant neoplasm of short bones of right lower limb	Diagnosis	ICD-10-CM
C4032	Malignant neoplasm of short bones of left lower limb	Diagnosis	ICD-10-CM
C410	Malignant neoplasm of bones of skull and face	Diagnosis	ICD-10-CM
C411	Malignant neoplasm of mandible	Diagnosis	ICD-10-CM
C412	Malignant neoplasm of vertebral column	Diagnosis	ICD-10-CM
C413	Malignant neoplasm of ribs, sternum and clavicle	Diagnosis	ICD-10-CM
C414	Malignant neoplasm of pelvic bones, sacrum and coccyx	Diagnosis	ICD-10-CM
C4080	Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C4081	Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb	Diagnosis	ICD-10-CM
C4082	Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb	Diagnosis	ICD-10-CM
C419	Malignant neoplasm of bone and articular cartilage, unspecified	Diagnosis	ICD-10-CM
C4090	Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C4091	Malignant neoplasm of unspecified bones and articular cartilage of right limb	Diagnosis	ICD-10-CM
C4092	Malignant neoplasm of unspecified bones and articular cartilage of left limb	Diagnosis	ICD-10-CM
C430	Malignant melanoma of lip	Diagnosis	ICD-10-CM
C4310	Malignant melanoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C43111	Malignant melanoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C43112	Malignant melanoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C43121	Malignant melanoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM
C43122	Malignant melanoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4320	Malignant melanoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C4321	Malignant melanoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C4322	Malignant melanoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C4330	Malignant melanoma of unspecified part of face	Diagnosis	ICD-10-CM
C4331	Malignant melanoma of nose	Diagnosis	ICD-10-CM
C4339	Malignant melanoma of other parts of face	Diagnosis	ICD-10-CM
C434	Malignant melanoma of scalp and neck	Diagnosis	ICD-10-CM
C4351	Malignant melanoma of anal skin	Diagnosis	ICD-10-CM
C4352	Malignant melanoma of skin of breast	Diagnosis	ICD-10-CM
C4359	Malignant melanoma of other part of trunk	Diagnosis	ICD-10-CM
C4360	Malignant melanoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C4361	Malignant melanoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4362	Malignant melanoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4370	Malignant melanoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4371	Malignant melanoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C4372	Malignant melanoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C438	Malignant melanoma of overlapping sites of skin	Diagnosis	ICD-10-CM
C450	Mesothelioma of pleura	Diagnosis	ICD-10-CM
C451	Mesothelioma of peritoneum	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C457	Mesothelioma of other sites	Diagnosis	ICD-10-CM
C459	Mesothelioma, unspecified	Diagnosis	ICD-10-CM
C460	Kaposi's sarcoma of skin	Diagnosis	ICD-10-CM
C461	Kaposi's sarcoma of soft tissue	Diagnosis	ICD-10-CM
C462	Kaposi's sarcoma of palate	Diagnosis	ICD-10-CM
C463	Kaposi's sarcoma of lymph nodes	Diagnosis	ICD-10-CM
C464	Kaposi's sarcoma of gastrointestinal sites	Diagnosis	ICD-10-CM
C4650	Kaposi's sarcoma of unspecified lung	Diagnosis	ICD-10-CM
C4651	Kaposi's sarcoma of right lung	Diagnosis	ICD-10-CM
C4652	Kaposi's sarcoma of left lung	Diagnosis	ICD-10-CM
C467	Kaposi's sarcoma of other sites	Diagnosis	ICD-10-CM
C470	Malignant neoplasm of peripheral nerves of head, face and neck	Diagnosis	ICD-10-CM
C469	Kaposi's sarcoma, unspecified	Diagnosis	ICD-10-CM
C4710	Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C4711	Malignant neoplasm of peripheral nerves of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4712	Malignant neoplasm of peripheral nerves of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4720	Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4721	Malignant neoplasm of peripheral nerves of right lower limb, including hip	Diagnosis	ICD-10-CM
C4722	Malignant neoplasm of peripheral nerves of left lower limb, including hip	Diagnosis	ICD-10-CM
C473	Malignant neoplasm of peripheral nerves of thorax	Diagnosis	ICD-10-CM
C474	Malignant neoplasm of peripheral nerves of abdomen	Diagnosis	ICD-10-CM
C475	Malignant neoplasm of peripheral nerves of pelvis	Diagnosis	ICD-10-CM
C476	Malignant neoplasm of peripheral nerves of trunk, unspecified	Diagnosis	ICD-10-CM
C479	Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified	Diagnosis	ICD-10-CM
C478	Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous	Diagnosis	ICD-10-CM
C480	Malignant neoplasm of retroperitoneum	Diagnosis	ICD-10-CM
C481	Malignant neoplasm of specified parts of peritoneum	Diagnosis	ICD-10-CM
C488	Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C482	Malignant neoplasm of peritoneum, unspecified	Diagnosis	ICD-10-CM
C490	Malignant neoplasm of connective and soft tissue of head, face and neck	Diagnosis	ICD-10-CM
C4910	Malignant neoplasm of connective and soft tissue of unspecified upper limb, including	Diagnosis	ICD-10-CM
C4911	Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4912	Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4920	Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4921	Malignant neoplasm of connective and soft tissue of right lower limb, including hip	Diagnosis	ICD-10-CM
C4922	Malignant neoplasm of connective and soft tissue of left lower limb, including hip	Diagnosis	ICD-10-CM
C493	Malignant neoplasm of connective and soft tissue of thorax	Diagnosis	ICD-10-CM
C494	Malignant neoplasm of connective and soft tissue of abdomen	Diagnosis	ICD-10-CM
C495	Malignant neoplasm of connective and soft tissue of pelvis	Diagnosis	ICD-10-CM
C496	Malignant neoplasm of connective and soft tissue of trunk, unspecified	Diagnosis	ICD-10-CM
C498	Malignant neoplasm of overlapping sites of connective and soft tissue	Diagnosis	ICD-10-CM
C499	Malignant neoplasm of connective and soft tissue, unspecified	Diagnosis	ICD-10-CM
C49A0	Gastrointestinal stromal tumor, unspecified site	Diagnosis	ICD-10-CM
C49A1	Gastrointestinal stromal tumor of esophagus	Diagnosis	ICD-10-CM
C49A2	Gastrointestinal stromal tumor of stomach	Diagnosis	ICD-10-CM
C49A3	Gastrointestinal stromal tumor of small intestine	Diagnosis	ICD-10-CM
C49A4	Gastrointestinal stromal tumor of large intestine	Diagnosis	ICD-10-CM
C49A5	Gastrointestinal stromal tumor of rectum	Diagnosis	ICD-10-CM



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C49A9	Gastrointestinal stromal tumor of other sites	Diagnosis	ICD-10-CM
C4A0	Merkel cell carcinoma of lip	Diagnosis	ICD-10-CM
C4A10	Merkel cell carcinoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C4A111	Merkel cell carcinoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A112	Merkel cell carcinoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A121	Merkel cell carcinoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A122	Merkel cell carcinoma of left lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A20	Merkel cell carcinoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C4A21	Merkel cell carcinoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C4A22	Merkel cell carcinoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C4A30	Merkel cell carcinoma of unspecified part of face	Diagnosis	ICD-10-CM
C4A31	Merkel cell carcinoma of nose	Diagnosis	ICD-10-CM
C4A39	Merkel cell carcinoma of other parts of face	Diagnosis	ICD-10-CM
C4A4	Merkel cell carcinoma of scalp and neck	Diagnosis	ICD-10-CM
C4A51	Merkel cell carcinoma of anal skin	Diagnosis	ICD-10-CM
C4A52	Merkel cell carcinoma of skin of breast	Diagnosis	ICD-10-CM
C4A59	Merkel cell carcinoma of other part of trunk	Diagnosis	ICD-10-CM
C4A60	Merkel cell carcinoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A61	Merkel cell carcinoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A62	Merkel cell carcinoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A70	Merkel cell carcinoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4A71	Merkel cell carcinoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C4A72	Merkel cell carcinoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C4A8	Merkel cell carcinoma of overlapping sites	Diagnosis	ICD-10-CM
C4A9	Merkel cell carcinoma, unspecified	Diagnosis	ICD-10-CM
C50011	Malignant neoplasm of nipple and areola, right female breast	Diagnosis	ICD-10-CM
C50012	Malignant neoplasm of nipple and areola, left female breast	Diagnosis	ICD-10-CM
C50019	Malignant neoplasm of nipple and areola, unspecified female breast	Diagnosis	ICD-10-CM
C50021	Malignant neoplasm of nipple and areola, right male breast	Diagnosis	ICD-10-CM
C50022	Malignant neoplasm of nipple and areola, left male breast	Diagnosis	ICD-10-CM
C50029	Malignant neoplasm of nipple and areola, unspecified male breast	Diagnosis	ICD-10-CM
C50111	Malignant neoplasm of central portion of right female breast	Diagnosis	ICD-10-CM
C50112	Malignant neoplasm of central portion of left female breast	Diagnosis	ICD-10-CM
C50119	Malignant neoplasm of central portion of unspecified female breast	Diagnosis	ICD-10-CM
C50121	Malignant neoplasm of central portion of right male breast	Diagnosis	ICD-10-CM
C50122	Malignant neoplasm of central portion of left male breast	Diagnosis	ICD-10-CM
C50129	Malignant neoplasm of central portion of unspecified male breast	Diagnosis	ICD-10-CM
C50211	Malignant neoplasm of upper-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50212	Malignant neoplasm of upper-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50219	Malignant neoplasm of upper-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50221	Malignant neoplasm of upper-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50222	Malignant neoplasm of upper-inner quadrant of left male breast	Diagnosis	ICD-10-CM
C50229	Malignant neoplasm of upper-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50311	Malignant neoplasm of lower-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50312	Malignant neoplasm of lower-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50319	Malignant neoplasm of lower-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50321	Malignant neoplasm of lower-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50322	Malignant neoplasm of lower-inner quadrant of left male breast	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C50329	Malignant neoplasm of lower-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50411	Malignant neoplasm of upper-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50412	Malignant neoplasm of upper-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50419	Malignant neoplasm of upper-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50421	Malignant neoplasm of upper-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50422	Malignant neoplasm of upper-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50429	Malignant neoplasm of upper-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50511	Malignant neoplasm of lower-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50512	Malignant neoplasm of lower-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50521	Malignant neoplasm of lower-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50522	Malignant neoplasm of lower-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50529	Malignant neoplasm of lower-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50611	Malignant neoplasm of axillary tail of right female breast	Diagnosis	ICD-10-CM
C50612	Malignant neoplasm of axillary tail of left female breast	Diagnosis	ICD-10-CM
C50619	Malignant neoplasm of axillary tail of unspecified female breast	Diagnosis	ICD-10-CM
C50621	Malignant neoplasm of axillary tail of right male breast	Diagnosis	ICD-10-CM
C50622	Malignant neoplasm of axillary tail of left male breast	Diagnosis	ICD-10-CM
C50629	Malignant neoplasm of axillary tail of unspecified male breast	Diagnosis	ICD-10-CM
C50811	Malignant neoplasm of overlapping sites of right female breast	Diagnosis	ICD-10-CM
C50812	Malignant neoplasm of overlapping sites of left female breast	Diagnosis	ICD-10-CM
C50819	Malignant neoplasm of overlapping sites of unspecified female breast	Diagnosis	ICD-10-CM
C50821	Malignant neoplasm of overlapping sites of right male breast	Diagnosis	ICD-10-CM
C50822	Malignant neoplasm of overlapping sites of left male breast	Diagnosis	ICD-10-CM
C50829	Malignant neoplasm of overlapping sites of unspecified male breast	Diagnosis	ICD-10-CM
C50911	Malignant neoplasm of unspecified site of right female breast	Diagnosis	ICD-10-CM
C50912	Malignant neoplasm of unspecified site of left female breast	Diagnosis	ICD-10-CM
C50919	Malignant neoplasm of unspecified site of unspecified female breast	Diagnosis	ICD-10-CM
C50921	Malignant neoplasm of unspecified site of right male breast	Diagnosis	ICD-10-CM
C50922	Malignant neoplasm of unspecified site of left male breast	Diagnosis	ICD-10-CM
C50929	Malignant neoplasm of unspecified site of unspecified male breast	Diagnosis	ICD-10-CM
C510	Malignant neoplasm of labium majus	Diagnosis	ICD-10-CM
C511	Malignant neoplasm of labium minus	Diagnosis	ICD-10-CM
C512	Malignant neoplasm of clitoris	Diagnosis	ICD-10-CM
C518	Malignant neoplasm of overlapping sites of vulva	Diagnosis	ICD-10-CM
C519	Malignant neoplasm of vulva, unspecified	Diagnosis	ICD-10-CM
C52	Malignant neoplasm of vagina	Diagnosis	ICD-10-CM
C530	Malignant neoplasm of endocervix	Diagnosis	ICD-10-CM
C531	Malignant neoplasm of exocervix	Diagnosis	ICD-10-CM
C538	Malignant neoplasm of overlapping sites of cervix uteri	Diagnosis	ICD-10-CM
C539	Malignant neoplasm of cervix uteri, unspecified	Diagnosis	ICD-10-CM
C540	Malignant neoplasm of isthmus uteri	Diagnosis	ICD-10-CM
C541	Malignant neoplasm of endometrium	Diagnosis	ICD-10-CM
C542	Malignant neoplasm of myometrium	Diagnosis	ICD-10-CM
C543	Malignant neoplasm of fundus uteri	Diagnosis	ICD-10-CM
C548	Malignant neoplasm of overlapping sites of corpus uteri	Diagnosis	ICD-10-CM
C549	Malignant neoplasm of corpus uteri, unspecified	Diagnosis	ICD-10-CM
C55	Malignant neoplasm of uterus, part unspecified	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C561	Malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C562	Malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C569	Malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C5700	Malignant neoplasm of unspecified fallopian tube	Diagnosis	ICD-10-CM
C5701	Malignant neoplasm of right fallopian tube	Diagnosis	ICD-10-CM
C5702	Malignant neoplasm of left fallopian tube	Diagnosis	ICD-10-CM
C5710	Malignant neoplasm of unspecified broad ligament	Diagnosis	ICD-10-CM
C5711	Malignant neoplasm of right broad ligament	Diagnosis	ICD-10-CM
C5712	Malignant neoplasm of left broad ligament	Diagnosis	ICD-10-CM
C5720	Malignant neoplasm of unspecified round ligament	Diagnosis	ICD-10-CM
C5721	Malignant neoplasm of right round ligament	Diagnosis	ICD-10-CM
C5722	Malignant neoplasm of left round ligament	Diagnosis	ICD-10-CM
C573	Malignant neoplasm of parametrium	Diagnosis	ICD-10-CM
C574	Malignant neoplasm of uterine adnexa, unspecified	Diagnosis	ICD-10-CM
C577	Malignant neoplasm of other specified female genital organs	Diagnosis	ICD-10-CM
C578	Malignant neoplasm of overlapping sites of female genital organs	Diagnosis	ICD-10-CM
C579	Malignant neoplasm of female genital organ, unspecified	Diagnosis	ICD-10-CM
C58	Malignant neoplasm of placenta	Diagnosis	ICD-10-CM
C600	Malignant neoplasm of prepuce	Diagnosis	ICD-10-CM
C601	Malignant neoplasm of glans penis	Diagnosis	ICD-10-CM
C602	Malignant neoplasm of body of penis	Diagnosis	ICD-10-CM
C608	Malignant neoplasm of overlapping sites of penis	Diagnosis	ICD-10-CM
C609	Malignant neoplasm of penis, unspecified	Diagnosis	ICD-10-CM
C61	Malignant neoplasm of prostate	Diagnosis	ICD-10-CM
C6200	Malignant neoplasm of unspecified undescended testis	Diagnosis	ICD-10-CM
C6201	Malignant neoplasm of undescended right testis	Diagnosis	ICD-10-CM
C6202	Malignant neoplasm of undescended left testis	Diagnosis	ICD-10-CM
C6210	Malignant neoplasm of unspecified descended testis	Diagnosis	ICD-10-CM
C6211	Malignant neoplasm of descended right testis	Diagnosis	ICD-10-CM
C6212	Malignant neoplasm of descended left testis	Diagnosis	ICD-10-CM
C6290	Malignant neoplasm of unspecified testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C6291	Malignant neoplasm of right testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C6292	Malignant neoplasm of left testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C6300	Malignant neoplasm of unspecified epididymis	Diagnosis	ICD-10-CM
C6301	Malignant neoplasm of right epididymis	Diagnosis	ICD-10-CM
C6302	Malignant neoplasm of left epididymis	Diagnosis	ICD-10-CM
C6310	Malignant neoplasm of unspecified spermatic cord	Diagnosis	ICD-10-CM
C6311	Malignant neoplasm of right spermatic cord	Diagnosis	ICD-10-CM
C6312	Malignant neoplasm of left spermatic cord	Diagnosis	ICD-10-CM
C632	Malignant neoplasm of scrotum	Diagnosis	ICD-10-CM
C637	Malignant neoplasm of other specified male genital organs	Diagnosis	ICD-10-CM
C638	Malignant neoplasm of overlapping sites of male genital organs	Diagnosis	ICD-10-CM
C641	Malignant neoplasm of right kidney, except renal pelvis	Diagnosis	ICD-10-CM
C642	Malignant neoplasm of left kidney, except renal pelvis	Diagnosis	ICD-10-CM
C649	Malignant neoplasm of unspecified kidney, except renal pelvis	Diagnosis	ICD-10-CM
C651	Malignant neoplasm of right renal pelvis	Diagnosis	ICD-10-CM
C652	Malignant neoplasm of left renal pelvis	Diagnosis	ICD-10-CM
C659	Malignant neoplasm of unspecified renal pelvis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C661	Malignant neoplasm of right ureter	Diagnosis	ICD-10-CM
C662	Malignant neoplasm of left ureter	Diagnosis	ICD-10-CM
C669	Malignant neoplasm of unspecified ureter	Diagnosis	ICD-10-CM
C670	Malignant neoplasm of trigone of bladder	Diagnosis	ICD-10-CM
C671	Malignant neoplasm of dome of bladder	Diagnosis	ICD-10-CM
C672	Malignant neoplasm of lateral wall of bladder	Diagnosis	ICD-10-CM
C673	Malignant neoplasm of anterior wall of bladder	Diagnosis	ICD-10-CM
C674	Malignant neoplasm of posterior wall of bladder	Diagnosis	ICD-10-CM
C675	Malignant neoplasm of bladder neck	Diagnosis	ICD-10-CM
C676	Malignant neoplasm of ureteric orifice	Diagnosis	ICD-10-CM
C677	Malignant neoplasm of urachus	Diagnosis	ICD-10-CM
C678	Malignant neoplasm of overlapping sites of bladder	Diagnosis	ICD-10-CM
C679	Malignant neoplasm of bladder, unspecified	Diagnosis	ICD-10-CM
C680	Malignant neoplasm of urethra	Diagnosis	ICD-10-CM
C681	Malignant neoplasm of paraurethral glands	Diagnosis	ICD-10-CM
C688	Malignant neoplasm of overlapping sites of urinary organs	Diagnosis	ICD-10-CM
C689	Malignant neoplasm of urinary organ, unspecified	Diagnosis	ICD-10-CM
C6900	Malignant neoplasm of unspecified conjunctiva	Diagnosis	ICD-10-CM
C6901	Malignant neoplasm of right conjunctiva	Diagnosis	ICD-10-CM
C6902	Malignant neoplasm of left conjunctiva	Diagnosis	ICD-10-CM
C6910	Malignant neoplasm of unspecified cornea	Diagnosis	ICD-10-CM
C6911	Malignant neoplasm of right cornea	Diagnosis	ICD-10-CM
C6912	Malignant neoplasm of left cornea	Diagnosis	ICD-10-CM
C6920	Malignant neoplasm of unspecified retina	Diagnosis	ICD-10-CM
C6921	Malignant neoplasm of right retina	Diagnosis	ICD-10-CM
C6922	Malignant neoplasm of left retina	Diagnosis	ICD-10-CM
C6930	Malignant neoplasm of unspecified choroid	Diagnosis	ICD-10-CM
C6931	Malignant neoplasm of right choroid	Diagnosis	ICD-10-CM
C6932	Malignant neoplasm of left choroid	Diagnosis	ICD-10-CM
C6940	Malignant neoplasm of unspecified ciliary body	Diagnosis	ICD-10-CM
C6941	Malignant neoplasm of right ciliary body	Diagnosis	ICD-10-CM
C6942	Malignant neoplasm of left ciliary body	Diagnosis	ICD-10-CM
C6950	Malignant neoplasm of unspecified lacrimal gland and duct	Diagnosis	ICD-10-CM
C6951	Malignant neoplasm of right lacrimal gland and duct	Diagnosis	ICD-10-CM
C6952	Malignant neoplasm of left lacrimal gland and duct	Diagnosis	ICD-10-CM
C6960	Malignant neoplasm of unspecified orbit	Diagnosis	ICD-10-CM
C6961	Malignant neoplasm of right orbit	Diagnosis	ICD-10-CM
C6962	Malignant neoplasm of left orbit	Diagnosis	ICD-10-CM
C6980	Malignant neoplasm of overlapping sites of unspecified eye and adnexa	Diagnosis	ICD-10-CM
C6981	Malignant neoplasm of overlapping sites of right eye and adnexa	Diagnosis	ICD-10-CM
C6982	Malignant neoplasm of overlapping sites of left eye and adnexa	Diagnosis	ICD-10-CM
C6990	Malignant neoplasm of unspecified site of unspecified eye	Diagnosis	ICD-10-CM
C6991	Malignant neoplasm of unspecified site of right eye	Diagnosis	ICD-10-CM
C6992	Malignant neoplasm of unspecified site of left eye	Diagnosis	ICD-10-CM
C700	Malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C701	Malignant neoplasm of spinal meninges	Diagnosis	ICD-10-CM
C709	Malignant neoplasm of meninges, unspecified	Diagnosis	ICD-10-CM
C710	Malignant neoplasm of cerebrum, except lobes and ventricles	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C711	Malignant neoplasm of frontal lobe	Diagnosis	ICD-10-CM
C712	Malignant neoplasm of temporal lobe	Diagnosis	ICD-10-CM
C713	Malignant neoplasm of parietal lobe	Diagnosis	ICD-10-CM
C714	Malignant neoplasm of occipital lobe	Diagnosis	ICD-10-CM
C715	Malignant neoplasm of cerebral ventricle	Diagnosis	ICD-10-CM
C716	Malignant neoplasm of cerebellum	Diagnosis	ICD-10-CM
C717	Malignant neoplasm of brain stem	Diagnosis	ICD-10-CM
C718	Malignant neoplasm of overlapping sites of brain	Diagnosis	ICD-10-CM
C719	Malignant neoplasm of brain, unspecified	Diagnosis	ICD-10-CM
C720	Malignant neoplasm of spinal cord	Diagnosis	ICD-10-CM
C721	Malignant neoplasm of cauda equina	Diagnosis	ICD-10-CM
C7220	Malignant neoplasm of unspecified olfactory nerve	Diagnosis	ICD-10-CM
C7221	Malignant neoplasm of right olfactory nerve	Diagnosis	ICD-10-CM
C7222	Malignant neoplasm of left olfactory nerve	Diagnosis	ICD-10-CM
C7230	Malignant neoplasm of unspecified optic nerve	Diagnosis	ICD-10-CM
C7231	Malignant neoplasm of right optic nerve	Diagnosis	ICD-10-CM
C7232	Malignant neoplasm of left optic nerve	Diagnosis	ICD-10-CM
C7250	Malignant neoplasm of unspecified cranial nerve	Diagnosis	ICD-10-CM
C7259	Malignant neoplasm of other cranial nerves	Diagnosis	ICD-10-CM
C729	Malignant neoplasm of central nervous system, unspecified	Diagnosis	ICD-10-CM
C73	Malignant neoplasm of thyroid gland	Diagnosis	ICD-10-CM
C7400	Malignant neoplasm of cortex of unspecified adrenal gland	Diagnosis	ICD-10-CM
C7401	Malignant neoplasm of cortex of right adrenal gland	Diagnosis	ICD-10-CM
C7402	Malignant neoplasm of cortex of left adrenal gland	Diagnosis	ICD-10-CM
C7410	Malignant neoplasm of medulla of unspecified adrenal gland	Diagnosis	ICD-10-CM
C7411	Malignant neoplasm of medulla of right adrenal gland	Diagnosis	ICD-10-CM
C7412	Malignant neoplasm of medulla of left adrenal gland	Diagnosis	ICD-10-CM
C743	MISSING?	Diagnosis	ICD-10-CM
C7490	Malignant neoplasm of unspecified part of unspecified adrenal gland	Diagnosis	ICD-10-CM
C7491	Malignant neoplasm of unspecified part of right adrenal gland	Diagnosis	ICD-10-CM
C7492	Malignant neoplasm of unspecified part of left adrenal gland	Diagnosis	ICD-10-CM
C750	Malignant neoplasm of parathyroid gland	Diagnosis	ICD-10-CM
C751	Malignant neoplasm of pituitary gland	Diagnosis	ICD-10-CM
C752	Malignant neoplasm of craniopharyngeal duct	Diagnosis	ICD-10-CM
C754	Malignant neoplasm of carotid body	Diagnosis	ICD-10-CM
C755	Malignant neoplasm of aortic body and other paraganglia	Diagnosis	ICD-10-CM
C758	Malignant neoplasm with pluriglandular involvement, unspecified	Diagnosis	ICD-10-CM
C759	Malignant neoplasm of endocrine gland, unspecified	Diagnosis	ICD-10-CM
C760	Malignant neoplasm of head, face and neck	Diagnosis	ICD-10-CM
C761	Malignant neoplasm of thorax	Diagnosis	ICD-10-CM
C762	Malignant neoplasm of abdomen	Diagnosis	ICD-10-CM
C763	Malignant neoplasm of pelvis	Diagnosis	ICD-10-CM
C7640	Malignant neoplasm of unspecified upper limb	Diagnosis	ICD-10-CM
C7641	Malignant neoplasm of right upper limb	Diagnosis	ICD-10-CM
C7642	Malignant neoplasm of left upper limb	Diagnosis	ICD-10-CM
C7650	Malignant neoplasm of unspecified lower limb	Diagnosis	ICD-10-CM
C7651	Malignant neoplasm of right lower limb	Diagnosis	ICD-10-CM
C7652	Malignant neoplasm of left lower limb	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C768	Malignant neoplasm of other specified ill-defined sites	Diagnosis	ICD-10-CM
C770	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck	Diagnosis	ICD-10-CM
C771	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C772	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C773	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes	Diagnosis	ICD-10-CM
C774	Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes	Diagnosis	ICD-10-CM
C775	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C778	Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions	Diagnosis	ICD-10-CM
C779	Secondary and unspecified malignant neoplasm of lymph node, unspecified	Diagnosis	ICD-10-CM
C7800	Secondary malignant neoplasm of unspecified lung	Diagnosis	ICD-10-CM
C7801	Secondary malignant neoplasm of right lung	Diagnosis	ICD-10-CM
C7802	Secondary malignant neoplasm of left lung	Diagnosis	ICD-10-CM
C781	Secondary malignant neoplasm of mediastinum	Diagnosis	ICD-10-CM
C782	Secondary malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C7830	Secondary malignant neoplasm of unspecified respiratory organ	Diagnosis	ICD-10-CM
C7839	Secondary malignant neoplasm of other respiratory organs	Diagnosis	ICD-10-CM
C784	Secondary malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
C785	Secondary malignant neoplasm of large intestine and rectum	Diagnosis	ICD-10-CM
C786	Secondary malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C787	Secondary malignant neoplasm of liver and intrahepatic bile duct	Diagnosis	ICD-10-CM
C7880	Secondary malignant neoplasm of unspecified digestive organ	Diagnosis	ICD-10-CM
C7889	Secondary malignant neoplasm of other digestive organs	Diagnosis	ICD-10-CM
C7900	Secondary malignant neoplasm of unspecified kidney and renal pelvis	Diagnosis	ICD-10-CM
C7901	Secondary malignant neoplasm of right kidney and renal pelvis	Diagnosis	ICD-10-CM
C7902	Secondary malignant neoplasm of left kidney and renal pelvis	Diagnosis	ICD-10-CM
C7910	Secondary malignant neoplasm of unspecified urinary organs	Diagnosis	ICD-10-CM
C7911	Secondary malignant neoplasm of bladder	Diagnosis	ICD-10-CM
C7919	Secondary malignant neoplasm of other urinary organs	Diagnosis	ICD-10-CM
C792	Secondary malignant neoplasm of skin	Diagnosis	ICD-10-CM
C7931	Secondary malignant neoplasm of brain	Diagnosis	ICD-10-CM
C7932	Secondary malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C7940	Secondary malignant neoplasm of unspecified part of nervous system	Diagnosis	ICD-10-CM
C7949	Secondary malignant neoplasm of other parts of nervous system	Diagnosis	ICD-10-CM
C7951	Secondary malignant neoplasm of bone	Diagnosis	ICD-10-CM
C7952	Secondary malignant neoplasm of bone marrow	Diagnosis	ICD-10-CM
C7960	Secondary malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C7961	Secondary malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C7962	Secondary malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C7970	Secondary malignant neoplasm of unspecified adrenal gland	Diagnosis	ICD-10-CM
C7971	Secondary malignant neoplasm of right adrenal gland	Diagnosis	ICD-10-CM
C7972	Secondary malignant neoplasm of left adrenal gland	Diagnosis	ICD-10-CM
C7981	Secondary malignant neoplasm of breast	Diagnosis	ICD-10-CM
C7982	Secondary malignant neoplasm of genital organs	Diagnosis	ICD-10-CM
C7989	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-10-CM
C799	Secondary malignant neoplasm of unspecified site	Diagnosis	ICD-10-CM
C7A00	Malignant carcinoid tumor of unspecified site	Diagnosis	ICD-10-CM
C7A010	Malignant carcinoid tumor of the duodenum	Diagnosis	ICD-10-CM
C7A011	Malignant carcinoid tumor of the jejunum	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C7A019	Malignant carcinoid tumor of the small intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A020	Malignant carcinoid tumor of the appendix	Diagnosis	ICD-10-CM
C7A021	Malignant carcinoid tumor of the cecum	Diagnosis	ICD-10-CM
C7A022	Malignant carcinoid tumor of the ascending colon	Diagnosis	ICD-10-CM
C7A023	Malignant carcinoid tumor of the transverse colon	Diagnosis	ICD-10-CM
C7A024	Malignant carcinoid tumor of the descending colon	Diagnosis	ICD-10-CM
C7A025	Malignant carcinoid tumor of the sigmoid colon	Diagnosis	ICD-10-CM
C7A026	Malignant carcinoid tumor of the rectum	Diagnosis	ICD-10-CM
C7A029	Malignant carcinoid tumor of the large intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A090	Malignant carcinoid tumor of the bronchus and lung	Diagnosis	ICD-10-CM
C7A091	Malignant carcinoid tumor of the thymus	Diagnosis	ICD-10-CM
C7A092	Malignant carcinoid tumor of the stomach	Diagnosis	ICD-10-CM
C7A093	Malignant carcinoid tumor of the kidney	Diagnosis	ICD-10-CM
C7A094	Malignant carcinoid tumor of the foregut unspecified	Diagnosis	ICD-10-CM
C7A095	Malignant carcinoid tumor of the midgut unspecified	Diagnosis	ICD-10-CM
C7A096	Malignant carcinoid tumor of the hindgut unspecified	Diagnosis	ICD-10-CM
C7A098	Malignant carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7A1	Malignant poorly differentiated neuroendocrine tumors	Diagnosis	ICD-10-CM
C7A012	Malignant carcinoid tumor of the ileum	Diagnosis	ICD-10-CM
C7A8	Other malignant neuroendocrine tumors	Diagnosis	ICD-10-CM
C7B00	Secondary carcinoid tumors, unspecified site	Diagnosis	ICD-10-CM
C7B01	Secondary carcinoid tumors of distant lymph nodes	Diagnosis	ICD-10-CM
C7B02	Secondary carcinoid tumors of liver	Diagnosis	ICD-10-CM
C7B03	Secondary carcinoid tumors of bone	Diagnosis	ICD-10-CM
C7B04	Secondary carcinoid tumors of peritoneum	Diagnosis	ICD-10-CM
C7B09	Secondary carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7B1	Secondary Merkel cell carcinoma	Diagnosis	ICD-10-CM
C7B8	Other secondary neuroendocrine tumors	Diagnosis	ICD-10-CM
C800	Disseminated malignant neoplasm, unspecified	Diagnosis	ICD-10-CM
C801	Malignant (primary) neoplasm, unspecified	Diagnosis	ICD-10-CM
C802	Malignant neoplasm associated with transplanted organ	Diagnosis	ICD-10-CM
D3701	Neoplasm of uncertain behavior of lip	Diagnosis	ICD-10-CM
D3702	Neoplasm of uncertain behavior of tongue	Diagnosis	ICD-10-CM
D37030	Neoplasm of uncertain behavior of the parotid salivary glands	Diagnosis	ICD-10-CM
D37031	Neoplasm of uncertain behavior of the sublingual salivary glands	Diagnosis	ICD-10-CM
D37032	Neoplasm of uncertain behavior of the submandibular salivary glands	Diagnosis	ICD-10-CM
D37039	Neoplasm of uncertain behavior of the major salivary glands, unspecified	Diagnosis	ICD-10-CM
D3704	Neoplasm of uncertain behavior of the minor salivary glands	Diagnosis	ICD-10-CM
D3705	Neoplasm of uncertain behavior of pharynx	Diagnosis	ICD-10-CM
D3709	Neoplasm of uncertain behavior of other specified sites of the oral cavity	Diagnosis	ICD-10-CM
D375	Neoplasm of uncertain behavior of rectum	Diagnosis	ICD-10-CM
D376	Neoplasm of uncertain behavior of liver, gallbladder and bile ducts	Diagnosis	ICD-10-CM
D378	Neoplasm of uncertain behavior of other specified digestive organs	Diagnosis	ICD-10-CM
D379	Neoplasm of uncertain behavior of digestive organ, unspecified	Diagnosis	ICD-10-CM
D380	Neoplasm of uncertain behavior of larynx	Diagnosis	ICD-10-CM
D381	Neoplasm of uncertain behavior of trachea, bronchus and lung	Diagnosis	ICD-10-CM
D382	Neoplasm of uncertain behavior of pleura	Diagnosis	ICD-10-CM
D383	Neoplasm of uncertain behavior of mediastinum	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D384	Neoplasm of uncertain behavior of thymus	Diagnosis	ICD-10-CM
D385	Neoplasm of uncertain behavior of other respiratory organs	Diagnosis	ICD-10-CM
D386	Neoplasm of uncertain behavior of respiratory organ, unspecified	Diagnosis	ICD-10-CM
D390	Neoplasm of uncertain behavior of uterus	Diagnosis	ICD-10-CM
D3910	Neoplasm of uncertain behavior of unspecified ovary	Diagnosis	ICD-10-CM
D3911	Neoplasm of uncertain behavior of right ovary	Diagnosis	ICD-10-CM
D3912	Neoplasm of uncertain behavior of left ovary	Diagnosis	ICD-10-CM
D392	Neoplasm of uncertain behavior of placenta	Diagnosis	ICD-10-CM
D398	Neoplasm of uncertain behavior of other specified female genital organs	Diagnosis	ICD-10-CM
D399	Neoplasm of uncertain behavior of female genital organ, unspecified	Diagnosis	ICD-10-CM
D400	Neoplasm of uncertain behavior of prostate	Diagnosis	ICD-10-CM
D4010	Neoplasm of uncertain behavior of unspecified testis	Diagnosis	ICD-10-CM
D4011	Neoplasm of uncertain behavior of right testis	Diagnosis	ICD-10-CM
D4012	Neoplasm of uncertain behavior of left testis	Diagnosis	ICD-10-CM
D4101	Neoplasm of uncertain behavior of right kidney	Diagnosis	ICD-10-CM
D4102	Neoplasm of uncertain behavior of left kidney	Diagnosis	ICD-10-CM
D4110	Neoplasm of uncertain behavior of unspecified renal pelvis	Diagnosis	ICD-10-CM
D4111	Neoplasm of uncertain behavior of right renal pelvis	Diagnosis	ICD-10-CM
D4112	Neoplasm of uncertain behavior of left renal pelvis	Diagnosis	ICD-10-CM
D4121	Neoplasm of uncertain behavior of right ureter	Diagnosis	ICD-10-CM
D4122	Neoplasm of uncertain behavior of left ureter	Diagnosis	ICD-10-CM
D413	Neoplasm of uncertain behavior of urethra	Diagnosis	ICD-10-CM
D414	Neoplasm of uncertain behavior of bladder	Diagnosis	ICD-10-CM
D418	Neoplasm of uncertain behavior of other specified urinary organs	Diagnosis	ICD-10-CM
D420	Neoplasm of uncertain behavior of cerebral meninges	Diagnosis	ICD-10-CM
D421	Neoplasm of uncertain behavior of spinal meninges	Diagnosis	ICD-10-CM
D429	Neoplasm of uncertain behavior of meninges, unspecified	Diagnosis	ICD-10-CM
D430	Neoplasm of uncertain behavior of brain, supratentorial	Diagnosis	ICD-10-CM
D431	Neoplasm of uncertain behavior of brain, infratentorial	Diagnosis	ICD-10-CM
D440	Neoplasm of uncertain behavior of thyroid gland	Diagnosis	ICD-10-CM
D4411	Neoplasm of uncertain behavior of right adrenal gland	Diagnosis	ICD-10-CM
D4412	Neoplasm of uncertain behavior of left adrenal gland	Diagnosis	ICD-10-CM
D442	Neoplasm of uncertain behavior of parathyroid gland	Diagnosis	ICD-10-CM
D445	Neoplasm of uncertain behavior of pineal gland	Diagnosis	ICD-10-CM
D449	Neoplasm of uncertain behavior of unspecified endocrine gland	Diagnosis	ICD-10-CM
D480	Neoplasm of uncertain behavior of bone and articular cartilage	Diagnosis	ICD-10-CM
D481	Neoplasm of uncertain behavior of connective and other soft tissue	Diagnosis	ICD-10-CM
D482	Neoplasm of uncertain behavior of peripheral nerves and autonomic nervous system	Diagnosis	ICD-10-CM
D483	Neoplasm of uncertain behavior of retroperitoneum	Diagnosis	ICD-10-CM
D484	Neoplasm of uncertain behavior of peritoneum	Diagnosis	ICD-10-CM
D4861	Neoplasm of uncertain behavior of right breast	Diagnosis	ICD-10-CM
D4862	Neoplasm of uncertain behavior of left breast	Diagnosis	ICD-10-CM
D408	Neoplasm of uncertain behavior of other specified male genital organs	Diagnosis	ICD-10-CM
D409	Neoplasm of uncertain behavior of male genital organ, unspecified	Diagnosis	ICD-10-CM
D4100	Neoplasm of uncertain behavior of unspecified kidney	Diagnosis	ICD-10-CM
D4120	Neoplasm of uncertain behavior of unspecified ureter	Diagnosis	ICD-10-CM
D419	Neoplasm of uncertain behavior of unspecified urinary organ	Diagnosis	ICD-10-CM
D432	Neoplasm of uncertain behavior of brain, unspecified	Diagnosis	ICD-10-CM



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D433	Neoplasm of uncertain behavior of cranial nerves	Diagnosis	ICD-10-CM
D434	Neoplasm of uncertain behavior of spinal cord	Diagnosis	ICD-10-CM
D438	Neoplasm of uncertain behavior of other specified parts of central nervous system	Diagnosis	ICD-10-CM
D439	Neoplasm of uncertain behavior of central nervous system, unspecified	Diagnosis	ICD-10-CM
D4410	Neoplasm of uncertain behavior of unspecified adrenal gland	Diagnosis	ICD-10-CM
D443	Neoplasm of uncertain behavior of pituitary gland	Diagnosis	ICD-10-CM
D444	Neoplasm of uncertain behavior of craniopharyngeal duct	Diagnosis	ICD-10-CM
D446	Neoplasm of uncertain behavior of carotid body	Diagnosis	ICD-10-CM
D447	Neoplasm of uncertain behavior of aortic body and other paraganglia	Diagnosis	ICD-10-CM
D4701	Histiocytic and mast cell tumors of uncertain behavior,Cutaneous mastocytosis	Diagnosis	ICD-10-CM
D4702	Histiocytic and mast cell tumors of uncertain behavior,Systemic mastocytosis	Diagnosis	ICD-10-CM
D4709	Other mast cell neoplasms of uncertain behavior	Diagnosis	ICD-10-CM
D4729	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related	Diagnosis	ICD-10-CM
D485	Neoplasm of uncertain behavior of skin	Diagnosis	ICD-10-CM
D4860	Neoplasm of uncertain behavior of unspecified breast	Diagnosis	ICD-10-CM
D487	Neoplasm of uncertain behavior of other specified sites	Diagnosis	ICD-10-CM
D489	Neoplasm of uncertain behavior, unspecified	Diagnosis	ICD-10-CM
D490	Neoplasm of unspecified behavior of digestive system	Diagnosis	ICD-10-CM
D491	Neoplasm of unspecified behavior of respiratory system	Diagnosis	ICD-10-CM
D492	Neoplasm of unspecified behavior of bone, soft tissue, and skin	Diagnosis	ICD-10-CM
D493	Neoplasm of unspecified behavior of breast	Diagnosis	ICD-10-CM
D494	Neoplasm of unspecified behavior of bladder	Diagnosis	ICD-10-CM
D49511	Neoplasm of unspecified behavior of right kidney	Diagnosis	ICD-10-CM
D49512	Neoplasm of unspecified behavior of left kidney	Diagnosis	ICD-10-CM
D49519	Neoplasm of unspecified behavior of unspecified kidney	Diagnosis	ICD-10-CM
D4959	Neoplasm of unspecified behavior of other genitourinary organ	Diagnosis	ICD-10-CM
D496	Neoplasm of unspecified behavior of brain	Diagnosis	ICD-10-CM
D497	Neoplasm of unspecified behavior of endocrine glands and other parts of nervous system	Diagnosis	ICD-10-CM
D4981	Neoplasm of unspecified behavior of retina and choroid	Diagnosis	ICD-10-CM
D4989	Neoplasm of unspecified behavior of other specified sites	Diagnosis	ICD-10-CM
D499	Neoplasm of unspecified behavior of unspecified site	Diagnosis	ICD-10-CM
Q8500	Neurofibromatosis, unspecified	Diagnosis	ICD-10-CM
Q8501	Neurofibromatosis, type 1	Diagnosis	ICD-10-CM
Q8502	Neurofibromatosis, type 2	Diagnosis	ICD-10-CM
Q8503	Schwannomatosis	Diagnosis	ICD-10-CM
Q8509	Other neurofibromatosis	Diagnosis	ICD-10-CM
C002	Malignant neoplasm of external lip, unspecified	Diagnosis	ICD-10-CM
C163	Malignant neoplasm of pyloric antrum	Diagnosis	ICD-10-CM
C212	Malignant neoplasm of cloacogenic zone	Diagnosis	ICD-10-CM
C4311	Malignant melanoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C4312	Malignant melanoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C439	Malignant melanoma of skin, unspecified	Diagnosis	ICD-10-CM
C452	Mesothelioma of pericardium	Diagnosis	ICD-10-CM
C4A11	Merkel cell carcinoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C4A12	Merkel cell carcinoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C639	Malignant neoplasm of male genital organ, unspecified	Diagnosis	ICD-10-CM
C7240	Malignant neoplasm of unspecified acoustic nerve	Diagnosis	ICD-10-CM
C7241	Malignant neoplasm of right acoustic nerve	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C7242	Malignant neoplasm of left acoustic nerve	Diagnosis	ICD-10-CM
C753	Malignant neoplasm of pineal gland	Diagnosis	ICD-10-CM
<b>Immunosuppression</b>			
<b>Immunodeficiency</b>			
B20	Human immunodeficiency virus (HIV) disease	Diagnosis	ICD-10-CM
B9735	Human immunodeficiency virus, type 2 (HIV 2) as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
D893	Immune reconstitution syndrome	Diagnosis	ICD-10-CM
R75	Inconclusive laboratory evidence of human immunodeficiency virus [HIV]	Diagnosis	ICD-10-CM
Z21	Asymptomatic human immunodeficiency virus (HIV) infection status	Diagnosis	ICD-10-CM
D5702	Hb-SS disease with splenic sequestration	Diagnosis	ICD-10-CM
D57212	Sickle-cell/Hb-C disease with splenic sequestration	Diagnosis	ICD-10-CM
D57412	Sickle-cell thalassemia with splenic sequestration	Diagnosis	ICD-10-CM
D57812	Other sickle-cell disorders with splenic sequestration	Diagnosis	ICD-10-CM
D700	Congenital agranulocytosis	Diagnosis	ICD-10-CM
D704	Cyclic neutropenia	Diagnosis	ICD-10-CM
D71	Functional disorders of polymorphonuclear neutrophils	Diagnosis	ICD-10-CM
D761	Hemophagocytic lymphohistiocytosis	Diagnosis	ICD-10-CM
D762	Hemophagocytic syndrome, infection-associated	Diagnosis	ICD-10-CM
D763	Other histiocytosis syndromes	Diagnosis	ICD-10-CM
D800	Hereditary hypogammaglobulinemia	Diagnosis	ICD-10-CM
D801	Nonfamilial hypogammaglobulinemia	Diagnosis	ICD-10-CM
D802	Selective deficiency of immunoglobulin A [IgA]	Diagnosis	ICD-10-CM
D803	Selective deficiency of immunoglobulin G [IgG] subclasses	Diagnosis	ICD-10-CM
D804	Selective deficiency of immunoglobulin M [IgM]	Diagnosis	ICD-10-CM
D805	Immunodeficiency with increased immunoglobulin M [IgM]	Diagnosis	ICD-10-CM
D806	Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinemia	Diagnosis	ICD-10-CM
D808	Other immunodeficiencies with predominantly antibody defects	Diagnosis	ICD-10-CM
D809	Immunodeficiency with predominantly antibody defects, unspecified	Diagnosis	ICD-10-CM
D810	Severe combined immunodeficiency [SCID] with reticular dysgenesis	Diagnosis	ICD-10-CM
D811	Severe combined immunodeficiency [SCID] with low T- and B-cell numbers	Diagnosis	ICD-10-CM
D812	Severe combined immunodeficiency [SCID] with low or normal B-cell numbers	Diagnosis	ICD-10-CM
D813	Adenosine deaminase [ADA] deficiency	Diagnosis	ICD-10-CM
D8130	Adenosine deaminase deficiency, unspecified	Diagnosis	ICD-10-CM
D8131	Adenosine deaminase deficiency with severe combined immunodeficiency	Diagnosis	ICD-10-CM
D8132	Adenosine deaminase 2 deficiency	Diagnosis	ICD-10-CM
D8139	Other adenosine deaminase deficiency	Diagnosis	ICD-10-CM
D814	Nezelof's syndrome	Diagnosis	ICD-10-CM
D815	Purine nucleoside phosphorylase [PNP] deficiency	Diagnosis	ICD-10-CM
D816	Major histocompatibility complex class I deficiency	Diagnosis	ICD-10-CM
D817	Major histocompatibility complex class II deficiency	Diagnosis	ICD-10-CM
D8189	Other combined immunodeficiencies	Diagnosis	ICD-10-CM
D819	Combined immunodeficiency, unspecified	Diagnosis	ICD-10-CM
D820	Wiskott-Aldrich syndrome	Diagnosis	ICD-10-CM
D821	Di George's syndrome	Diagnosis	ICD-10-CM
D822	Immunodeficiency with short-limbed stature	Diagnosis	ICD-10-CM
D823	Immunodeficiency following hereditary defective response to Epstein-Barr virus	Diagnosis	ICD-10-CM
D824	Hyperimmunoglobulin E [IgE] syndrome	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D828	Immunodeficiency associated with other specified major defects	Diagnosis	ICD-10-CM
D829	Immunodeficiency associated with major defect, unspecified	Diagnosis	ICD-10-CM
D830	Common variable immunodeficiency with predominant abnormalities of B-cell numbers and	Diagnosis	ICD-10-CM
D831	Common variable immunodeficiency with predominant immunoregulatory T-cell disorders	Diagnosis	ICD-10-CM
D832	Common variable immunodeficiency with autoantibodies to B- or T-cells	Diagnosis	ICD-10-CM
D838	Other common variable immunodeficiencies	Diagnosis	ICD-10-CM
D839	Common variable immunodeficiency, unspecified	Diagnosis	ICD-10-CM
D840	Lymphocyte function antigen-1 [LFA-1] defect	Diagnosis	ICD-10-CM
D841	Defects in the complement system	Diagnosis	ICD-10-CM
D848	Other specified immunodeficiencies	Diagnosis	ICD-10-CM
D849	Immunodeficiency, unspecified	Diagnosis	ICD-10-CM
D8982	Autoimmune lymphoproliferative syndrome [ALPS]	Diagnosis	ICD-10-CM
E40	Kwashiorkor	Diagnosis	ICD-10-CM
E41	Nutritional marasmus	Diagnosis	ICD-10-CM
E42	Marasmic kwashiorkor	Diagnosis	ICD-10-CM
E43	Unspecified severe protein-calorie malnutrition	Diagnosis	ICD-10-CM
E803	Defects of catalase and peroxidase	Diagnosis	ICD-10-CM
Q8901	Asplenia (congenital)	Diagnosis	ICD-10-CM
Q8909	Congenital malformations of spleen	Diagnosis	ICD-10-CM
B180	Chronic viral hepatitis B with delta-agent	Diagnosis	ICD-10-CM
B181	Chronic viral hepatitis B without delta-agent	Diagnosis	ICD-10-CM
B182	Chronic viral hepatitis C	Diagnosis	ICD-10-CM
B189	Chronic viral hepatitis, unspecified	Diagnosis	ICD-10-CM
D510	Vitamin B12 deficiency anemia due to intrinsic factor deficiency	Diagnosis	ICD-10-CM
D590	Drug-induced autoimmune hemolytic anemia	Diagnosis	ICD-10-CM
D591	Other autoimmune hemolytic anemias	Diagnosis	ICD-10-CM
D600	Chronic acquired pure red cell aplasia	Diagnosis	ICD-10-CM
D601	Transient acquired pure red cell aplasia	Diagnosis	ICD-10-CM
D608	Other acquired pure red cell aplasias	Diagnosis	ICD-10-CM
D609	Acquired pure red cell aplasia, unspecified	Diagnosis	ICD-10-CM
D610	Constitutional aplastic anemia	Diagnosis	ICD-10-CM
D6101	Constitutional (pure) red blood cell aplasia	Diagnosis	ICD-10-CM
D6109	Other constitutional aplastic anemia	Diagnosis	ICD-10-CM
D611	Drug-induced aplastic anemia	Diagnosis	ICD-10-CM
D612	Aplastic anemia due to other external agents	Diagnosis	ICD-10-CM
D613	Idiopathic aplastic anemia	Diagnosis	ICD-10-CM
D61810	Antineoplastic chemotherapy induced pancytopenia	Diagnosis	ICD-10-CM
D61811	Other drug induced pancytopenia	Diagnosis	ICD-10-CM
D61812	Other pancytopenia	Diagnosis	ICD-10-CM
D6189	Other specified aplastic anemias and other bone marrow failure syndromes	Diagnosis	ICD-10-CM
D619	Aplastic anemia, unspecified	Diagnosis	ICD-10-CM
D6481	Anemia due to antineoplastic chemotherapy	Diagnosis	ICD-10-CM
D690	Allergic purpura	Diagnosis	ICD-10-CM
D692	Other nonthrombocytopenic purpura	Diagnosis	ICD-10-CM
D693	Immune thrombocytopenic purpura	Diagnosis	ICD-10-CM
D6941	Evans syndrome	Diagnosis	ICD-10-CM
D701	Agranulocytosis secondary to cancer chemotherapy	Diagnosis	ICD-10-CM
D702	Other drug-induced agranulocytosis	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D720	Genetic anomalies of leukocytes	Diagnosis	ICD-10-CM
D89810	Acute graft-versus-host disease	Diagnosis	ICD-10-CM
D89811	Chronic graft-versus-host disease	Diagnosis	ICD-10-CM
D89812	Acute on chronic graft-versus-host disease	Diagnosis	ICD-10-CM
D89813	Graft-versus-host disease, unspecified	Diagnosis	ICD-10-CM
D8989	Other specified disorders involving the immune mechanism, not elsewhere classified	Diagnosis	ICD-10-CM
D899	Disorder involving the immune mechanism, unspecified	Diagnosis	ICD-10-CM
E0500	Thyrotoxicosis with diffuse goiter without thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0501	Thyrotoxicosis with diffuse goiter with thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0510	Thyrotoxicosis with toxic single thyroid nodule without thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0511	Thyrotoxicosis with toxic single thyroid nodule with thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0520	Thyrotoxicosis with toxic multinodular goiter without thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0521	Thyrotoxicosis with toxic multinodular goiter with thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0580	Other thyrotoxicosis without thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0581	Other thyrotoxicosis with thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0590	Thyrotoxicosis, unspecified without thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E0591	Thyrotoxicosis, unspecified with thyrotoxic crisis or storm	Diagnosis	ICD-10-CM
E060	Acute thyroiditis	Diagnosis	ICD-10-CM
E061	Subacute thyroiditis	Diagnosis	ICD-10-CM
E062	Chronic thyroiditis with transient thyrotoxicosis	Diagnosis	ICD-10-CM
E063	Autoimmune thyroiditis	Diagnosis	ICD-10-CM
E064	Drug-induced thyroiditis	Diagnosis	ICD-10-CM
E065	Other chronic thyroiditis	Diagnosis	ICD-10-CM
E069	Thyroiditis, unspecified	Diagnosis	ICD-10-CM
E271	Primary adrenocortical insufficiency	Diagnosis	ICD-10-CM
E272	Addisonian crisis	Diagnosis	ICD-10-CM
G35	Multiple sclerosis	Diagnosis	ICD-10-CM
G7000	Myasthenia gravis without (acute) exacerbation	Diagnosis	ICD-10-CM
G7001	Myasthenia gravis with (acute) exacerbation	Diagnosis	ICD-10-CM
G7080	Lambert-Eaton syndrome, unspecified	Diagnosis	ICD-10-CM
G7081	Lambert-Eaton syndrome in disease classified elsewhere	Diagnosis	ICD-10-CM
G7241	Inclusion body myositis [IBM]	Diagnosis	ICD-10-CM
G7249	Other inflammatory and immune myopathies, not elsewhere classified	Diagnosis	ICD-10-CM
I120	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	Diagnosis	ICD-10-CM
I1311	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I731	Thromboangiitis obliterans [Buerger's disease]	Diagnosis	ICD-10-CM
I776	Arteritis, unspecified	Diagnosis	ICD-10-CM
I8500	Esophageal varices without bleeding	Diagnosis	ICD-10-CM
I8501	Esophageal varices with bleeding	Diagnosis	ICD-10-CM
I8510	Secondary esophageal varices without bleeding	Diagnosis	ICD-10-CM
I8511	Secondary esophageal varices with bleeding	Diagnosis	ICD-10-CM
K7210	Chronic hepatic failure without coma	Diagnosis	ICD-10-CM
K7211	Chronic hepatic failure with coma	Diagnosis	ICD-10-CM
K7290	Hepatic failure, unspecified without coma	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
K7291	Hepatic failure, unspecified with coma	Diagnosis	ICD-10-CM
K763	Infarction of liver	Diagnosis	ICD-10-CM
K743	Primary billiary cirrhosis	Diagnosis	ICD-10-CM
K766	Portal hypertension	Diagnosis	ICD-10-CM
K7681	Hepatopulmonary syndrome	Diagnosis	ICD-10-CM
K912	Postsurgical malabsorption, not elsewhere classified	Diagnosis	ICD-10-CM
L100	Pemphigus vulgaris	Diagnosis	ICD-10-CM
L101	Pemphigus vegetans	Diagnosis	ICD-10-CM
L102	Pemphigus foliaceus	Diagnosis	ICD-10-CM
L103	Brazilian pemphigus [fogo selvagem]	Diagnosis	ICD-10-CM
L104	Pemphigus erythematosus	Diagnosis	ICD-10-CM
L1081	Paraneoplastic pemphigus	Diagnosis	ICD-10-CM
L1089	Other pemphigus	Diagnosis	ICD-10-CM
L109	Pemphigus, unspecified	Diagnosis	ICD-10-CM
L120	Bullous pemphigoid	Diagnosis	ICD-10-CM
L121	Cicatricial pemphigoid	Diagnosis	ICD-10-CM
L122	Chronic bullous disease of childhood	Diagnosis	ICD-10-CM
L128	Other pemphigoid	Diagnosis	ICD-10-CM
L129	Pemphigoid, unspecified	Diagnosis	ICD-10-CM
L130	Dermatitis herpetiformis	Diagnosis	ICD-10-CM
L138	Other specified bullous disorders	Diagnosis	ICD-10-CM
L139	Bullous disorder, unspecified	Diagnosis	ICD-10-CM
L400	Psoriasis vulgaris	Diagnosis	ICD-10-CM
L401	Generalized pustular psoriasis	Diagnosis	ICD-10-CM
L402	Acrodermatitis continua	Diagnosis	ICD-10-CM
L403	Pustulosis palmaris et plantaris	Diagnosis	ICD-10-CM
L404	Guttate psoriasis	Diagnosis	ICD-10-CM
L4050	Arthropathic psoriasis, unspecified	Diagnosis	ICD-10-CM
L4051	Distal interphalangeal psoriatic arthropathy	Diagnosis	ICD-10-CM
L4052	Psoriatic arthritis mutilans	Diagnosis	ICD-10-CM
L4053	Psoriatic spondylitis	Diagnosis	ICD-10-CM
L4054	Psoriatic juvenile arthropathy	Diagnosis	ICD-10-CM
L4059	Other psoriatic arthropathy	Diagnosis	ICD-10-CM
L408	Other psoriasis	Diagnosis	ICD-10-CM
L409	Psoriasis, unspecified	Diagnosis	ICD-10-CM
M308	Other conditions related to polyarteritis nodosa	Diagnosis	ICD-10-CM
M310	Hypersensitivity angiitis	Diagnosis	ICD-10-CM
M311	Thrombotic microangiopathy	Diagnosis	ICD-10-CM
M312	Lethal midline granuloma	Diagnosis	ICD-10-CM
M3130	Wegener's granulomatosis without renal involvement	Diagnosis	ICD-10-CM
M3131	Wegener's granulomatosis with renal involvement	Diagnosis	ICD-10-CM
M314	Aortic arch syndrome [Takayasu]	Diagnosis	ICD-10-CM
M315	Giant cell arteritis with polymyalgia rheumatica	Diagnosis	ICD-10-CM
M316	Other giant cell arteritis	Diagnosis	ICD-10-CM
M317	Microscopic polyangiitis	Diagnosis	ICD-10-CM
M318	Other specified necrotizing vasculopathies	Diagnosis	ICD-10-CM
M319	Necrotizing vasculopathy, unspecified	Diagnosis	ICD-10-CM
M3500	Sicca syndrome, unspecified	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M3501	Sicca syndrome with keratoconjunctivitis	Diagnosis	ICD-10-CM
M3502	Sicca syndrome with lung involvement	Diagnosis	ICD-10-CM
M3503	Sicca syndrome with myopathy	Diagnosis	ICD-10-CM
M3504	Sicca syndrome with tubulo-interstitial nephropathy	Diagnosis	ICD-10-CM
M3509	Sicca syndrome with other organ involvement	Diagnosis	ICD-10-CM
M351	Other overlap syndromes	Diagnosis	ICD-10-CM
M352	Behçet's disease	Diagnosis	ICD-10-CM
M353	Polymyalgia rheumatica	Diagnosis	ICD-10-CM
M354	Diffuse (eosinophilic) fasciitis	Diagnosis	ICD-10-CM
M355	Multifocal fibrosclerosis	Diagnosis	ICD-10-CM
M356	Relapsing panniculitis [Weber-Christian]	Diagnosis	ICD-10-CM
M358	Other specified systemic involvement of connective tissue	Diagnosis	ICD-10-CM
M359	Systemic involvement of connective tissue, unspecified	Diagnosis	ICD-10-CM
N000	Acute nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N001	Acute nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N002	Acute nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N003	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N004	Acute nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N005	Acute nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N006	Acute nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N007	Acute nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N008	Acute nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N009	Acute nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N010	Rapidly progressive nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N011	Rapidly progressive nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N012	Rapidly progressive nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N013	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N014	Rapidly progressive nephritic syndrome with diffuse endocapillary proliferative	Diagnosis	ICD-10-CM
N015	Rapidly progressive nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N016	Rapidly progressive nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N017	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N018	Rapidly progressive nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N019	Rapidly progressive nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N020	Recurrent and persistent hematuria with minor glomerular abnormality	Diagnosis	ICD-10-CM
N021	Recurrent and persistent hematuria with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N022	Recurrent and persistent hematuria with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N023	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N024	Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N025	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N026	Recurrent and persistent hematuria with dense deposit disease	Diagnosis	ICD-10-CM
N027	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N028	Recurrent and persistent hematuria with other morphologic changes	Diagnosis	ICD-10-CM
N029	Recurrent and persistent hematuria with unspecified morphologic changes	Diagnosis	ICD-10-CM
N030	Chronic nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N031	Chronic nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N032	Chronic nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
N033	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N034	Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N035	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N036	Chronic nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N037	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N038	Chronic nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N039	Chronic nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N040	Nephrotic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N041	Nephrotic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N042	Nephrotic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N043	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N044	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N045	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N046	Nephrotic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N047	Nephrotic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N048	Nephrotic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N049	Nephrotic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N050	Unspecified nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N051	Unspecified nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N052	Unspecified nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N053	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N054	Unspecified nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N055	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N056	Unspecified nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N057	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N058	Unspecified nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N059	Unspecified nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N060	Isolated proteinuria with minor glomerular abnormality	Diagnosis	ICD-10-CM
N061	Isolated proteinuria with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N062	Isolated proteinuria with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N063	Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N064	Isolated proteinuria with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N065	Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N066	Isolated proteinuria with dense deposit disease	Diagnosis	ICD-10-CM
N067	Isolated proteinuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N068	Isolated proteinuria with other morphologic lesion	Diagnosis	ICD-10-CM
N069	Isolated proteinuria with unspecified morphologic lesion	Diagnosis	ICD-10-CM
N070	Hereditary nephropathy, not elsewhere classified with minor glomerular abnormality	Diagnosis	ICD-10-CM
N071	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N072	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N073	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N074	Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N075	Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
N076	Hereditary nephropathy, not elsewhere classified with dense deposit disease	Diagnosis	ICD-10-CM
N077	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N078	Hereditary nephropathy, not elsewhere classified with other morphologic lesions	Diagnosis	ICD-10-CM
N079	Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions	Diagnosis	ICD-10-CM
N08	Glomerular disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N140	Analgesic nephropathy	Diagnosis	ICD-10-CM
N141	Nephropathy induced by other drugs, medicaments and biological substances	Diagnosis	ICD-10-CM
N142	Nephropathy induced by unspecified drug, medicament or biological substance	Diagnosis	ICD-10-CM
N143	Nephropathy induced by heavy metals	Diagnosis	ICD-10-CM
N144	Toxic nephropathy, not elsewhere classified	Diagnosis	ICD-10-CM
N150	Balkan nephropathy	Diagnosis	ICD-10-CM
N158	Other specified renal tubulo-interstitial diseases	Diagnosis	ICD-10-CM
N159	Renal tubulo-interstitial disease, unspecified	Diagnosis	ICD-10-CM
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N171	Acute kidney failure with acute cortical necrosis	Diagnosis	ICD-10-CM
N172	Acute kidney failure with medullary necrosis	Diagnosis	ICD-10-CM
N185	Chronic kidney disease, stage 5	Diagnosis	ICD-10-CM
N186	End stage renal disease	Diagnosis	ICD-10-CM
R9082	White matter disease, unspecified	Diagnosis	ICD-10-CM
T451X1A	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T451X1D	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T451X1S	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T451X2A	Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T451X2D	Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T451X2S	Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T451X3A	Poisoning by antineoplastic and immunosuppressive drugs, assault, initial encounter	Diagnosis	ICD-10-CM
T451X3D	Poisoning by antineoplastic and immunosuppressive drugs, assault, subsequent encounter	Diagnosis	ICD-10-CM
T451X3S	Poisoning by antineoplastic and immunosuppressive drugs, assault, sequela	Diagnosis	ICD-10-CM
T451X4A	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, initial encounter	Diagnosis	ICD-10-CM
T451X4D	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T451X4S	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, sequela	Diagnosis	ICD-10-CM
T451X5A	Adverse effect of antineoplastic and immunosuppressive drugs, initial encounter	Diagnosis	ICD-10-CM
T451X5D	Adverse effect of antineoplastic and immunosuppressive drugs, subsequent encounter	Diagnosis	ICD-10-CM
T451X5S	Adverse effect of antineoplastic and immunosuppressive drugs, sequela	Diagnosis	ICD-10-CM
I25750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina	Diagnosis	ICD-10-CM
I25751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I25758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris	Diagnosis	ICD-10-CM
I25759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris	Diagnosis	ICD-10-CM



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I25760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	Diagnosis	ICD-10-CM
I25761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I25768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris	Diagnosis	ICD-10-CM
I25769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris	Diagnosis	ICD-10-CM
I25811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris	Diagnosis	ICD-10-CM
I25812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris	Diagnosis	ICD-10-CM
T8600	Unspecified complication of bone marrow transplant	Diagnosis	ICD-10-CM
T8601	Bone marrow transplant rejection	Diagnosis	ICD-10-CM
T8602	Bone marrow transplant failure	Diagnosis	ICD-10-CM
T8603	Bone marrow transplant infection	Diagnosis	ICD-10-CM
T8609	Other complications of bone marrow transplant	Diagnosis	ICD-10-CM
T8610	Unspecified complication of kidney transplant	Diagnosis	ICD-10-CM
T8611	Kidney transplant rejection	Diagnosis	ICD-10-CM
T8612	Kidney transplant failure	Diagnosis	ICD-10-CM
T8613	Kidney transplant infection	Diagnosis	ICD-10-CM
T8619	Other complication of kidney transplant	Diagnosis	ICD-10-CM
T8620	Unspecified complication of heart transplant	Diagnosis	ICD-10-CM
T8621	Heart transplant rejection	Diagnosis	ICD-10-CM
T8622	Heart transplant failure	Diagnosis	ICD-10-CM
T8623	Heart transplant infection	Diagnosis	ICD-10-CM
T86290	Cardiac allograft vasculopathy	Diagnosis	ICD-10-CM
T86298	Other complications of heart transplant	Diagnosis	ICD-10-CM
T8630	Unspecified complication of heart-lung transplant	Diagnosis	ICD-10-CM
T8631	Heart-lung transplant rejection	Diagnosis	ICD-10-CM
T8632	Heart-lung transplant failure	Diagnosis	ICD-10-CM
T8633	Heart-lung transplant infection	Diagnosis	ICD-10-CM
T8639	Other complications of heart-lung transplant	Diagnosis	ICD-10-CM
T8640	Unspecified complication of liver transplant	Diagnosis	ICD-10-CM
T8641	Liver transplant rejection	Diagnosis	ICD-10-CM
T8642	Liver transplant failure	Diagnosis	ICD-10-CM
T8643	Liver transplant infection	Diagnosis	ICD-10-CM
T8649	Other complications of liver transplant	Diagnosis	ICD-10-CM
T86810	Lung transplant rejection	Diagnosis	ICD-10-CM
T86811	Lung transplant failure	Diagnosis	ICD-10-CM
T86812	Lung transplant infection	Diagnosis	ICD-10-CM
T86818	Other complications of lung transplant	Diagnosis	ICD-10-CM
T86819	Unspecified complication of lung transplant	Diagnosis	ICD-10-CM
T86850	Intestine transplant rejection	Diagnosis	ICD-10-CM
T86851	Intestine transplant failure	Diagnosis	ICD-10-CM
T86852	Intestine transplant infection	Diagnosis	ICD-10-CM
T86858	Other complications of intestine transplant	Diagnosis	ICD-10-CM
T86859	Unspecified complication of intestine transplant	Diagnosis	ICD-10-CM
T86890	Other transplanted tissue rejection	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
T86891	Other transplanted tissue failure	Diagnosis	ICD-10-CM
T86892	Other transplanted tissue infection	Diagnosis	ICD-10-CM
T86898	Other complications of other transplanted tissue	Diagnosis	ICD-10-CM
T86899	Unspecified complication of other transplanted tissue	Diagnosis	ICD-10-CM
T8690	Unspecified complication of unspecified transplanted organ and tissue	Diagnosis	ICD-10-CM
T8691	Unspecified transplanted organ and tissue rejection	Diagnosis	ICD-10-CM
T8692	Unspecified transplanted organ and tissue failure	Diagnosis	ICD-10-CM
T8693	Unspecified transplanted organ and tissue infection	Diagnosis	ICD-10-CM
T8699	Other complications of unspecified transplanted organ and tissue	Diagnosis	ICD-10-CM
Y830	Surgical operation with transplant of whole organ as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure	Diagnosis	ICD-10-CM
Z940	Kidney transplant status	Diagnosis	ICD-10-CM
Z941	Heart transplant status	Diagnosis	ICD-10-CM
Z942	Lung transplant status	Diagnosis	ICD-10-CM
Z943	Heart and lungs transplant status	Diagnosis	ICD-10-CM
Z944	Liver transplant status	Diagnosis	ICD-10-CM
Z9481	Bone marrow transplant status	Diagnosis	ICD-10-CM
Z9482	Intestine transplant status	Diagnosis	ICD-10-CM
Z9483	Pancreas transplant status	Diagnosis	ICD-10-CM
Z9484	Stem cells transplant status	Diagnosis	ICD-10-CM
Z9489	Other transplanted organ and tissue status	Diagnosis	ICD-10-CM
Z949	Transplanted organ and tissue status, unspecified	Diagnosis	ICD-10-CM
D89810	Acute graft-versus-host disease	Diagnosis	ICD-10-CM
D89811	Chronic graft-versus-host disease	Diagnosis	ICD-10-CM
D89812	Acute on chronic graft-versus-host disease	Diagnosis	ICD-10-CM
D89813	Graft-versus-host disease, unspecified	Diagnosis	ICD-10-CM
Z4821	Encounter for aftercare following heart transplant	Diagnosis	ICD-10-CM
Z4822	Encounter for aftercare following kidney transplant	Diagnosis	ICD-10-CM
Z4823	Encounter for aftercare following liver transplant	Diagnosis	ICD-10-CM
Z4824	Encounter for aftercare following lung transplant	Diagnosis	ICD-10-CM
Z48280	Encounter for aftercare following heart-lung transplant	Diagnosis	ICD-10-CM
Z48288	Encounter for aftercare following multiple organ transplant	Diagnosis	ICD-10-CM
Z48290	Encounter for aftercare following bone marrow transplant	Diagnosis	ICD-10-CM
Z48298	Encounter for aftercare following other organ transplant	Diagnosis	ICD-10-CM
Z49	Encounter for care involving renal dialysis	Diagnosis	ICD-10-CM
Z4901	Encounter for fitting and adjustment of extracorporeal dialysis catheter	Diagnosis	ICD-10-CM
Z4902	Encounter for fitting and adjustment of peritoneal dialysis catheter	Diagnosis	ICD-10-CM
Z4931	Encounter for adequacy testing for hemodialysis	Diagnosis	ICD-10-CM
Z4932	Encounter for adequacy testing for peritoneal dialysis	Diagnosis	ICD-10-CM
Z992	Dependence on renal dialysis	Diagnosis	ICD-10-CM
32851	Lung transplant, single; without cardiopulmonary bypass	Procedure	CPT-4
32852	Lung transplant, single; with cardiopulmonary bypass	Procedure	CPT-4
32853	Lung transplant, double (bilateral sequential or en bloc); without cardiopulmonary bypass	Procedure	CPT-4
32854	Lung transplant, double (bilateral sequential or en bloc); with cardiopulmonary bypass	Procedure	CPT-4
33935	Heart-lung transplant with recipient cardiectomy-pneumonectomy	Procedure	CPT-4
33945	Heart transplant, with or without recipient cardiectomy	Procedure	CPT-4
38240	Hematopoietic progenitor cell (HPC); allogeneic transplantation per donor	Procedure	CPT-4

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
38242	Allogeneic lymphocyte infusions	Procedure	CPT-4
38243	Allogeneic hematopoietic cellular transplant boost	Procedure	CPT-4
44135	Intestinal allotransplantation; from cadaver donor	Procedure	CPT-4
44136	Intestinal allotransplantation; from living donor	Procedure	CPT-4
47135	Liver allotransplantation; orthotopic, partial or whole, from cadaver or living donor, any age	Procedure	CPT-4
47136	Liver allotransplantation; heterotopic, partial or whole, from cadaver or living donor, any	Procedure	CPT-4
48554	Transplantation of pancreatic allograft	Procedure	CPT-4
50360	Renal allotransplantation, implantation of graft; without recipient nephrectomy	Procedure	CPT-4
50365	Renal allotransplantation, implantation of graft; with recipient nephrectomy	Procedure	CPT-4
50366	Renal Homotransplantation, Implantation Of Graft	Procedure	CPT-4
50370	Removal of transplanted renal allograft	Procedure	CPT-4
3490F	History of AIDS-defining condition (HIV)	Procedure	CPT-2
A4653	Peritoneal dialysis catheter anchoring device, belt, each	Procedure	HCPCS
A4671	Disposable cyclor set used with cyclor dialysis machine, each	Procedure	HCPCS
A4672	Drainage extension line, sterile, for dialysis, each	Procedure	HCPCS
A4673	Extension line with easy lock connectors, used with dialysis	Procedure	HCPCS
A4674	Chemicals/antiseptics solution used to clean/sterilize dialysis equipment, per 8 oz	Procedure	HCPCS
A4680	Activated carbon filters for dialysis	Procedure	HCPCS
A4690	Dialyzers (artificial kidneys) all brands, all sizes per unit	Procedure	HCPCS
A4700	Standard dialysate solution, each	Procedure	HCPCS
A4705	Bicarbonate dialysate solution, each	Procedure	HCPCS
A4706	Bicarbonate concentrate, solution, for hemodialysis, per gallon	Procedure	HCPCS
A4707	Bicarbonate concentrate, powder, for hemodialysis, per packet	Procedure	HCPCS
A4708	Acetate concentrate solution, for hemodialysis, per gallon	Procedure	HCPCS
A4709	Acid concentrate, solution, for hemodialysis, per gallon	Procedure	HCPCS
A4712	Water, sterile	Procedure	HCPCS
A4714	Treated water (deionized, distilled, reverse osmosis) for use in dialysis system	Procedure	HCPCS
A4719	"y set" tubing for peritoneal dialysis	Procedure	HCPCS
A4720	Dialysate solution, any concentration of dextrose, fluid volume greater than 249cc, but less than or equal to 999cc, for peritoneal dialysis	Procedure	HCPCS
A4721	Dialysate solution, any concentration of dextrose, fluid volume greater than 999cc but less than or equal to 1999cc, for peritoneal dialysis	Procedure	HCPCS
A4722	Dialysate solution, any concentration of dextrose, fluid volume greater than 1999cc but less than or equal to 2999cc, for peritoneal dialysis	Procedure	HCPCS
A4723	Dialysate solution, any concentration of dextrose, fluid volume greater than 2999cc but less than or equal to 3999cc, for peritoneal dialysis	Procedure	HCPCS
A4724	Dialysate solution, any concentration of dextrose, fluid volume greater than 3999cc but less than or equal to 4999cc, for peritoneal dialysis	Procedure	HCPCS
A4725	Dialysate solution, any concentration of dextrose, fluid volume greater than 4999cc but less than or equal to 5999cc, for peritoneal dialysis	Procedure	HCPCS
A4726	Dialysate solution, any concentration of dextrose, fluid volume greater than 5999cc, for peritoneal dialysis	Procedure	HCPCS
A4728	Dialysate solution, non-dextrose containing, 500 ml	Procedure	HCPCS
A4730	Fistula cannulation set for dialysis only	Procedure	HCPCS
A4735	Local/topical anesthetics for dialysis only	Procedure	HCPCS
A4736	Topical anesthetic, for dialysis, per gram	Procedure	HCPCS
A4737	Injectable anesthetic, for dialysis, per 10 ml	Procedure	HCPCS
A4740	Shunt accessories for dialysis only	Procedure	HCPCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
A4750	Blood tubing, arterial or venous, each	Procedure	HCPCS
A4755	Blood tubing, arterial and venous combined	Procedure	HCPCS
A4760	Dialysate standard testing solution, supplies	Procedure	HCPCS
A4765	Dialysate concentrate additives, each	Procedure	HCPCS
A4766	Dialysate concentrate, solution, additive for peritoneal dialysis, per 10 ml	Procedure	HCPCS
A4802	Protamine sulfate, for hemodialysis, per 50 mg	Procedure	HCPCS
A4820	Hemodialysis kit supplies	Procedure	HCPCS
A4850	Hemostats with rubber tips for dialysis	Procedure	HCPCS
A4860	Disposable catheter caps	Procedure	HCPCS
A4870	Plumbing and/or electrical work for home dialysis equipment	Procedure	HCPCS
A4880	Storage tanks utilized in connection with water purification system, replacement tanks for	Procedure	HCPCS
A4890	Contracts, repair and maintenance, for home dialysis equipment (non-covered)	Procedure	HCPCS
A4900	Continuous ambulatory peritoneal dialysis (capd) supply kit	Procedure	HCPCS
A4901	Continuous cycling peritoneal dialysis (ccpd) supply kit	Procedure	HCPCS
A4905	Intermittent peritoneal dialysis (ipd) supply kit	Procedure	HCPCS
A4910	Non-medical supplies for dialysis, (i.e., scale, scissors, stopwatch, etc.)	Procedure	HCPCS
A4911	Drain bag/bottle, for dialysis, each	Procedure	HCPCS
A4912	Gomco drain bottle	Procedure	HCPCS
A4913	Miscellaneous dialysis supplies, not identified elsewhere, by report	Procedure	HCPCS
A4914	Preparation kits	Procedure	HCPCS
A4918	Venous pressure clamps, each	Procedure	HCPCS
E1500	Centrifuge, for dialysis	Procedure	HCPCS
E1510	Kidney, dialysate delivery syst. kidney machine, pump recirculating, air removal syst,	Procedure	HCPCS
E1520	Heparin infusion pump for dialysis	Procedure	HCPCS
E1530	Air bubble detector for dialysis	Procedure	HCPCS
E1540	Pressure alarm for dialysis	Procedure	HCPCS
E1550	Bath conductivity meter for dialysis	Procedure	HCPCS
E1560	Blood leak detector for dialysis	Procedure	HCPCS
E1570	Adjustable chair, for esrd patients	Procedure	HCPCS
E1575	Transducer protectors/fluid barriers, any size, each	Procedure	HCPCS
E1580	Unipuncture control system for dialysis	Procedure	HCPCS
E1590	Hemodialysis machine	Procedure	HCPCS
E1592	Automatic intermittent peritoneal dialysis system	Procedure	HCPCS
E1594	Cycler dialysis machine for peritoneal dialysis	Procedure	HCPCS
E1600	Delivery and/or installation charges for renal dialysis equipment	Procedure	HCPCS
E1610	Reverse osmosis water purification system	Procedure	HCPCS
E1615	Deionizer water purification system	Procedure	HCPCS
E1620	Blood pump for dialysis	Procedure	HCPCS
E1625	Water softening system	Procedure	HCPCS
E1630	Reciprocating peritoneal dialysis system	Procedure	HCPCS
E1632	Wearable artificial kidney	Procedure	HCPCS
E1634	Peritoneal dialysis clamps, each	Procedure	HCPCS
E1635	Compact (portable) travel hemodialyzer system	Procedure	HCPCS
E1636	Sorbent cartridges, per case	Procedure	HCPCS
S2053	Transplantation of small intestine and liver allografts	Procedure	HCPCS
S2054	Transplantation of multivisceral organs	Procedure	HCPCS
S2060	Lobar lung transplantation	Procedure	HCPCS
S2065	Simultaneous pancreas kidney transplantation	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
S2142	Cord blood-derived stem-cell transplantation, allogeneic	Procedure	HCPCS
S2150	Bone marrow or blood-derived stem cells (peripheral or umbilical), allogeneic or autologous, harvesting, transplantation, and related complications; including: pheresis and cell preparation/storage; marrow ablative therapy; drugs, supplies, hospitalization with outpatient follow-up; medical/surgical, diagnostic, emergency, and rehabilitative services; and the number of days of pre and post transplant care in the global definition	Procedure	HCPCS
S2152	Solid organ(s), complete or segmental, single organ or combination of organs; deceased or living donor (s), procurement, transplantation, and related complications; including: drugs; supplies; hospitalization with outpatient follow-up; medical/surgical, diagnostic, emergency, and rehabilitative services, and the number of days of pre and posttransplant care in the	Procedure	HCPCS
30240Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Vein, Open Approach	Procedure	ICD-10-PCS
02Y	Heart and Great Vessels, Transplantation	Procedure	ICD-10-PCS
02YA	Transplantation / Heart	Procedure	ICD-10-PCS
02YA0Z0	Transplantation of Heart, Allogeneic, Open Approach	Procedure	ICD-10-PCS
02YA0Z1	Transplantation of Heart, Syngeneic, Open Approach	Procedure	ICD-10-PCS
02YA0Z2	Transplantation of Heart, Zooplastic, Open Approach	Procedure	ICD-10-PCS
07Y	Lymphatic and Hemic Systems, Transplantation	Procedure	ICD-10-PCS
07YP	Transplantation / Spleen	Procedure	ICD-10-PCS
07YP0Z0	Transplantation of Spleen, Allogeneic, Open Approach	Procedure	ICD-10-PCS
07YP0Z1	Transplantation of Spleen, Syngeneic, Open Approach	Procedure	ICD-10-PCS
07YP0Z2	Transplantation of Spleen, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BY	Respiratory System, Transplantation	Procedure	ICD-10-PCS
0BYC	Transplantation / Upper Lung Lobe, Right	Procedure	ICD-10-PCS
0BYC0Z0	Transplantation of Right Upper Lung Lobe, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYC0Z1	Transplantation of Right Upper Lung Lobe, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYC0Z2	Transplantation of Right Upper Lung Lobe, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYD	Transplantation / Middle Lung Lobe, Right	Procedure	ICD-10-PCS
0BYD0Z0	Transplantation of Right Middle Lung Lobe, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYD0Z1	Transplantation of Right Middle Lung Lobe, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYD0Z2	Transplantation of Right Middle Lung Lobe, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYF	Transplantation / Lower Lung Lobe, Right	Procedure	ICD-10-PCS
0BYF0Z0	Transplantation of Right Lower Lung Lobe, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYF0Z1	Transplantation of Right Lower Lung Lobe, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYF0Z2	Transplantation of Right Lower Lung Lobe, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYG	Transplantation / Upper Lung Lobe, Left	Procedure	ICD-10-PCS
0BYG0Z0	Transplantation of Left Upper Lung Lobe, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYG0Z1	Transplantation of Left Upper Lung Lobe, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYG0Z2	Transplantation of Left Upper Lung Lobe, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYH	Transplantation / Lung Lingula	Procedure	ICD-10-PCS
0BYH0Z0	Transplantation of Lung Lingula, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYH0Z1	Transplantation of Lung Lingula, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYH0Z2	Transplantation of Lung Lingula, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYJ	Transplantation / Lower Lung Lobe, Left	Procedure	ICD-10-PCS
0BYJ0Z0	Transplantation of Left Lower Lung Lobe, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYJ0Z1	Transplantation of Left Lower Lung Lobe, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYJ0Z2	Transplantation of Left Lower Lung Lobe, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYK	Transplantation / Lung, Right	Procedure	ICD-10-PCS
0BYK0Z0	Transplantation of Right Lung, Allogeneic, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0BYK0Z1	Transplantation of Right Lung, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYK0Z2	Transplantation of Right Lung, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYL	Transplantation / Lung, Left	Procedure	ICD-10-PCS
0BYL0Z0	Transplantation of Left Lung, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYL0Z1	Transplantation of Left Lung, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYL0Z2	Transplantation of Left Lung, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0BYM	Transplantation / Lungs, Bilateral	Procedure	ICD-10-PCS
0BYM0Z0	Transplantation of Bilateral Lungs, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0BYM0Z1	Transplantation of Bilateral Lungs, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0BYM0Z2	Transplantation of Bilateral Lungs, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0DY	Gastrointestinal System, Transplantation	Procedure	ICD-10-PCS
0DY5	Transplantation / Esophagus	Procedure	ICD-10-PCS
0DY50Z0	Transplantation of Esophagus, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0DY50Z1	Transplantation of Esophagus, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0DY50Z2	Transplantation of Esophagus, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0DY6	Transplantation / Stomach	Procedure	ICD-10-PCS
0DY60Z0	Transplantation of Stomach, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0DY60Z1	Transplantation of Stomach, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0DY60Z2	Transplantation of Stomach, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0DY8	Transplantation / Small Intestine	Procedure	ICD-10-PCS
0DY80Z0	Transplantation of Small Intestine, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0DY80Z1	Transplantation of Small Intestine, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0DY80Z2	Transplantation of Small Intestine, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0DYE	Transplantation / Large Intestine	Procedure	ICD-10-PCS
0DYE0Z0	Transplantation of Large Intestine, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0DYE0Z1	Transplantation of Large Intestine, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0DYE0Z2	Transplantation of Large Intestine, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0FY	Hepatobiliary System and Pancreas, Transplantation	Procedure	ICD-10-PCS
0FY0	Transplantation / Liver	Procedure	ICD-10-PCS
0FY00Z0	Transplantation of Liver, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0FY00Z1	Transplantation of Liver, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0FY00Z2	Transplantation of Liver, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0FYG	Transplantation / Pancreas	Procedure	ICD-10-PCS
0FYG0Z0	Transplantation of Pancreas, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0FYG0Z1	Transplantation of Pancreas, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0FYG0Z2	Transplantation of Pancreas, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0TY	Urinary System, Transplantation	Procedure	ICD-10-PCS
0TY0	Transplantation / Kidney, Right	Procedure	ICD-10-PCS
0TY00Z0	Transplantation of Right Kidney, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0TY00Z1	Transplantation of Right Kidney, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0TY00Z2	Transplantation of Right Kidney, Zooplastic, Open Approach	Procedure	ICD-10-PCS
0TY1	Transplantation / Kidney, Left	Procedure	ICD-10-PCS
0TY10Z0	Transplantation of Left Kidney, Allogeneic, Open Approach	Procedure	ICD-10-PCS
0TY10Z1	Transplantation of Left Kidney, Syngeneic, Open Approach	Procedure	ICD-10-PCS
0TY10Z2	Transplantation of Left Kidney, Zooplastic, Open Approach	Procedure	ICD-10-PCS
BT29	Computerized Tomography (CT Scan) / Kidney Transplant	Procedure	ICD-10-PCS
BT2900Z	Computerized Tomography (CT Scan) of Kidney Transplant using High Osmolar Contrast, Unenhanced and Enhanced	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
BT290ZZ	Computerized Tomography (CT Scan) of Kidney Transplant using High Osmolar Contrast	Procedure	ICD-10-PCS
BT2910Z	Computerized Tomography (CT Scan) of Kidney Transplant using Low Osmolar Contrast, Unenhanced and Enhanced	Procedure	ICD-10-PCS
BT291ZZ	Computerized Tomography (CT Scan) of Kidney Transplant using Low Osmolar Contrast	Procedure	ICD-10-PCS
BT29Y0Z	Computerized Tomography (CT Scan) of Kidney Transplant using Other Contrast, Unenhanced and Enhanced	Procedure	ICD-10-PCS
BT29YZZ	Computerized Tomography (CT Scan) of Kidney Transplant using Other Contrast	Procedure	ICD-10-PCS
BT29ZZZ	Computerized Tomography (CT Scan) of Kidney Transplant	Procedure	ICD-10-PCS
BT39	Magnetic Resonance Imaging (MRI) / Kidney Transplant	Procedure	ICD-10-PCS
BT39Y0Z	Magnetic Resonance Imaging (MRI) of Kidney Transplant using Other Contrast, Unenhanced and Enhanced	Procedure	ICD-10-PCS
BT39YZZ	Magnetic Resonance Imaging (MRI) of Kidney Transplant using Other Contrast	Procedure	ICD-10-PCS
BT39ZZZ	Magnetic Resonance Imaging (MRI) of Kidney Transplant	Procedure	ICD-10-PCS
BT49	Ultrasonography / Kidney Transplant	Procedure	ICD-10-PCS
BT49ZZZ	Ultrasonography of Kidney Transplant	Procedure	ICD-10-PCS
30230AZ	Transfusion of Embryonic Stem Cells into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
30230G1	Transfusion of Nonautologous Bone Marrow into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
30230G2	Transfusion of allogeneic related bone marrow into peripheral vein, open approach	Procedure	ICD-10-PCS
30230G3	Transfusion of allogeneic unrelated bone marrow into peripheral vein, open approach	Procedure	ICD-10-PCS
30230G4	Transfusion of allogeneic unspecified bone marrow into peripheral vein, open approach	Procedure	ICD-10-PCS
30230X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
30230X2	Transfusion of allogeneic related cord blood stem cells into peripheral vein, open approach	Procedure	ICD-10-PCS
30230X3	Transfusion of allogeneic unrelated cord blood stem cells into peripheral vein, open	Procedure	ICD-10-PCS
30230X4	Transfusion of allogeneic unspecified cord blood stem cells into peripheral vein, open	Procedure	ICD-10-PCS
30230Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Vein, Open	Procedure	ICD-10-PCS
30230Y2	Transfusion of allogeneic related hematopoietic stem cells into peripheral vein, open	Procedure	ICD-10-PCS
30230Y3	Transfusion of allogeneic unrelated hematopoietic stem cells into peripheral vein, open	Procedure	ICD-10-PCS
30230Y4	Transfusion of allogeneic unspecified hematopoietic stem cells into peripheral vein, open	Procedure	ICD-10-PCS
30233AZ	Transfusion of Embryonic Stem Cells into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
30233G1	Transfusion of Nonautologous Bone Marrow into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
30233G2	Transfusion of allogeneic related bone marrow into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30233G3	Transfusion of allogeneic unrelated bone marrow into peripheral vein, percutaneous	Procedure	ICD-10-PCS
30233G4	Transfusion of allogeneic unspecified bone marrow into peripheral vein, percutaneous	Procedure	ICD-10-PCS
30233X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Vein, Percutaneous	Procedure	ICD-10-PCS
30233X2	Transfusion of allogeneic related cord blood stem cells into peripheral vein, percutaneous	Procedure	ICD-10-PCS
30233X3	Transfusion of allogeneic unrelated cord blood stem cells into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30233X4	Transfusion of allogeneic unspecified cord blood stem cells into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30233Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
30233Y2	Transfusion of allogeneic related hematopoietic stem cells into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30233Y3	Transfusion of allogeneic unrelated hematopoietic stem cells into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30233Y4	Transfusion of allogeneic unspecified hematopoietic stem cells into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
30240AZ	Transfusion of Embryonic Stem Cells into Central Vein, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
30240G1	Transfusion of Nonautologous Bone Marrow into Central Vein, Open Approach	Procedure	ICD-10-PCS
30240G2	Transfusion of allogeneic related bone marrow into central vein, open approach	Procedure	ICD-10-PCS
30240G3	Transfusion of allogeneic unrelated bone marrow into central vein, open approach	Procedure	ICD-10-PCS
30240G4	Transfusion of allogeneic unspecified bone marrow into central vein, open approach	Procedure	ICD-10-PCS
30240X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Vein, Open Approach	Procedure	ICD-10-PCS
30240X2	Transfusion of allogeneic related cord blood stem cells into central vein, open approach	Procedure	ICD-10-PCS
30240X3	Transfusion of allogeneic unrelated cord blood stem cells into central vein, open approach	Procedure	ICD-10-PCS
30240X4	Transfusion of allogeneic unspecified cord blood stem cells into central vein, open approach	Procedure	ICD-10-PCS
30240Y0	Transfusion of Autologous Hematopoietic Stem Cells into Central Vein, Open Approach	Procedure	ICD-10-PCS
30240Y2	Transfusion of allogeneic related hematopoietic stem cells into central vein, open approach	Procedure	ICD-10-PCS
30240Y3	Transfusion of allogeneic unrelated hematopoietic stem cells into central vein, open	Procedure	ICD-10-PCS
30240Y4	Transfusion of allogeneic unspecified hematopoietic stem cells into central vein, open	Procedure	ICD-10-PCS
30243AZ	Transfusion of Embryonic Stem Cells into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
30243G1	Transfusion of Nonautologous Bone Marrow into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
30243G2	Transfusion of allogeneic related bone marrow into central vein, percutaneous approach	Procedure	ICD-10-PCS
30243G3	Transfusion of allogeneic unrelated bone marrow into central vein, percutaneous approach	Procedure	ICD-10-PCS
30243G4	Transfusion of allogeneic unspecified bone marrow into central vein, percutaneous	Procedure	ICD-10-PCS
30243X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Vein, Percutaneous	Procedure	ICD-10-PCS
30243X2	Transfusion of allogeneic related cord blood stem cells into central vein, percutaneous	Procedure	ICD-10-PCS
30243X3	Transfusion of allogeneic unrelated cord blood stem cells into central vein, percutaneous	Procedure	ICD-10-PCS
30243X4	Transfusion of allogeneic unspecified cord blood stem cells into central vein, percutaneous	Procedure	ICD-10-PCS
30243Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Vein, Percutaneous	Procedure	ICD-10-PCS
30243Y2	Transfusion of allogeneic related hematopoietic stem cells into central vein, percutaneous	Procedure	ICD-10-PCS
30243Y3	Transfusion of allogeneic unrelated hematopoietic stem cells into central vein, percutaneous approach	Procedure	ICD-10-PCS
30243Y4	Transfusion of allogeneic unspecified hematopoietic stem cells into central vein, percutaneous approach	Procedure	ICD-10-PCS
30250G1	Transfusion of Nonautologous Bone Marrow into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
30250X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
30250Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Artery, Open	Procedure	ICD-10-PCS
30253G1	Transfusion of Nonautologous Bone Marrow into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
30253X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Artery, Percutaneous	Procedure	ICD-10-PCS
30253Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
30260G1	Transfusion of Nonautologous Bone Marrow into Central Artery, Open Approach	Procedure	ICD-10-PCS
30260X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Artery, Open Approach	Procedure	ICD-10-PCS
30260Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Artery, Open	Procedure	ICD-10-PCS
30263G1	Transfusion of Nonautologous Bone Marrow into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
30263X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Artery, Percutaneous	Procedure	ICD-10-PCS
30263Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Artery, Percutaneous	Procedure	ICD-10-PCS
5A1D00Z	Performance of Urinary Filtration, Single	Procedure	ICD-10-PCS
5A1D06Z	Performance of Urinary Filtration, Multiple	Procedure	ICD-10-PCS
5A1D70Z	Performance of Urinary Filtration, Intermittent, Less than 6 Hours Per Day	Procedure	ICD-10-PCS
5A1D80Z	Performance of Urinary Filtration, Prolonged Intermittent, 6-18 hours Per Day	Procedure	ICD-10-PCS
5A1D90Z	Performance of Urinary Filtration, Continuous, Greater than 18 hours Per Day	Procedure	ICD-10-PCS
3E1M39Z	Irrigation of Peritoneal Cavity using Dialysate, Percutaneous Approach	Procedure	ICD-10-PCS
5A1D00Z	Performance of Urinary Filtration, Single	Procedure	ICD-10-PCS
5A1D06Z	Performance of Urinary Filtration, Multiple	Procedure	ICD-10-PCS



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
5A1D70Z	Performance of Urinary Filtration, Intermittent, Less than 6 Hours Per Day	Procedure	ICD-10-PCS
5A1D80Z	Performance of Urinary Filtration, Prolonged Intermittent, 6-18 hours Per Day	Procedure	ICD-10-PCS
5A1D90Z	Performance of Urinary Filtration, Continuous, Greater than 18 hours Per Day	Procedure	ICD-10-PCS
3E1M39Z	Irrigation of Peritoneal Cavity using Dialysate, Percutaneous Approach	Procedure	ICD-10-PCS
<b>Immunosuppressants</b>			
19294	Preparation of tumor cavity and placement of radiation therapy applicator into breast for radiation therapy concurrent with partial breast removal	Procedure	CPT-4
19296	Insertion of catheter into breast for radiation therapy using imaging guidance	Procedure	CPT-4
19297	Insertion of catheter into breast for radiation therapy concurrent with partial breast removal using imaging guidance	Procedure	CPT-4
19298	Insertion of catheters into breast for radiation therapy with or after breast removal using imaging guidance	Procedure	CPT-4
20555	Insertion of needles or catheters into muscle and/or tissue for radiation therapy	Procedure	CPT-4
31643	Insertion of catheters for radiation delivery in lung airway using an endoscope	Procedure	CPT-4
32701	Thoracic targets delineation for stereotactic body radiation therapy	Procedure	CPT-4
41019	Insertion of needles, catheters, or devices into head and/or neck for radiation delivery	Procedure	CPT-4
49411	Insertion of devices in abdominal cavity for radiation therapy guidance, accessed through the skin	Procedure	CPT-4
49412	Insertion of devices for radiation therapy guidance in abdominal cavity, open procedure	Procedure	CPT-4
55859	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy	Procedure	CPT-4
55860	Exposure of prostate, any approach, for insertion of radioactive substance;	Procedure	CPT-4
55862	Exposure of prostate, any approach, for insertion of radioactive substance; with lymph node biopsy(s) (limited pelvic lymphadenectomy)	Procedure	CPT-4
55865	Exposure of prostate, any approach, for insertion of radioactive substance; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes	Procedure	CPT-4
55875	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy	Procedure	CPT-4
55920	Placement of needles or catheters into pelvic organs and/or genitalia (except prostate) for subsequent interstitial radioelement application	Procedure	CPT-4
57155	Insertion of radiation therapy devices in uterus for radiation therapy	Procedure	CPT-4
57156	Insertion of radiation therapy devices in vagina for radiation therapy	Procedure	CPT-4
58346	Insertion of capsules into uterus for placement of radiation therapy	Procedure	CPT-4
77371	Radiation therapy delivery, stereotactic radiosurgery (SRS) for cranial growths, per session	Procedure	CPT-4
77372	Radiation therapy delivery, stereotactic radiosurgery (SRS) for cranial growths, per session	Procedure	CPT-4
77373	Stereotactic body radiation therapy 1 or more lesions using imaging guidance	Procedure	CPT-4
77373	Stereotactic body radiation therapy 1 or more lesions using imaging guidance	Procedure	CPT-4
77385	Radiation therapy delivery	Procedure	CPT-4
77386	Radiation therapy delivery	Procedure	CPT-4
77401	Radiation treatment delivery, superficial and/or ortho voltage, per day	Procedure	CPT-4
77402	Radiation treatment delivery, =>1 MeV; simple	Procedure	CPT-4
77403	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 6-10 MeV	Procedure	CPT-4
77404	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 11-19 MeV	Procedure	CPT-4
77406	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 20 MeV or greater	Procedure	CPT-4
77407	Radiation treatment delivery, =>1 MeV; intermediate	Procedure	CPT-4

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
77408	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 6-10 MeV	Procedure	CPT-4
77409	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 11-19 MeV	Procedure	CPT-4
77411	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 20 MeV or greater	Procedure	CPT-4
77412	Radiation treatment delivery, =>1 MeV; complex	Procedure	CPT-4
77413	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 6-10 MeV	Procedure	CPT-4
77414	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 11-19 MeV	Procedure	CPT-4
77416	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 20 MeV or greater	Procedure	CPT-4
77422	Radiation treatment delivery, high energy, single treatment area	Procedure	CPT-4
77423	Radiation treatment delivery, high energy	Procedure	CPT-4
77424	Intraoperative single X-ray radiation treatment session	Procedure	CPT-4
77425	Intraoperative electrons radiation treatment single session	Procedure	CPT-4
77427	Radiation treatment management, 5 treatments	Procedure	CPT-4
77431	Radiation treatment management, 1 or 2 treatments	Procedure	CPT-4
77432	Stereotactic radiation treatment management of cranial lesion(s) (complete course of treatment consisting of 1 session)	Procedure	CPT-4
77435	Stereotactic radiation treatment management of 1 or more lesions using imaging guidance, per treatment course	Procedure	CPT-4
77469	Intraoperative radiation treatment management	Procedure	CPT-4
77470	Special treatment procedure (eg, total body irradiation, hemibody radiation, per oral or endocavitary irradiation)	Procedure	CPT-4
77499	Unlisted procedure, therapeutic radiology treatment management	Procedure	CPT-4
77520	Proton treatment delivery, simple	Procedure	CPT-4
77522	Proton treatment delivery, simple with compensation	Procedure	CPT-4
77523	Proton treatment delivery, intermediate	Procedure	CPT-4
77525	Proton treatment delivery, complex	Procedure	CPT-4
77750	Infusion or instillation of radioelement solution (includes 3-month follow-up care)	Procedure	CPT-4
77761	Intracavitary radiation source application; simple	Procedure	CPT-4
77762	Intracavitary radiation source application; intermediate	Procedure	CPT-4
77763	Intracavitary radiation source application; complex	Procedure	CPT-4
77767	High dose brachytherapy through skin surface, 1 channel or up to 2.0 cm	Procedure	CPT-4
77768	High dose brachytherapy through skin surface, 2 channels or more than 2.0 cm	Procedure	CPT-4
77770	High dose brachytherapy , 1 channel	Procedure	CPT-4
77771	High dose brachytherapy , 2- 12 channels	Procedure	CPT-4
77772	High dose brachytherapy , more than 12 channels	Procedure	CPT-4
77776	Interstitial radiation source application; simple	Procedure	CPT-4
77777	Interstitial radiation source application; intermediate	Procedure	CPT-4
77778	Interstitial radiation source application; complex	Procedure	CPT-4
77781	Remote afterloading high intensity brachytherapy; 1-4 source positions or catheters	Procedure	CPT-4
77782	Remote afterloading high intensity brachytherapy; 5-8 source positions or catheters	Procedure	CPT-4
77783	Remote afterloading high intensity brachytherapy; 9-12 source positions or catheters	Procedure	CPT-4
77784	Remote afterloading high intensity brachytherapy; over 12 source positions or catheters	Procedure	CPT-4

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
77785	Remote afterloading high dose rate radionuclide brachytherapy; 1 channel	Procedure	CPT-4
77786	Remote afterloading high dose rate radionuclide brachytherapy; 2-12 channels	Procedure	CPT-4
77787	Remote afterloading high dose rate radionuclide brachytherapy; over 12 channels	Procedure	CPT-4
77789	Surface application of low dose rate radionuclide source	Procedure	CPT-4
77799	Unlisted procedure, clinical brachytherapy	Procedure	CPT-4
90378	Palivizumab	Procedure	CPT-4
96401	Chemotherapy administration, subcutaneous or intramuscular; non-hormonal anti-neoplastic	Procedure	CPT-4
96402	Chemotherapy administration, subcutaneous or intramuscular; hormonal anti-neoplastic	Procedure	CPT-4
96409	Chemotherapy administration; intravenous, push technique, single or initial substance/drug	Procedure	CPT-4
96411	Chemotherapy administration; intravenous, push technique, each additional substance/drug	Procedure	CPT-4
96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	Procedure	CPT-4
96415	Chemotherapy administration, intravenous infusion technique; each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96416	Chemotherapy administration, intravenous infusion technique; initiation of prolonged chemotherapy infusion (more than 8 hours), requiring use of a portable or implantable pump	Procedure	CPT-4
96417	Chemotherapy administration, intravenous infusion technique; each additional sequential infusion (different substance/drug), up to 1 hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96420	Chemotherapy administration, intra-arterial; push technique	Procedure	CPT-4
96422	Chemotherapy administration, intra-arterial; infusion technique, up to 1 hour	Procedure	CPT-4
96423	Chemotherapy administration, intra-arterial; infusion technique, each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96425	Chemotherapy administration, intra-arterial; infusion technique, initiation of prolonged infusion (more than 8 hours), requiring the use of a portable or implantable pump	Procedure	CPT-4
96440	Chemotherapy administration into pleural cavity, requiring and including thoracentesis	Procedure	CPT-4
96446	Chemotherapy administration into the peritoneal cavity via indwelling port or catheter	Procedure	CPT-4
96450	Chemotherapy administration, into CNS (eg, intrathecal), requiring and including spinal puncture	Procedure	CPT-4
96542	Chemotherapy injection, subarachnoid or intraventricular via subcutaneous reservoir, single or multiple agents	Procedure	CPT-4
96549	Unlisted chemotherapy procedure	Procedure	CPT-4
0182T	High dose rate electronic brachytherapy	Procedure	C3
0190T	Insertion of radiation source applicator into eye	Procedure	C3
0394T	High dose rate electronic brachytherapy	Procedure	C3
0395T	High dose rate electronic brachytherapy	Procedure	C3
4153F	Combination peginterferon and ribavirin therapy prescribed (HEP-C)	Procedure	C2
A9545	Iodine I-131 tositumomab, therapeutic, per treatment dose	Procedure	HCPCS
C1084	Denileukin diftitox, 300 mcg, ontak iv	Procedure	HCPCS
C1086	Temozolomide, 5 mg, temodar	Procedure	HCPCS
C1166	Injection, cytarabine liposome, per 10 mg	Procedure	HCPCS
C1167	Injection, epirubicin HCl, 2 mg	Procedure	HCPCS
C1178	Injection, busulfan, per 6 mg	Procedure	HCPCS
C1716	Brachytherapy source, non-stranded, gold-198, per source	Procedure	HCPCS
C1717	Brachytherapy source, non-stranded, high dose rate iridium-192, per source	Procedure	HCPCS
C1719	Brachytherapy source, non-stranded, non-high dose rate iridium-192, per source	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C2616	Brachytherapy source, non-stranded, yttrium-90, per source	Procedure	HCPCS
C2634	Brachytherapy source, non-stranded, high activity, iodine-125, greater than 1.01 mci (nist), per source	Procedure	HCPCS
C2635	Brachytherapy source, non-stranded, high activity, palladium-103, greater than 2.2 mci (nist), per source	Procedure	HCPCS
C2636	Brachytherapy linear source, non-stranded, palladium-103, per 1 mm	Procedure	HCPCS
C2637	Brachytherapy source, non-stranded, ytterbium-169, per source	Procedure	HCPCS
C2638	Brachytherapy source, stranded, iodine-125, per source	Procedure	HCPCS
C2639	Brachytherapy source, non-stranded, iodine-125, per source	Procedure	HCPCS
C2640	Brachytherapy source, stranded, palladium-103, per source	Procedure	HCPCS
C2641	Brachytherapy source, non-stranded, palladium-103, per source	Procedure	HCPCS
C2642	Brachytherapy source, stranded, cesium-131, per source	Procedure	HCPCS
C2643	Brachytherapy source, non-stranded, cesium-131, per source	Procedure	HCPCS
C2644	Brachytherapy source, cesium-131 chloride solution, per millicurie	Procedure	HCPCS
C2698	Brachytherapy source, stranded, not otherwise specified, per source	Procedure	HCPCS
C2699	Brachytherapy source, non-stranded, not otherwise specified, per source	Procedure	HCPCS
C9004	Injection, gemtuzumab ozogamicin, per 5 mg	Procedure	HCPCS
C9006	Injection, tacrolimus, per 5 mg (1 amp)	Procedure	HCPCS
C9012	Injection, arsenic trioxide, per 1 mg/kg	Procedure	HCPCS
C9017	Lomustine, 10 mg	Procedure	HCPCS
C9020	Sirolimus tablet, 1 mg	Procedure	HCPCS
C9021	Injection, obinutuzumab, 10 mg	Procedure	HCPCS
C9024	Injection, liposomal, 1 mg daunorubicin and 2.27 mg cytarabine	Procedure	HCPCS
C9029	guselkumab	Procedure	HCPCS
C9042	ravulizumab	Procedure	HCPCS
C9042	Injection, bendamustine hcl (belrapzo), 1 mg	Procedure	HCPCS
C9044	Injection, bendamustine hcl (belrapzo), 1 mg	Procedure	HCPCS
C9045	Mogamulizumab	Procedure	HCPCS
C9045	Injection, moxetumomab pasudotox-tdfk, 0.01 mg	Procedure	HCPCS
C9049	Injection, tagraxofusp-erzs, 10 mcg	Procedure	HCPCS
C9050	Injection, emapalumab-lzsg, 1 mg	Procedure	HCPCS
C9106	Sirolimus, per 1 mg/ml	Procedure	HCPCS
C9110	Injection, alemtuzumab, per 10 mg/ ml	Procedure	HCPCS
C9126	Injection natalizumab per 5 mg	Procedure	HCPCS
C9127	Injection, paclitaxel protein-bound particles, per 1 mg	Procedure	HCPCS
C9129	Injection, clofarabine, per 1 mg	Procedure	HCPCS
C9205	Injection, oxaliplatin, per 5 mg	Procedure	HCPCS
C9207	Injection, bortezomib, per 3.5 mg	Procedure	HCPCS
C9211	Injection, alefacept, for intravenous use, per 7.5 mg	Procedure	HCPCS
C9212	Injection, alefacept, for intramuscular use, per 7.5 mg	Procedure	HCPCS
C9213	Injection, pemetrexed, per 10 mg	Procedure	HCPCS
C9214	Injection, bevacizumab, per 10 mg	Procedure	HCPCS
C9215	Injection, cetuximab, per 10 mg	Procedure	HCPCS
C9218	Injection, azacitidine, per 1 mg	Procedure	HCPCS
C9230	Injection, abatacept, per 10 mg	Procedure	HCPCS
C9231	Injection, decitabine, per 1 mg	Procedure	HCPCS
C9235	Injection, panitumumab, 10 mg	Procedure	HCPCS
C9236	Injection, eculizumab, 10 mg	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
C9239	Injection, temsirolimus, 1 mg	Procedure	HCPCS
C9240	Injection, ixabepilone, 1 mg	Procedure	HCPCS
C9243	Injection, bendamustine hcl, 1 mg	Procedure	HCPCS
C9249	Injection, certolizumab pegol, 1 mg	Procedure	HCPCS
C9253	Injection, temozolomide, 1mg	Procedure	HCPCS
C9259	Injection, pralatrexate, 1 mg	Procedure	HCPCS
C9260	Injection, ofatumumab, 10 mg	Procedure	HCPCS
C9261	Injection, ustekinumab, 1 mg	Procedure	HCPCS
C9262	Fludarabine phosphate, oral, 1 mg	Procedure	HCPCS
C9264	Injection, tocilizumab, 1 mg	Procedure	HCPCS
C9265	Injection, romidepsin, 1 mg	Procedure	HCPCS
C9273	Sipuleucel-T, minimum of 50 million autologous CD54+ cells activated with PAP-GM-CSF, including leukapheresis and all other preparatory procedures, per infusion	Procedure	HCPCS
C9276	Injection, cabazitaxel, 1 mg	Procedure	HCPCS
C9280	Injection, eribulin mesylate, 1 mg	Procedure	HCPCS
C9284	Injection, ipilimumab, 1 mg	Procedure	HCPCS
C9286	Injection, belatacept, 1 mg	Procedure	HCPCS
C9287	Injection, brentuximab vedotin, 1 mg	Procedure	HCPCS
C9289	Injection, asparaginase Erwinia chrysanthemi, 1,000 IU	Procedure	HCPCS
C9292	Injection, pertuzumab, 10 mg	Procedure	HCPCS
C9295	Injection, carfilzomib, 1 mg	Procedure	HCPCS
C9297	Injection, omacetaxine mepesuccinate, 0.01 mg	Procedure	HCPCS
C9414	Etoposide; oral, 50 mg, brand name	Procedure	HCPCS
C9415	Doxorubicin HCl, 10 mg, brand name	Procedure	HCPCS
C9417	Bleomycin sulfate, 15 units, brand name	Procedure	HCPCS
C9418	Cisplatin, powder or solution, per 10 mg, brand name	Procedure	HCPCS
C9419	Injection, cladribine, per 1 mg, brand name	Procedure	HCPCS
C9420	Cyclophosphamide, 100 mg, brand name	Procedure	HCPCS
C9421	Cyclophosphamide, lyophilized, 100 mg, brand name	Procedure	HCPCS
C9422	Cytarabine, 100 mg, brand name	Procedure	HCPCS
C9423	Dacarbazine, 100 mg, brand name	Procedure	HCPCS
C9424	Daunorubicin, 10 mg	Procedure	HCPCS
C9425	Etoposide, 10 mg, brand name	Procedure	HCPCS
C9426	Floxuridine, 500 mg, brand name	Procedure	HCPCS
C9427	Ifosfamide, 1 gm, brand name	Procedure	HCPCS
C9429	Idarubicin HCl, 5 mg, brand name	Procedure	HCPCS
C9431	Paclitaxel, 30 mg, brand name	Procedure	HCPCS
C9432	Mitomycin, 5 mg, brand name	Procedure	HCPCS
C9433	Thiotepa, 15 mg, brand name	Procedure	HCPCS
C9436	Azathioprine, parenteral, brand name, per 100 mg	Procedure	HCPCS
C9437	Carmustine, brand name, 100 mg	Procedure	HCPCS
C9438	Cyclosporine, oral, 100 mg, brand name	Procedure	HCPCS
C9440	Vinorelbine tartrate, brand name, per 10 mg	Procedure	HCPCS
C9474	Injection, irinotecan liposome, 1 mg	Procedure	HCPCS
C9487	Ustekinumab, for intravenous injection, 1 mg	Procedure	HCPCS
G0458	Low dose rate (ldr) prostate brachytherapy services, composite rate	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G0498	Chemotherapy administration, intravenous infusion technique; initiation of infusion in the office/clinic setting using office/clinic pump/supplies, with continuation of the infusion in the community setting (e.g., home, domiciliary, rest home or assisted living) using a portable pump provided by the office/clinic, includes follow up office/clinic visit at the conclusion of the infusion	Procedure	HCPCS
G3001	Administration and supply of tositumomab, 450 mg	Procedure	HCPCS
G6002	Stereoscopic x-ray guidance for localization of target volume for the delivery of radiation therapy	Procedure	HCPCS
G6003	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: up to 5 mev	Procedure	HCPCS
G6004	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 6-10 mev	Procedure	HCPCS
G6005	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 11-19 mev	Procedure	HCPCS
G6006	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 20 mev or greater	Procedure	HCPCS
G6007	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks: up to 5 mev	Procedure	HCPCS
G6008	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks: 6-10 mev	Procedure	HCPCS
G6009	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks: 11-19 mev	Procedure	HCPCS
G6010	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks: 20 mev or greater	Procedure	HCPCS
G6011	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; up to 5 mev	Procedure	HCPCS
G6012	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 6-10 mev	Procedure	HCPCS
G6013	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 11-19 mev	Procedure	HCPCS
G6014	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 20 mev or greater	Procedure	HCPCS
G6015	Intensity modulated treatment delivery, single or multiple fields/arcs, via narrow spatially and temporally modulated beams, binary, dynamic mlc, per treatment session	Procedure	HCPCS
G6017	Intra-fraction localization and tracking of target or patient motion during delivery of radiation therapy (eg, 3d positional tracking, gating, 3d surface tracking), each fraction of treatment	Procedure	HCPCS
G9835	Trastuzumab administered within 12 months of diagnosis	Procedure	HCPCS
G9837	Trastuzumab not administered within 12 months of diagnosis	Procedure	HCPCS
J0129	Injection, abatacept, 10 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self-administered)	Procedure	HCPCS
J0135	Injection, adalimumab, 20 mg	Procedure	HCPCS
J0202	Injection, alemtuzumab, 1 mg	Procedure	HCPCS
J0207	Injection, amifostine, 500 mg	Procedure	HCPCS
J0215	Injection, alefacept, 0.5 mg	Procedure	HCPCS
J0480	Injection, basiliximab, 20 mg	Procedure	HCPCS
J0485	Injection, belatacept, 1 mg	Procedure	HCPCS
J0490	belimumab	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J0593	Inj., lanadelumab-flyo, 1 mg	Procedure	HCPCS
J0594	Injection, busulfan, 1 mg	Procedure	HCPCS
J0638	canakinumab	Procedure	HCPCS
J0717	Injection, certolizumab pegol, 1 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self administered)	Procedure	HCPCS
J0718	Injection, certolizumab pegol, 1 mg	Procedure	HCPCS
J0894	Injection, decitabine, 1 mg	Procedure	HCPCS
J0897	Denosumab	Procedure	HCPCS
J1300	Injection, eculizumab, 10 mg	Procedure	HCPCS
J1303	ravulizumab	Procedure	HCPCS
J1438	Injection, etanercept, 25 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self-administered)	Procedure	HCPCS
J1595	Injection, glatiramer acetate, 20 mg	Procedure	HCPCS
J1600	Injection, gold sodium thiomalate, up to 50 mg	Procedure	HCPCS
J1600	Injection, gold sodium thiomalate, up to 50 mg	Procedure	HCPCS
J1602	Injection, golimumab, 1 mg, for intravenous use	Procedure	HCPCS
J1602	Injection, golimumab, 1 mg, for intravenous use	Procedure	HCPCS
J1602	Injection, golimumab, 1 mg, for intravenous use	Procedure	HCPCS
J1628	guselkumab	Procedure	HCPCS
J1745	Injection, infliximab, excludes biosimilar, 10 mg	Procedure	HCPCS
J1745	Injection, infliximab, excludes biosimilar, 10 mg	Procedure	HCPCS
J1825	Injection, interferon beta-1a, 33 mcg	Procedure	HCPCS
J1826	Injection, interferon beta-1a, 30 mcg	Procedure	HCPCS
J1830	Injection interferon beta-1b, 0.25 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self-administered)	Procedure	HCPCS
J2323	Natalizumab	Procedure	HCPCS
J2350	ocrelizumab	Procedure	HCPCS
J2504	Injection, pegademase bovine, 25 IU	Procedure	HCPCS
J2793	rilonacept	Procedure	HCPCS
J2860	siltuximab	Procedure	HCPCS
J2910	Aurothioglucose	Procedure	HCPCS
J3031	fremanezumab	Procedure	HCPCS
J3111	Romosozumab	Procedure	HCPCS
J3245	tildrakizumab	Procedure	HCPCS
J3262	Injection, tocilizumab, 1 mg	Procedure	HCPCS
J3357	Ustekinumab, for subcutaneous injection, 1 mg	Procedure	HCPCS
J3358	Ustekinumab, for intravenous injection, 1 mg	Procedure	HCPCS
J3380	vedolizumab	Procedure	HCPCS
J7500	Azathioprine, oral, 50 mg	Procedure	HCPCS
J7501	Azathioprine, parenteral, 100 mg	Procedure	HCPCS
J7502	Cyclosporine, oral, 100 mg	Procedure	HCPCS
J7503	Tacrolimus, extended release, oral, 0.25 mg	Procedure	HCPCS
J7505	Muromonab-CD3, parenteral, 5 mg	Procedure	HCPCS
J7507	Tacrolimus, immediate release, oral, 1 mg	Procedure	HCPCS
J7508	Tacrolimus, extended release, (Astagraf XL), oral, 0.1 mg	Procedure	HCPCS
J7513	Daclizumab, parenteral, 25 mg	Procedure	HCPCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J7515	Cyclosporine, oral, 25 mg	Procedure	HCPCS
J7516	Cyclosporine, parenteral, 250 mg	Procedure	HCPCS
J7517	Mycophenolate mofetil, oral, 250 mg	Procedure	HCPCS
J7520	Sirolimus, oral, 1 mg	Procedure	HCPCS
J7525	Tacrolimus, parenteral, 5 mg	Procedure	HCPCS
J7527	Everolimus, oral, 0.25 mg	Procedure	HCPCS
J7599	Immunosuppressive drug, not otherwise classified	Procedure	HCPCS
J8510	Busulfan, oral, 2 mg	Procedure	HCPCS
J8520	Capecitabine, oral, 150 mg	Procedure	HCPCS
J8521	Capecitabine, oral, 500 mg	Procedure	HCPCS
J8530	Cyclophosphamide, oral, 25 mg	Procedure	HCPCS
J8560	Etoposide, oral, 50 mg	Procedure	HCPCS
J8561	Everolimus, oral, 0.25 mg	Procedure	HCPCS
J8562	Fludarabine phosphate, oral, 10 mg	Procedure	HCPCS
J8565	Gefitinib, oral, 250 mg	Procedure	HCPCS
J8600	Melphalan, oral, 2 mg	Procedure	HCPCS
J8610	Methotrexate, oral, 2.5 mg	Procedure	HCPCS
J8700	Temozolomide, oral, 5 mg	Procedure	HCPCS
J8705	Topotecan, oral, 0.25 mg	Procedure	HCPCS
J8999	Prescription drug, oral, chemotherapeutic, NOS	Procedure	HCPCS
J9000	Injection, doxorubicin HCl, 10 mg	Procedure	HCPCS
J9001	Injection, doxorubicin HCl, all lipid formulations, 10 mg	Procedure	HCPCS
J9002	Injection, doxorubicin hydrochloride, liposomal, Doxil, 10 mg	Procedure	HCPCS
J9010	Injection, alemtuzumab, 10 mg	Procedure	HCPCS
J9015	Injection, aldesleukin, per single use vial	Procedure	HCPCS
J9017	Injection, arsenic trioxide, 1 mg	Procedure	HCPCS
J9019	Injection, asparaginase (Erwinaze), 1,000 IU	Procedure	HCPCS
J9020	Injection, asparaginase, not otherwise specified, 10,000 units	Procedure	HCPCS
J9025	Injection, azacitidine, 1 mg	Procedure	HCPCS
J9027	Injection, clofarabine, 1 mg	Procedure	HCPCS
J9033	Injection, bendamustine HCl (Treanda), 1 mg	Procedure	HCPCS
J9034	Injection, bendamustine HCl (Bendeka), 1 mg	Procedure	HCPCS
J9035	Injection, bevacizumab, 10 mg	Procedure	HCPCS
J9036	Injection, bendamustine hydrochloride, (Belrapzo), 1 mg	Procedure	HCPCS
J9040	Injection, bleomycin sulfate, 15 units	Procedure	HCPCS
J9041	Injection, bortezomib, 0.1 mg	Procedure	HCPCS
J9042	Injection, brentuximab vedotin, 1 mg	Procedure	HCPCS
J9043	Injection, cabazitaxel, 1 mg	Procedure	HCPCS
J9045	Injection, carboplatin, 50 mg	Procedure	HCPCS
J9047	Injection, carfilzomib, 1 mg	Procedure	HCPCS
J9050	Injection, carmustine, 100 mg	Procedure	HCPCS
J9055	Injection, cetuximab, 10 mg	Procedure	HCPCS
J9057	Injection, copanlisib, 1 mg	Procedure	HCPCS
J9060	Injection, cisplatin, powder or solution, 10 mg	Procedure	HCPCS
J9062	Cisplatin, 50 mg	Procedure	HCPCS
J9065	Injection, cladribine, per 1 mg	Procedure	HCPCS
J9070	Cyclophosphamide, 100 mg	Procedure	HCPCS
J9080	Cyclophosphamide, 200 mg	Procedure	HCPCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J9090	Cyclophosphamide, 500 mg	Procedure	HCPCS
J9091	Cyclophosphamide, 1 g	Procedure	HCPCS
J9092	Cyclophosphamide, 2 g	Procedure	HCPCS
J9093	Cyclophosphamide, lyophilized, 100 mg	Procedure	HCPCS
J9094	Cyclophosphamide, lyophilized, 200 mg	Procedure	HCPCS
J9095	Cyclophosphamide, lyophilized, 500 mg	Procedure	HCPCS
J9096	Cyclophosphamide, lyophilized, 1 g	Procedure	HCPCS
J9097	Cyclophosphamide, lyophilized, 2 g	Procedure	HCPCS
J9098	Injection, cytarabine liposome, 10 mg	Procedure	HCPCS
J9100	Injection, cytarabine, 100 mg	Procedure	HCPCS
J9110	Injection, cytarabine, 500 mg	Procedure	HCPCS
J9118	Inj. Calaspargase pegol-mknl	Procedure	HCPCS
J9119	cemiplimab	Procedure	HCPCS
J9120	Injection, dactinomycin, 0.5 mg	Procedure	HCPCS
J9130	Dacarbazine, 100 mg	Procedure	HCPCS
J9140	Dacarbazine, 200 mg	Procedure	HCPCS
J9150	Injection, daunorubicin, 10 mg	Procedure	HCPCS
J9151	Injection, daunorubicin citrate, liposomal formulation, 10 mg	Procedure	HCPCS
J9153	Injection, liposomal, 1 mg daunorubicin and 2.27 mg cytarabine	Procedure	HCPCS
J9160	Injection, denileukin diftiox, 300 mcg	Procedure	HCPCS
J9170	Injection, docetaxel, 20 mg	Procedure	HCPCS
J9171	Injection, docetaxel, 1 mg	Procedure	HCPCS
J9173	Injection, durvalumab, 10 mg	Procedure	HCPCS
J9178	Injection, epirubicin HCl, 2 mg	Procedure	HCPCS
J9179	Injection, eribulin mesylate, 0.1 mg	Procedure	HCPCS
J9180	Epirubicin HCl, 50 mg	Procedure	HCPCS
J9181	Injection, etoposide, 10 mg	Procedure	HCPCS
J9182	Etoposide, 100 mg	Procedure	HCPCS
J9185	Injection, fludarabine phosphate, 50 mg	Procedure	HCPCS
J9190	Injection, fluorouracil, 500 mg	Procedure	HCPCS
J9200	Injection, floxuridine, 500 mg	Procedure	HCPCS
J9201	Injection, gemcitabine HCl, 200 mg	Procedure	HCPCS
J9203	Injection, gemtuzumab ozogamicin, 0.1 mg	Procedure	HCPCS
J9204	Mogamulizumab	Procedure	HCPCS
J9205	Injection, irinotecan liposome, 1 mg	Procedure	HCPCS
J9206	Injection, irinotecan, 20 mg	Procedure	HCPCS
J9207	Injection, ixabepilone, 1 mg	Procedure	HCPCS
J9208	Injection, ifosfamide, 1 g	Procedure	HCPCS
J9210	emapalumab	Procedure	HCPCS
J9211	Injection, idarubicin HCl, 5 mg	Procedure	HCPCS
J9212	Injection, interferon alfacon-1, recombinant, 1 mcg	Procedure	HCPCS
J9212	Injection, interferon alfacon-1, recombinant, 1 mcg	Procedure	HCPCS
J9213	Injection, interferon, alfa-2a, recombinant, 3 million units	Procedure	HCPCS
J9213	Injection, interferon, alfa-2a, recombinant, 3 million units	Procedure	HCPCS
J9214	Injection, interferon, alfa-2b, recombinant, 1 million units	Procedure	HCPCS
J9214	Injection, interferon, alfa-2b, recombinant, 1 million units	Procedure	HCPCS
J9215	Injection, interferon, alfa-N3, (human leukocyte derived), 250,000 IU	Procedure	HCPCS
J9215	Injection, interferon, alfa-N3, (human leukocyte derived), 250,000 IU	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J9216	Injection, interferon, gamma 1-b, 3 million units	Procedure	HCPCS
J9216	Injection, interferon, gamma 1-b, 3 million units	Procedure	HCPCS
J9228	Injection, ipilimumab, 1 mg	Procedure	HCPCS
J9229	Injection, inotuzumab ozogamicin, 0.1 mg	Procedure	HCPCS
J9230	Injection, mechlorethamine HCl, (nitrogen mustard), 10 mg	Procedure	HCPCS
J9245	Injection, melphalan HCl, 50 mg	Procedure	HCPCS
J9250	Methotrexate sodium, 5 mg	Procedure	HCPCS
J9260	Methotrexate sodium, 50 mg	Procedure	HCPCS
J9261	Injection, nelarabine, 50 mg	Procedure	HCPCS
J9262	Injection, omacetaxine mepesuccinate, 0.01 mg	Procedure	HCPCS
J9263	Injection, oxaliplatin, 0.5 mg	Procedure	HCPCS
J9264	Injection, paclitaxel protein-bound particles, 1 mg	Procedure	HCPCS
J9265	Injection, paclitaxel, 30 mg	Procedure	HCPCS
J9266	Injection, pegaspargase, per single dose vial	Procedure	HCPCS
J9267	Injection, paclitaxel, 1 mg	Procedure	HCPCS
J9268	Injection, pentostatin, 10 mg	Procedure	HCPCS
J9269	Injection, tagraxofusp-erzs, 10 micrograms	Procedure	HCPCS
J9270	Injection, plicamycin, 2.5 mg	Procedure	HCPCS
J9271	pembrolizumab	Procedure	HCPCS
J9280	Injection, mitomycin, 5 mg	Procedure	HCPCS
J9290	Mitomycin, 20 mg	Procedure	HCPCS
J9291	Mitomycin, 40 mg	Procedure	HCPCS
J9293	Injection, mitoxantrone HCl, per 5 mg	Procedure	HCPCS
J9300	Injection, gemtuzumab ozogamicin, 5 mg	Procedure	HCPCS
J9301	Injection, obinutuzumab, 10 mg	Procedure	HCPCS
J9302	Injection, ofatumumab, 10 mg	Procedure	HCPCS
J9303	Injection, panitumumab, 10 mg	Procedure	HCPCS
J9305	Injection, pemetrexed, 10 mg	Procedure	HCPCS
J9306	Injection, pertuzumab, 1 mg	Procedure	HCPCS
J9307	Injection, pralatrexate, 1 mg	Procedure	HCPCS
J9310	Injection, rituximab, 100 mg	Procedure	HCPCS
J9311	Injection, rituximab 10 mg and hyaluronidase	Procedure	HCPCS
J9312	Injection, rituximab, 10 mg	Procedure	HCPCS
J9315	Injection, romidepsin, 1 mg	Procedure	HCPCS
J9320	Injection, streptozocin, 1 g	Procedure	HCPCS
J9328	Injection, temozolomide, 1 mg	Procedure	HCPCS
J9330	Injection, temsirolimus, 1 mg	Procedure	HCPCS
J9340	Injection, thiotepa, 15 mg	Procedure	HCPCS
J9350	Injection, topotecan, 4 mg	Procedure	HCPCS
J9351	Injection, topotecan, 0.1 mg	Procedure	HCPCS
J9355	Injection, trastuzumab, 10 mg	Procedure	HCPCS
J9356	Injection, trastuzumab, 10 mg and Hyaluronidase-oysk	Procedure	HCPCS
J9360	Injection, vinblastine sulfate, 1 mg	Procedure	HCPCS
J9370	Vincristine sulfate, 1 mg	Procedure	HCPCS
J9371	Injection, vincristine sulfate liposome, 1 mg	Procedure	HCPCS
J9375	Vincristine sulfate, 2 mg	Procedure	HCPCS
J9380	Vincristine sulfate, 5 mg	Procedure	HCPCS
J9390	Injection, vinorelbine tartrate, 10 mg	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J9999	Not otherwise classified, antineoplastic drugs	Procedure	HCPCS
K0119	Azathioprine, oral, tab, 50 mg	Procedure	HCPCS
K0120	Azathioprine, parenteral, 100 mg	Procedure	HCPCS
K0122	Cyclosporine, parenteral, 250 mg	Procedure	HCPCS
K0412	Mycophenolate mofetil, oral, 250 mg (CellCept)	Procedure	HCPCS
Q2010	Injection, glatiramer acetate, per dose	Procedure	HCPCS
Q2012	Injection, pegademase bovine, 25 IU	Procedure	HCPCS
Q2019	Injection, basiliximab, 20 mg	Procedure	HCPCS
Q2025	Fludarabine phosphate, oral, 1 mg	Procedure	HCPCS
Q2043	Sipuleucel-T, minimum of 50 million autologous cd54+ cells activated with PAP-GM-CSF, including leukapheresis and all other preparatory procedures, per infusion	Procedure	HCPCS
Q2044	Injection, belimumab, 10 mg	Procedure	HCPCS
Q2048	Injection, doxorubicin hydrochloride, liposomal, DOXIL, 10 mg	Procedure	HCPCS
Q2049	Injection, doxorubicin hydrochloride, liposomal, imported Lipodox, 10 mg	Procedure	HCPCS
Q2050	Injection, doxorubicin hydrochloride, liposomal, not otherwise specified, 10 mg	Procedure	HCPCS
Q3001	Radioelements for brachytherapy, any type, each	Procedure	HCPCS
Q3025	Injection, interferon beta-1a, 11 mcg for intramuscular use	Procedure	HCPCS
Q3026	Injection, interferon beta-1a, 11 mcg for subcutaneous use	Procedure	HCPCS
Q3027	Injection, interferon beta-1a, 1 mcg for intramuscular use	Procedure	HCPCS
Q3028	Injection, interferon beta-1a, 1 mcg for subcutaneous use	Procedure	HCPCS
Q4079	Injection, natalizumab, 1 mg	Procedure	HCPCS
Q5102	Injection, infliximab, biosimilar, 10 mg	Procedure	HCPCS
Q5102	Injection, infliximab, biosimilar, 10 mg	Procedure	HCPCS
Q5103	Injection, infliximab-dyyb, biosimilar, (inflectra), 10 mg	Procedure	HCPCS
Q5104	Injection, infliximab-abda, biosimilar, (renflexis), 10 mg	Procedure	HCPCS
Q5107	Injection, bevacizumab-awwb, biosimilar, (mvasi), 10 mg	Procedure	HCPCS
Q5109	Injection, infliximab-qbtx, biosimilar, (ixifi), 10 mg	Procedure	HCPCS
Q5112	Injection, trastuzumab-dttb, biosimilar, (ontruzant), 10 mg	Procedure	HCPCS
Q5112	Injection, trastuzumab-dttb, biosimilar, (Ontruzant), 10 mg	Procedure	HCPCS
Q5113	Injection, trastuzumab-pkrb, biosimilar, (herzuma), 10 mg	Procedure	HCPCS
Q5113	Injection, trastuzumab-pkrb, biosimilar, (Herzuma), 10 mg	Procedure	HCPCS
Q5114	Injection, trastuzumab-dkst, biosimilar, (ogivri), 10 mg	Procedure	HCPCS
Q5114	Injection, Trastuzumab-dkst, biosimilar, (Ogivri), 10 mg	Procedure	HCPCS
Q5115	Injection, rituximab-abbs, biosimilar, (truxima), 10 mg	Procedure	HCPCS
Q5115	Injection, rituximab-abbs, biosimilar, 10 mg	Procedure	HCPCS
Q5116	Injection, trastuzumab-qyyp, biosimilar, (trazimera), 10 mg	Procedure	HCPCS
Q5116	Injection, trastuzumab-qyyp, biosimilar, (Trazimera), 10 mg	Procedure	HCPCS
Q5117	Injection, trastuzumab-anns, biosimilar, (kanjinti), 10 mg	Procedure	HCPCS
Q5117	Injection, trastuzumab-anns, biosimilar, (Kanjinti), 10 mg	Procedure	HCPCS
Q5118	Injection, bevacizumab-bvzr, biosimilar, (zirabev), 10 mg	Procedure	HCPCS
Q5119	Injection, rituximab-pvvr, biosimilar, (ruxience), 10 mg	Procedure	HCPCS
Q5121	Injection, infliximab-axxq, biosimilar, (AVSOLA), 10 mg	Procedure	HCPCS
Q9979	Injection, Alemtuzumab, 1 mg	Procedure	HCPCS
Q9989	Ustekinumab, for intravenous injection, 1 mg	Procedure	HCPCS
S0087	Injection, alemtuzumab, 30 mg	Procedure	HCPCS
S0088	Imatinib, 100 mg	Procedure	HCPCS
S0108	Mercaptopurine, oral, 50 mg	Procedure	HCPCS
S0115	Bortezomib, 3.5 mg	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
S0116	Bevacizumab, 100 mg	Procedure	HCPCS
S0145	Injection, pegylated interferon alfa-2a, 180 mcg per ml	Procedure	HCPCS
S0146	Injection, pegylated interferon alfa-2b, 10 mcg per 0.5 ml	Procedure	HCPCS
S0148	Injection, pegylated interferon alfa-2B, 10 mcg	Procedure	HCPCS
S0162	Injection, efalizumab, 125 mg	Procedure	HCPCS
S0168	Injection, azacitidine, 100 mg	Procedure	HCPCS
S0172	Chlorambucil, oral, 2 mg	Procedure	HCPCS
S0176	Hydroxyurea, oral, 500 mg	Procedure	HCPCS
S0178	Lomustine, oral, 10 mg	Procedure	HCPCS
S0182	Procarbazine HCl, oral, 50 mg	Procedure	HCPCS
S0193	Injection alefacept, 7.5 mg (includes dose packaging)	Procedure	HCPCS
Z510	Encounter for antineoplastic radiation therapy	Diagnosis	ICD-10-CM
D61810	Antineoplastic chemotherapy induced pancytopenia	Diagnosis	ICD-10-CM
D6481	Anemia due to antineoplastic chemotherapy	Diagnosis	ICD-10-CM
D701	Agranulocytosis secondary to cancer chemotherapy	Diagnosis	ICD-10-CM
T80810	Extravasation of vesicant antineoplastic chemotherapy	Diagnosis	ICD-10-CM
T80810A	Extravasation of vesicant antineoplastic chemotherapy, initial encounter	Diagnosis	ICD-10-CM
T80810D	Extravasation of vesicant antineoplastic chemotherapy, subsequent encounter	Diagnosis	ICD-10-CM
Z511	Encounter for antineoplastic chemotherapy and immunotherapy	Diagnosis	ICD-10-CM
Z5111	Encounter for antineoplastic chemotherapy	Diagnosis	ICD-10-CM
Z5112	Encounter for antineoplastic immunotherapy	Diagnosis	ICD-10-CM
3E033WL	Introduction of immunosuppressive into peripheral vein, percutaneous	Procedure	ICD-10-PCS
3E040WL	Introduction of immunosuppressive into central vein, open	Procedure	ICD-10-PCS
3E043WL	Introduction of immunosuppressive into central vein, percutaneous	Procedure	ICD-10-PCS
3E050WL	Introduction of immunosuppressive into peripheral artery, open	Procedure	ICD-10-PCS
3E053WL	Introduction of immunosuppressive into peripheral artery, percutaneous	Procedure	ICD-10-PCS
3E060WL	Introduction of immunosuppressive into central artery, open	Procedure	ICD-10-PCS
3E063WL	Introduction of immunosuppressive into central artery, percutaneous	Procedure	ICD-10-PCS
3E030WL	Introduction of Immunosuppressive into Peripheral Vein, Open	Procedure	ICD-10-PCS
D7169CZ	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Californium 252 (Cf-	Procedure	ICD-10-PCS
D71697Z	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71699Z	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71698Z	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7169YZ	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7169BZ	High Dose Rate (HDR) Brachytherapy of Abdomen Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW139CZ	High Dose Rate (HDR) Brachytherapy of Abdomen using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW1397Z	High Dose Rate (HDR) Brachytherapy of Abdomen using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW1399Z	High Dose Rate (HDR) Brachytherapy of Abdomen using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW1398Z	High Dose Rate (HDR) Brachytherapy of Abdomen using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW139YZ	High Dose Rate (HDR) Brachytherapy of Abdomen using Other Isotope	Procedure	ICD-10-PCS
DW139BZ	High Dose Rate (HDR) Brachytherapy of Abdomen using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG129CZ	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG1297Z	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG1299Z	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG1298Z	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG129YZ	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Other Isotope	Procedure	ICD-10-PCS
DG129BZ	High Dose Rate (HDR) Brachytherapy of Adrenal Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7149CZ	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D71497Z	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71499Z	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71498Z	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7149YZ	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7149BZ	High Dose Rate (HDR) Brachytherapy of Axillary Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF129CZ	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF1297Z	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF1299Z	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF1298Z	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF129YZ	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Other Isotope	Procedure	ICD-10-PCS
DF129BZ	High Dose Rate (HDR) Brachytherapy of Bile Ducts using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT129CZ	High Dose Rate (HDR) Brachytherapy of Bladder using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT1297Z	High Dose Rate (HDR) Brachytherapy of Bladder using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT1299Z	High Dose Rate (HDR) Brachytherapy of Bladder using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT1298Z	High Dose Rate (HDR) Brachytherapy of Bladder using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT129YZ	High Dose Rate (HDR) Brachytherapy of Bladder using Other Isotope	Procedure	ICD-10-PCS
DT129BZ	High Dose Rate (HDR) Brachytherapy of Bladder using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7109CZ	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71097Z	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71099Z	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71098Z	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7109YZ	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Other Isotope	Procedure	ICD-10-PCS
D7109BZ	High Dose Rate (HDR) Brachytherapy of Bone Marrow using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D0119CZ	High Dose Rate (HDR) Brachytherapy of Brain Stem using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D01197Z	High Dose Rate (HDR) Brachytherapy of Brain Stem using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D01199Z	High Dose Rate (HDR) Brachytherapy of Brain Stem using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D01198Z	High Dose Rate (HDR) Brachytherapy of Brain Stem using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D0119YZ	High Dose Rate (HDR) Brachytherapy of Brain Stem using Other Isotope	Procedure	ICD-10-PCS
D0119BZ	High Dose Rate (HDR) Brachytherapy of Brain Stem using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D0109CZ	High Dose Rate (HDR) Brachytherapy of Brain using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D01097Z	High Dose Rate (HDR) Brachytherapy of Brain using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D01099Z	High Dose Rate (HDR) Brachytherapy of Brain using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D01098Z	High Dose Rate (HDR) Brachytherapy of Brain using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D0109YZ	High Dose Rate (HDR) Brachytherapy of Brain using Other Isotope	Procedure	ICD-10-PCS
D0109BZ	High Dose Rate (HDR) Brachytherapy of Brain using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB119CZ	High Dose Rate (HDR) Brachytherapy of Bronchus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1197Z	High Dose Rate (HDR) Brachytherapy of Bronchus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1199Z	High Dose Rate (HDR) Brachytherapy of Bronchus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1198Z	High Dose Rate (HDR) Brachytherapy of Bronchus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB119YZ	High Dose Rate (HDR) Brachytherapy of Bronchus using Other Isotope	Procedure	ICD-10-PCS
DB119BZ	High Dose Rate (HDR) Brachytherapy of Bronchus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU119CZ	High Dose Rate (HDR) Brachytherapy of Cervix using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU1197Z	High Dose Rate (HDR) Brachytherapy of Cervix using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU1199Z	High Dose Rate (HDR) Brachytherapy of Cervix using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU1198Z	High Dose Rate (HDR) Brachytherapy of Cervix using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU119YZ	High Dose Rate (HDR) Brachytherapy of Cervix using Other Isotope	Procedure	ICD-10-PCS
DU119BZ	High Dose Rate (HDR) Brachytherapy of Cervix using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW129CZ	High Dose Rate (HDR) Brachytherapy of Chest using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DW1297Z	High Dose Rate (HDR) Brachytherapy of Chest using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW1299Z	High Dose Rate (HDR) Brachytherapy of Chest using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW1298Z	High Dose Rate (HDR) Brachytherapy of Chest using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW129YZ	High Dose Rate (HDR) Brachytherapy of Chest using Other Isotope	Procedure	ICD-10-PCS
DW129BZ	High Dose Rate (HDR) Brachytherapy of Chest using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB179CZ	High Dose Rate (HDR) Brachytherapy of Chest Wall using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1797Z	High Dose Rate (HDR) Brachytherapy of Chest Wall using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1799Z	High Dose Rate (HDR) Brachytherapy of Chest Wall using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1798Z	High Dose Rate (HDR) Brachytherapy of Chest Wall using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB179YZ	High Dose Rate (HDR) Brachytherapy of Chest Wall using Other Isotope	Procedure	ICD-10-PCS
DB179BZ	High Dose Rate (HDR) Brachytherapy of Chest Wall using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD159CZ	High Dose Rate (HDR) Brachytherapy of Colon using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1597Z	High Dose Rate (HDR) Brachytherapy of Colon using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1599Z	High Dose Rate (HDR) Brachytherapy of Colon using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1598Z	High Dose Rate (HDR) Brachytherapy of Colon using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD159YZ	High Dose Rate (HDR) Brachytherapy of Colon using Other Isotope	Procedure	ICD-10-PCS
DD159BZ	High Dose Rate (HDR) Brachytherapy of Colon using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB189CZ	High Dose Rate (HDR) Brachytherapy of Diaphragm using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1897Z	High Dose Rate (HDR) Brachytherapy of Diaphragm using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1899Z	High Dose Rate (HDR) Brachytherapy of Diaphragm using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1898Z	High Dose Rate (HDR) Brachytherapy of Diaphragm using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB189YZ	High Dose Rate (HDR) Brachytherapy of Diaphragm using Other Isotope	Procedure	ICD-10-PCS
DB189BZ	High Dose Rate (HDR) Brachytherapy of Diaphragm using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD129CZ	High Dose Rate (HDR) Brachytherapy of Duodenum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1297Z	High Dose Rate (HDR) Brachytherapy of Duodenum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1299Z	High Dose Rate (HDR) Brachytherapy of Duodenum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1298Z	High Dose Rate (HDR) Brachytherapy of Duodenum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD129YZ	High Dose Rate (HDR) Brachytherapy of Duodenum using Other Isotope	Procedure	ICD-10-PCS
DD129BZ	High Dose Rate (HDR) Brachytherapy of Duodenum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9109CZ	High Dose Rate (HDR) Brachytherapy of Ear using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91097Z	High Dose Rate (HDR) Brachytherapy of Ear using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91099Z	High Dose Rate (HDR) Brachytherapy of Ear using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91098Z	High Dose Rate (HDR) Brachytherapy of Ear using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9109YZ	High Dose Rate (HDR) Brachytherapy of Ear using Other Isotope	Procedure	ICD-10-PCS
D9109BZ	High Dose Rate (HDR) Brachytherapy of Ear using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD109CZ	High Dose Rate (HDR) Brachytherapy of Esophagus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1097Z	High Dose Rate (HDR) Brachytherapy of Esophagus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1099Z	High Dose Rate (HDR) Brachytherapy of Esophagus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1098Z	High Dose Rate (HDR) Brachytherapy of Esophagus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD109YZ	High Dose Rate (HDR) Brachytherapy of Esophagus using Other Isotope	Procedure	ICD-10-PCS
DD109BZ	High Dose Rate (HDR) Brachytherapy of Esophagus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D8109CZ	High Dose Rate (HDR) Brachytherapy of Eye using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D81097Z	High Dose Rate (HDR) Brachytherapy of Eye using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D81099Z	High Dose Rate (HDR) Brachytherapy of Eye using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D81098Z	High Dose Rate (HDR) Brachytherapy of Eye using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D8109YZ	High Dose Rate (HDR) Brachytherapy of Eye using Other Isotope	Procedure	ICD-10-PCS
D8109BZ	High Dose Rate (HDR) Brachytherapy of Eye using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF119CZ	High Dose Rate (HDR) Brachytherapy of Gallbladder using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DF1197Z	High Dose Rate (HDR) Brachytherapy of Gallbladder using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF1199Z	High Dose Rate (HDR) Brachytherapy of Gallbladder using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF1198Z	High Dose Rate (HDR) Brachytherapy of Gallbladder using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF119YZ	High Dose Rate (HDR) Brachytherapy of Gallbladder using Other Isotope	Procedure	ICD-10-PCS
DF119BZ	High Dose Rate (HDR) Brachytherapy of Gallbladder using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9189CZ	High Dose Rate (HDR) Brachytherapy of Hard Palate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91897Z	High Dose Rate (HDR) Brachytherapy of Hard Palate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91899Z	High Dose Rate (HDR) Brachytherapy of Hard Palate using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91898Z	High Dose Rate (HDR) Brachytherapy of Hard Palate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9189YZ	High Dose Rate (HDR) Brachytherapy of Hard Palate using Other Isotope	Procedure	ICD-10-PCS
D9189BZ	High Dose Rate (HDR) Brachytherapy of Hard Palate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW119CZ	High Dose Rate (HDR) Brachytherapy of Head and Neck using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW1197Z	High Dose Rate (HDR) Brachytherapy of Head and Neck using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW1199Z	High Dose Rate (HDR) Brachytherapy of Head and Neck using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW1198Z	High Dose Rate (HDR) Brachytherapy of Head and Neck using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW119YZ	High Dose Rate (HDR) Brachytherapy of Head and Neck using Other Isotope	Procedure	ICD-10-PCS
DW119BZ	High Dose Rate (HDR) Brachytherapy of Head and Neck using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9139CZ	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91397Z	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91399Z	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91398Z	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9139YZ	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Other Isotope	Procedure	ICD-10-PCS
D9139BZ	High Dose Rate (HDR) Brachytherapy of Hypopharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD149CZ	High Dose Rate (HDR) Brachytherapy of Ileum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1497Z	High Dose Rate (HDR) Brachytherapy of Ileum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1499Z	High Dose Rate (HDR) Brachytherapy of Ileum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1498Z	High Dose Rate (HDR) Brachytherapy of Ileum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD149YZ	High Dose Rate (HDR) Brachytherapy of Ileum using Other Isotope	Procedure	ICD-10-PCS
DD149BZ	High Dose Rate (HDR) Brachytherapy of Ileum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7189CZ	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71897Z	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71899Z	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71898Z	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7189YZ	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7189BZ	High Dose Rate (HDR) Brachytherapy of Inguinal Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD139CZ	High Dose Rate (HDR) Brachytherapy of Jejunum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1397Z	High Dose Rate (HDR) Brachytherapy of Jejunum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1399Z	High Dose Rate (HDR) Brachytherapy of Jejunum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1398Z	High Dose Rate (HDR) Brachytherapy of Jejunum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD139YZ	High Dose Rate (HDR) Brachytherapy of Jejunum using Other Isotope	Procedure	ICD-10-PCS
DD139BZ	High Dose Rate (HDR) Brachytherapy of Jejunum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT109CZ	High Dose Rate (HDR) Brachytherapy of Kidney using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT1097Z	High Dose Rate (HDR) Brachytherapy of Kidney using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT1099Z	High Dose Rate (HDR) Brachytherapy of Kidney using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT1098Z	High Dose Rate (HDR) Brachytherapy of Kidney using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT109YZ	High Dose Rate (HDR) Brachytherapy of Kidney using Other Isotope	Procedure	ICD-10-PCS
DT109BZ	High Dose Rate (HDR) Brachytherapy of Kidney using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91B9CZ	High Dose Rate (HDR) Brachytherapy of Larynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D91B97Z	High Dose Rate (HDR) Brachytherapy of Larynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91B99Z	High Dose Rate (HDR) Brachytherapy of Larynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91B98Z	High Dose Rate (HDR) Brachytherapy of Larynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91B9YZ	High Dose Rate (HDR) Brachytherapy of Larynx using Other Isotope	Procedure	ICD-10-PCS
D91B9BZ	High Dose Rate (HDR) Brachytherapy of Larynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DM109CZ	High Dose Rate (HDR) Brachytherapy of Left Breast using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DM1097Z	High Dose Rate (HDR) Brachytherapy of Left Breast using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DM1099Z	High Dose Rate (HDR) Brachytherapy of Left Breast using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DM1098Z	High Dose Rate (HDR) Brachytherapy of Left Breast using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DM109YZ	High Dose Rate (HDR) Brachytherapy of Left Breast using Other Isotope	Procedure	ICD-10-PCS
DM109BZ	High Dose Rate (HDR) Brachytherapy of Left Breast using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF109CZ	High Dose Rate (HDR) Brachytherapy of Liver using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF1097Z	High Dose Rate (HDR) Brachytherapy of Liver using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF1099Z	High Dose Rate (HDR) Brachytherapy of Liver using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF1098Z	High Dose Rate (HDR) Brachytherapy of Liver using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF109YZ	High Dose Rate (HDR) Brachytherapy of Liver using Other Isotope	Procedure	ICD-10-PCS
DF109BZ	High Dose Rate (HDR) Brachytherapy of Liver using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB129CZ	High Dose Rate (HDR) Brachytherapy of Lung using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1297Z	High Dose Rate (HDR) Brachytherapy of Lung using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1299Z	High Dose Rate (HDR) Brachytherapy of Lung using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1298Z	High Dose Rate (HDR) Brachytherapy of Lung using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB129YZ	High Dose Rate (HDR) Brachytherapy of Lung using Other Isotope	Procedure	ICD-10-PCS
DB129BZ	High Dose Rate (HDR) Brachytherapy of Lung using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB169CZ	High Dose Rate (HDR) Brachytherapy of Mediastinum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1697Z	High Dose Rate (HDR) Brachytherapy of Mediastinum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1699Z	High Dose Rate (HDR) Brachytherapy of Mediastinum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1698Z	High Dose Rate (HDR) Brachytherapy of Mediastinum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB169YZ	High Dose Rate (HDR) Brachytherapy of Mediastinum using Other Isotope	Procedure	ICD-10-PCS
DB169BZ	High Dose Rate (HDR) Brachytherapy of Mediastinum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9149CZ	High Dose Rate (HDR) Brachytherapy of Mouth using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91497Z	High Dose Rate (HDR) Brachytherapy of Mouth using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91499Z	High Dose Rate (HDR) Brachytherapy of Mouth using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91498Z	High Dose Rate (HDR) Brachytherapy of Mouth using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9149YZ	High Dose Rate (HDR) Brachytherapy of Mouth using Other Isotope	Procedure	ICD-10-PCS
D9149BZ	High Dose Rate (HDR) Brachytherapy of Mouth using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91D9CZ	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91D97Z	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91D99Z	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91D98Z	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91D9YZ	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Other Isotope	Procedure	ICD-10-PCS
D91D9BZ	High Dose Rate (HDR) Brachytherapy of Nasopharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7139CZ	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71397Z	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71399Z	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71398Z	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7139YZ	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7139BZ	High Dose Rate (HDR) Brachytherapy of Neck Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9119CZ	High Dose Rate (HDR) Brachytherapy of Nose using Californium 252 (Cf-252)	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D91197Z	High Dose Rate (HDR) Brachytherapy of Nose using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91199Z	High Dose Rate (HDR) Brachytherapy of Nose using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91198Z	High Dose Rate (HDR) Brachytherapy of Nose using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9119YZ	High Dose Rate (HDR) Brachytherapy of Nose using Other Isotope	Procedure	ICD-10-PCS
D9119BZ	High Dose Rate (HDR) Brachytherapy of Nose using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91F9CZ	High Dose Rate (HDR) Brachytherapy of Oropharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91F97Z	High Dose Rate (HDR) Brachytherapy of Oropharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91F99Z	High Dose Rate (HDR) Brachytherapy of Oropharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91F98Z	High Dose Rate (HDR) Brachytherapy of Oropharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91F9YZ	High Dose Rate (HDR) Brachytherapy of Oropharynx using Other Isotope	Procedure	ICD-10-PCS
D91F9BZ	High Dose Rate (HDR) Brachytherapy of Oropharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU109CZ	High Dose Rate (HDR) Brachytherapy of Ovary using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU1097Z	High Dose Rate (HDR) Brachytherapy of Ovary using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU1099Z	High Dose Rate (HDR) Brachytherapy of Ovary using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU1098Z	High Dose Rate (HDR) Brachytherapy of Ovary using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU109YZ	High Dose Rate (HDR) Brachytherapy of Ovary using Other Isotope	Procedure	ICD-10-PCS
DU109BZ	High Dose Rate (HDR) Brachytherapy of Ovary using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF139CZ	High Dose Rate (HDR) Brachytherapy of Pancreas using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF1397Z	High Dose Rate (HDR) Brachytherapy of Pancreas using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF1399Z	High Dose Rate (HDR) Brachytherapy of Pancreas using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF1398Z	High Dose Rate (HDR) Brachytherapy of Pancreas using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF139YZ	High Dose Rate (HDR) Brachytherapy of Pancreas using Other Isotope	Procedure	ICD-10-PCS
DF139BZ	High Dose Rate (HDR) Brachytherapy of Pancreas using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG149CZ	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG1497Z	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG1499Z	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG1498Z	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG149YZ	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Other Isotope	Procedure	ICD-10-PCS
DG149BZ	High Dose Rate (HDR) Brachytherapy of Parathyroid Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW169CZ	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW1697Z	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW1699Z	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW1698Z	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW169YZ	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Other Isotope	Procedure	ICD-10-PCS
DW169BZ	High Dose Rate (HDR) Brachytherapy of Pelvic Region using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7179CZ	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71797Z	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71799Z	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71798Z	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7179YZ	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7179BZ	High Dose Rate (HDR) Brachytherapy of Pelvis Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D0179CZ	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D01797Z	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D01799Z	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D01798Z	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D0179YZ	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Other Isotope	Procedure	ICD-10-PCS
D0179BZ	High Dose Rate (HDR) Brachytherapy of Peripheral Nerve using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG119CZ	High Dose Rate (HDR) Brachytherapy of Pineal Body using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DG1197Z	High Dose Rate (HDR) Brachytherapy of Pineal Body using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG1199Z	High Dose Rate (HDR) Brachytherapy of Pineal Body using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG1198Z	High Dose Rate (HDR) Brachytherapy of Pineal Body using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG119YZ	High Dose Rate (HDR) Brachytherapy of Pineal Body using Other Isotope	Procedure	ICD-10-PCS
DG119BZ	High Dose Rate (HDR) Brachytherapy of Pineal Body using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG109CZ	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG1097Z	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG1099Z	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG1098Z	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG109YZ	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Other Isotope	Procedure	ICD-10-PCS
DG109BZ	High Dose Rate (HDR) Brachytherapy of Pituitary Gland using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB159CZ	High Dose Rate (HDR) Brachytherapy of Pleura using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1597Z	High Dose Rate (HDR) Brachytherapy of Pleura using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1599Z	High Dose Rate (HDR) Brachytherapy of Pleura using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1598Z	High Dose Rate (HDR) Brachytherapy of Pleura using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB159YZ	High Dose Rate (HDR) Brachytherapy of Pleura using Other Isotope	Procedure	ICD-10-PCS
DB159BZ	High Dose Rate (HDR) Brachytherapy of Pleura using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DV109CZ	High Dose Rate (HDR) Brachytherapy of Prostate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DV1097Z	High Dose Rate (HDR) Brachytherapy of Prostate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DV1099Z	High Dose Rate (HDR) Brachytherapy of Prostate using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DV1098Z	High Dose Rate (HDR) Brachytherapy of Prostate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DV109YZ	High Dose Rate (HDR) Brachytherapy of Prostate using Other Isotope	Procedure	ICD-10-PCS
DV109BZ	High Dose Rate (HDR) Brachytherapy of Prostate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD179CZ	High Dose Rate (HDR) Brachytherapy of Rectum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1797Z	High Dose Rate (HDR) Brachytherapy of Rectum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1799Z	High Dose Rate (HDR) Brachytherapy of Rectum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1798Z	High Dose Rate (HDR) Brachytherapy of Rectum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD179YZ	High Dose Rate (HDR) Brachytherapy of Rectum using Other Isotope	Procedure	ICD-10-PCS
DD179BZ	High Dose Rate (HDR) Brachytherapy of Rectum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DM119CZ	High Dose Rate (HDR) Brachytherapy of Right Breast using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DM1197Z	High Dose Rate (HDR) Brachytherapy of Right Breast using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DM1199Z	High Dose Rate (HDR) Brachytherapy of Right Breast using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DM1198Z	High Dose Rate (HDR) Brachytherapy of Right Breast using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DM119YZ	High Dose Rate (HDR) Brachytherapy of Right Breast using Other Isotope	Procedure	ICD-10-PCS
DM119BZ	High Dose Rate (HDR) Brachytherapy of Right Breast using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9169CZ	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91697Z	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91699Z	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91698Z	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9169YZ	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Other Isotope	Procedure	ICD-10-PCS
D9169BZ	High Dose Rate (HDR) Brachytherapy of Salivary Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9179CZ	High Dose Rate (HDR) Brachytherapy of Sinuses using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91797Z	High Dose Rate (HDR) Brachytherapy of Sinuses using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91799Z	High Dose Rate (HDR) Brachytherapy of Sinuses using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91798Z	High Dose Rate (HDR) Brachytherapy of Sinuses using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9179YZ	High Dose Rate (HDR) Brachytherapy of Sinuses using Other Isotope	Procedure	ICD-10-PCS
D9179BZ	High Dose Rate (HDR) Brachytherapy of Sinuses using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9199CZ	High Dose Rate (HDR) Brachytherapy of Soft Palate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D91997Z	High Dose Rate (HDR) Brachytherapy of Soft Palate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91999Z	High Dose Rate (HDR) Brachytherapy of Soft Palate using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91998Z	High Dose Rate (HDR) Brachytherapy of Soft Palate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9199YZ	High Dose Rate (HDR) Brachytherapy of Soft Palate using Other Isotope	Procedure	ICD-10-PCS
D9199BZ	High Dose Rate (HDR) Brachytherapy of Soft Palate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D0169CZ	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D01697Z	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D01699Z	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D01698Z	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D0169YZ	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Other Isotope	Procedure	ICD-10-PCS
D0169BZ	High Dose Rate (HDR) Brachytherapy of Spinal Cord using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7129CZ	High Dose Rate (HDR) Brachytherapy of Spleen using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71297Z	High Dose Rate (HDR) Brachytherapy of Spleen using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71299Z	High Dose Rate (HDR) Brachytherapy of Spleen using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71298Z	High Dose Rate (HDR) Brachytherapy of Spleen using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7129YZ	High Dose Rate (HDR) Brachytherapy of Spleen using Other Isotope	Procedure	ICD-10-PCS
D7129BZ	High Dose Rate (HDR) Brachytherapy of Spleen using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD119CZ	High Dose Rate (HDR) Brachytherapy of Stomach using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD1197Z	High Dose Rate (HDR) Brachytherapy of Stomach using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD1199Z	High Dose Rate (HDR) Brachytherapy of Stomach using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD1198Z	High Dose Rate (HDR) Brachytherapy of Stomach using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD119YZ	High Dose Rate (HDR) Brachytherapy of Stomach using Other Isotope	Procedure	ICD-10-PCS
DD119BZ	High Dose Rate (HDR) Brachytherapy of Stomach using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DV119CZ	High Dose Rate (HDR) Brachytherapy of Testis using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DV1197Z	High Dose Rate (HDR) Brachytherapy of Testis using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DV1199Z	High Dose Rate (HDR) Brachytherapy of Testis using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DV1198Z	High Dose Rate (HDR) Brachytherapy of Testis using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DV119YZ	High Dose Rate (HDR) Brachytherapy of Testis using Other Isotope	Procedure	ICD-10-PCS
DV119BZ	High Dose Rate (HDR) Brachytherapy of Testis using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7159CZ	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71597Z	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71599Z	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71598Z	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7159YZ	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D7159BZ	High Dose Rate (HDR) Brachytherapy of Thorax Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D7119CZ	High Dose Rate (HDR) Brachytherapy of Thymus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D71197Z	High Dose Rate (HDR) Brachytherapy of Thymus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D71199Z	High Dose Rate (HDR) Brachytherapy of Thymus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D71198Z	High Dose Rate (HDR) Brachytherapy of Thymus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D7119YZ	High Dose Rate (HDR) Brachytherapy of Thymus using Other Isotope	Procedure	ICD-10-PCS
D7119BZ	High Dose Rate (HDR) Brachytherapy of Thymus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG159CZ	High Dose Rate (HDR) Brachytherapy of Thyroid using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG1597Z	High Dose Rate (HDR) Brachytherapy of Thyroid using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG1599Z	High Dose Rate (HDR) Brachytherapy of Thyroid using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG1598Z	High Dose Rate (HDR) Brachytherapy of Thyroid using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG159YZ	High Dose Rate (HDR) Brachytherapy of Thyroid using Other Isotope	Procedure	ICD-10-PCS
DG159BZ	High Dose Rate (HDR) Brachytherapy of Thyroid using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D9159CZ	High Dose Rate (HDR) Brachytherapy of Tongue using Californium 252 (Cf-252)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D91597Z	High Dose Rate (HDR) Brachytherapy of Tongue using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91599Z	High Dose Rate (HDR) Brachytherapy of Tongue using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91598Z	High Dose Rate (HDR) Brachytherapy of Tongue using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D9159YZ	High Dose Rate (HDR) Brachytherapy of Tongue using Other Isotope	Procedure	ICD-10-PCS
D9159BZ	High Dose Rate (HDR) Brachytherapy of Tongue using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB109CZ	High Dose Rate (HDR) Brachytherapy of Trachea using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB1097Z	High Dose Rate (HDR) Brachytherapy of Trachea using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB1099Z	High Dose Rate (HDR) Brachytherapy of Trachea using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB1098Z	High Dose Rate (HDR) Brachytherapy of Trachea using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB109YZ	High Dose Rate (HDR) Brachytherapy of Trachea using Other Isotope	Procedure	ICD-10-PCS
DB109BZ	High Dose Rate (HDR) Brachytherapy of Trachea using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT119CZ	High Dose Rate (HDR) Brachytherapy of Ureter using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT1197Z	High Dose Rate (HDR) Brachytherapy of Ureter using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT1199Z	High Dose Rate (HDR) Brachytherapy of Ureter using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT1198Z	High Dose Rate (HDR) Brachytherapy of Ureter using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT119YZ	High Dose Rate (HDR) Brachytherapy of Ureter using Other Isotope	Procedure	ICD-10-PCS
DT119BZ	High Dose Rate (HDR) Brachytherapy of Ureter using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT139CZ	High Dose Rate (HDR) Brachytherapy of Urethra using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT1397Z	High Dose Rate (HDR) Brachytherapy of Urethra using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT1399Z	High Dose Rate (HDR) Brachytherapy of Urethra using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT1398Z	High Dose Rate (HDR) Brachytherapy of Urethra using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT139YZ	High Dose Rate (HDR) Brachytherapy of Urethra using Other Isotope	Procedure	ICD-10-PCS
DT139BZ	High Dose Rate (HDR) Brachytherapy of Urethra using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU129CZ	High Dose Rate (HDR) Brachytherapy of Uterus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU1297Z	High Dose Rate (HDR) Brachytherapy of Uterus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU1299Z	High Dose Rate (HDR) Brachytherapy of Uterus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU1298Z	High Dose Rate (HDR) Brachytherapy of Uterus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU129YZ	High Dose Rate (HDR) Brachytherapy of Uterus using Other Isotope	Procedure	ICD-10-PCS
DU129BZ	High Dose Rate (HDR) Brachytherapy of Uterus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
0WHF01Z	Insertion of Radioactive Element into Abdominal Wall, Open Approach	Procedure	ICD-10-PCS
0WHF31Z	Insertion of Radioactive Element into Abdominal Wall, Percutaneous Approach	Procedure	ICD-10-PCS
0WHF41Z	Insertion of Radioactive Element into Abdominal Wall, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0HHVX1Z	Insertion of Radioactive Element into Bilateral Breast, External Approach	Procedure	ICD-10-PCS
0HHV01Z	Insertion of Radioactive Element into Bilateral Breast, Open Approach	Procedure	ICD-10-PCS
0HHV31Z	Insertion of Radioactive Element into Bilateral Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HHV71Z	Insertion of Radioactive Element into Bilateral Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HHV81Z	Insertion of Radioactive Element into Bilateral Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UHC01Z	Insertion of Radioactive Element into Cervix, Open Approach	Procedure	ICD-10-PCS
0UHC31Z	Insertion of Radioactive Element into Cervix, Percutaneous Approach	Procedure	ICD-10-PCS
0UHC41Z	Insertion of Radioactive Element into Cervix, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UHC71Z	Insertion of Radioactive Element into Cervix, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UHC81Z	Insertion of Radioactive Element into Cervix, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0WH801Z	Insertion of Radioactive Element into Chest Wall, Open Approach	Procedure	ICD-10-PCS
0WH831Z	Insertion of Radioactive Element into Chest Wall, Percutaneous Approach	Procedure	ICD-10-PCS
0WH841Z	Insertion of Radioactive Element into Chest Wall, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WH101Z	Insertion of Radioactive Element into Cranial Cavity, Open Approach	Procedure	ICD-10-PCS
0WH131Z	Insertion of Radioactive Element into Cranial Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WH141Z	Insertion of Radioactive Element into Cranial Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0DH501Z	Insertion of Radioactive Element into Esophagus, Open Approach	Procedure	ICD-10-PCS
0DH531Z	Insertion of Radioactive Element into Esophagus, Percutaneous Approach	Procedure	ICD-10-PCS
0DH541Z	Insertion of Radioactive Element into Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DH571Z	Insertion of Radioactive Element into Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DH581Z	Insertion of Radioactive Element into Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WH201Z	Insertion of Radioactive Element into Face, Open Approach	Procedure	ICD-10-PCS
0WH231Z	Insertion of Radioactive Element into Face, Percutaneous Approach	Procedure	ICD-10-PCS
0WH241Z	Insertion of Radioactive Element into Face, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHN01Z	Insertion of Radioactive Element into Female Perineum, Open Approach	Procedure	ICD-10-PCS
0WHN31Z	Insertion of Radioactive Element into Female Perineum, Percutaneous Approach	Procedure	ICD-10-PCS
0WHN41Z	Insertion of Radioactive Element into Female Perineum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHP01Z	Insertion of Radioactive Element into Gastrointestinal Tract, Open Approach	Procedure	ICD-10-PCS
0WHP31Z	Insertion of Radioactive Element into Gastrointestinal Tract, Percutaneous Approach	Procedure	ICD-10-PCS
0WHP41Z	Insertion of Radioactive Element into Gastrointestinal Tract, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0WHP71Z	Insertion of Radioactive Element into Gastrointestinal Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHP81Z	Insertion of Radioactive Element into Gastrointestinal Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHR01Z	Insertion of Radioactive Element into Genitourinary Tract, Open Approach	Procedure	ICD-10-PCS
0WHR31Z	Insertion of Radioactive Element into Genitourinary Tract, Percutaneous Approach	Procedure	ICD-10-PCS
0WHR41Z	Insertion of Radioactive Element into Genitourinary Tract, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0WHR71Z	Insertion of Radioactive Element into Genitourinary Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHR81Z	Insertion of Radioactive Element into Genitourinary Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0JHS01Z	Insertion of Radioactive Element into Head and Neck Subcutaneous Tissue and Fascia, Open	Procedure	ICD-10-PCS
0JHS31Z	Insertion of Radioactive Element into Head and Neck Subcutaneous Tissue and Fascia,	Procedure	ICD-10-PCS
0WH001Z	Insertion of Radioactive Element into Head, Open Approach	Procedure	ICD-10-PCS
0WH031Z	Insertion of Radioactive Element into Head, Percutaneous Approach	Procedure	ICD-10-PCS
0WH041Z	Insertion of Radioactive Element into Head, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FHB01Z	Insertion of Radioactive Element into Hepatobiliary Duct, Open Approach	Procedure	ICD-10-PCS
0FHB31Z	Insertion of Radioactive Element into Hepatobiliary Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0FHB41Z	Insertion of Radioactive Element into Hepatobiliary Duct, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0FHB71Z	Insertion of Radioactive Element into Hepatobiliary Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FHB81Z	Insertion of Radioactive Element into Hepatobiliary Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0YHL01Z	Insertion of Radioactive Element into Left Ankle Region, Open Approach	Procedure	ICD-10-PCS
0YHL31Z	Insertion of Radioactive Element into Left Ankle Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YHL41Z	Insertion of Radioactive Element into Left Ankle Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XH501Z	Insertion of Radioactive Element into Left Axilla, Open Approach	Procedure	ICD-10-PCS
0XH531Z	Insertion of Radioactive Element into Left Axilla, Percutaneous Approach	Procedure	ICD-10-PCS
0XH541Z	Insertion of Radioactive Element into Left Axilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0HHUX1Z	Insertion of Radioactive Element into Left Breast, External Approach	Procedure	ICD-10-PCS
0HHU01Z	Insertion of Radioactive Element into Left Breast, Open Approach	Procedure	ICD-10-PCS
0HHU31Z	Insertion of Radioactive Element into Left Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HHU71Z	Insertion of Radioactive Element into Left Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HHU81Z	Insertion of Radioactive Element into Left Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0YH101Z	Insertion of Radioactive Element into Left Buttock, Open Approach	Procedure	ICD-10-PCS
0YH131Z	Insertion of Radioactive Element into Left Buttock, Percutaneous Approach	Procedure	ICD-10-PCS
0YH141Z	Insertion of Radioactive Element into Left Buttock, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHC01Z	Insertion of Radioactive Element into Left Elbow Region, Open Approach	Procedure	ICD-10-PCS
0XHC31Z	Insertion of Radioactive Element into Left Elbow Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XHC41Z	Insertion of Radioactive Element into Left Elbow Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0YH801Z	Insertion of Radioactive Element into Left Femoral Region, Open Approach	Procedure	ICD-10-PCS
0YH831Z	Insertion of Radioactive Element into Left Femoral Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YH841Z	Insertion of Radioactive Element into Left Femoral Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHN01Z	Insertion of Radioactive Element into Left Foot, Open Approach	Procedure	ICD-10-PCS
0YHN31Z	Insertion of Radioactive Element into Left Foot, Percutaneous Approach	Procedure	ICD-10-PCS
0YHN41Z	Insertion of Radioactive Element into Left Foot, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHK01Z	Insertion of Radioactive Element into Left Hand, Open Approach	Procedure	ICD-10-PCS
0XHK31Z	Insertion of Radioactive Element into Left Hand, Percutaneous Approach	Procedure	ICD-10-PCS
0XHK41Z	Insertion of Radioactive Element into Left Hand, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YH601Z	Insertion of Radioactive Element into Left Inguinal Region, Open Approach	Procedure	ICD-10-PCS
0YH631Z	Insertion of Radioactive Element into Left Inguinal Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YH641Z	Insertion of Radioactive Element into Left Inguinal Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHG01Z	Insertion of Radioactive Element into Left Knee Region, Open Approach	Procedure	ICD-10-PCS
0YHG31Z	Insertion of Radioactive Element into Left Knee Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YHG41Z	Insertion of Radioactive Element into Left Knee Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHF01Z	Insertion of Radioactive Element into Left Lower Arm, Open Approach	Procedure	ICD-10-PCS
0XHF31Z	Insertion of Radioactive Element into Left Lower Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XHF41Z	Insertion of Radioactive Element into Left Lower Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YHB01Z	Insertion of Radioactive Element into Left Lower Extremity, Open Approach	Procedure	ICD-10-PCS
0YHB31Z	Insertion of Radioactive Element into Left Lower Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0YHB41Z	Insertion of Radioactive Element into Left Lower Extremity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHJ01Z	Insertion of Radioactive Element into Left Lower Leg, Open Approach	Procedure	ICD-10-PCS
0YHJ31Z	Insertion of Radioactive Element into Left Lower Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YHJ41Z	Insertion of Radioactive Element into Left Lower Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHL01Z	Insertion of Radioactive Element into Left Lung, Open Approach	Procedure	ICD-10-PCS
0BHL31Z	Insertion of Radioactive Element into Left Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0BHL41Z	Insertion of Radioactive Element into Left Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHL71Z	Insertion of Radioactive Element into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL81Z	Insertion of Radioactive Element into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0HXX1Z	Insertion of Radioactive Element into Left Nipple, External Approach	Procedure	ICD-10-PCS
0HXX01Z	Insertion of Radioactive Element into Left Nipple, Open Approach	Procedure	ICD-10-PCS
0HXX31Z	Insertion of Radioactive Element into Left Nipple, Percutaneous Approach	Procedure	ICD-10-PCS
0HXX71Z	Insertion of Radioactive Element into Left Nipple, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HXX81Z	Insertion of Radioactive Element into Left Nipple, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHB01Z	Insertion of Radioactive Element into Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
0WHB31Z	Insertion of Radioactive Element into Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WHB41Z	Insertion of Radioactive Element into Left Pleural Cavity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XH301Z	Insertion of Radioactive Element into Left Shoulder Region, Open Approach	Procedure	ICD-10-PCS
0XH331Z	Insertion of Radioactive Element into Left Shoulder Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XH341Z	Insertion of Radioactive Element into Left Shoulder Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XH901Z	Insertion of Radioactive Element into Left Upper Arm, Open Approach	Procedure	ICD-10-PCS
0XH931Z	Insertion of Radioactive Element into Left Upper Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XH941Z	Insertion of Radioactive Element into Left Upper Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XH701Z	Insertion of Radioactive Element into Left Upper Extremity, Open Approach	Procedure	ICD-10-PCS
0XH731Z	Insertion of Radioactive Element into Left Upper Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0XH741Z	Insertion of Radioactive Element into Left Upper Extremity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHD01Z	Insertion of Radioactive Element into Left Upper Leg, Open Approach	Procedure	ICD-10-PCS
0YHD31Z	Insertion of Radioactive Element into Left Upper Leg, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0YHD41Z	Insertion of Radioactive Element into Left Upper Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHH01Z	Insertion of Radioactive Element into Left Wrist Region, Open Approach	Procedure	ICD-10-PCS
0XHH31Z	Insertion of Radioactive Element into Left Wrist Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XHH41Z	Insertion of Radioactive Element into Left Wrist Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHL01Z	Insertion of Radioactive Element into Lower Back, Open Approach	Procedure	ICD-10-PCS
0WHL31Z	Insertion of Radioactive Element into Lower Back, Percutaneous Approach	Procedure	ICD-10-PCS
0WHL41Z	Insertion of Radioactive Element into Lower Back, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0JHW01Z	Insertion of Radioactive Element into Lower Extremity Subcutaneous Tissue and Fascia,	Procedure	ICD-10-PCS
0JHW31Z	Insertion of Radioactive Element into Lower Extremity Subcutaneous Tissue and Fascia,	Procedure	ICD-10-PCS
0WH501Z	Insertion of Radioactive Element into Lower Jaw, Open Approach	Procedure	ICD-10-PCS
0WH531Z	Insertion of Radioactive Element into Lower Jaw, Percutaneous Approach	Procedure	ICD-10-PCS
0WH541Z	Insertion of Radioactive Element into Lower Jaw, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHM01Z	Insertion of Radioactive Element into Male Perineum, Open Approach	Procedure	ICD-10-PCS
0WHM31Z	Insertion of Radioactive Element into Male Perineum, Percutaneous Approach	Procedure	ICD-10-PCS
0WHM41Z	Insertion of Radioactive Element into Male Perineum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHC01Z	Insertion of Radioactive Element into Mediastinum, Open Approach	Procedure	ICD-10-PCS
0WHC31Z	Insertion of Radioactive Element into Mediastinum, Percutaneous Approach	Procedure	ICD-10-PCS
0WHC41Z	Insertion of Radioactive Element into Mediastinum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WH601Z	Insertion of Radioactive Element into Neck, Open Approach	Procedure	ICD-10-PCS
0WH631Z	Insertion of Radioactive Element into Neck, Percutaneous Approach	Procedure	ICD-10-PCS
0WH641Z	Insertion of Radioactive Element into Neck, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WH301Z	Insertion of Radioactive Element into Oral Cavity and Throat, Open Approach	Procedure	ICD-10-PCS
0WH331Z	Insertion of Radioactive Element into Oral Cavity and Throat, Percutaneous Approach	Procedure	ICD-10-PCS
0WH341Z	Insertion of Radioactive Element into Oral Cavity and Throat, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0FHD01Z	Insertion of Radioactive Element into Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0FHD31Z	Insertion of Radioactive Element into Pancreatic Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0FHD41Z	Insertion of Radioactive Element into Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FHD71Z	Insertion of Radioactive Element into Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FHD81Z	Insertion of Radioactive Element into Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHJ01Z	Insertion of Radioactive Element into Pelvic Cavity, Open Approach	Procedure	ICD-10-PCS
0WHJ31Z	Insertion of Radioactive Element into Pelvic Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WHJ41Z	Insertion of Radioactive Element into Pelvic Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHD01Z	Insertion of Radioactive Element into Pericardial Cavity, Open Approach	Procedure	ICD-10-PCS
0WHD31Z	Insertion of Radioactive Element into Pericardial Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WHD41Z	Insertion of Radioactive Element into Pericardial Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHG01Z	Insertion of Radioactive Element into Peritoneal Cavity, Open Approach	Procedure	ICD-10-PCS
0WHG31Z	Insertion of Radioactive Element into Peritoneal Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WHG41Z	Insertion of Radioactive Element into Peritoneal Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VH001Z	Insertion of Radioactive Element into Prostate, Open Approach	Procedure	ICD-10-PCS
0VH031Z	Insertion of Radioactive Element into Prostate, Percutaneous Approach	Procedure	ICD-10-PCS
0VH041Z	Insertion of Radioactive Element into Prostate, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VH071Z	Insertion of Radioactive Element into Prostate, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0VH081Z	Insertion of Radioactive Element into Prostate, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DHP01Z	Insertion of Radioactive Element into Rectum, Open Approach	Procedure	ICD-10-PCS
0DHP31Z	Insertion of Radioactive Element into Rectum, Percutaneous Approach	Procedure	ICD-10-PCS
0DHP41Z	Insertion of Radioactive Element into Rectum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DHP71Z	Insertion of Radioactive Element into Rectum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DHP81Z	Insertion of Radioactive Element into Rectum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0WHQ01Z	Insertion of Radioactive Element into Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
0WHQ31Z	Insertion of Radioactive Element into Respiratory Tract, Percutaneous Approach	Procedure	ICD-10-PCS
0WHQ41Z	Insertion of Radioactive Element into Respiratory Tract, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WHQ71Z	Insertion of Radioactive Element into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHQ81Z	Insertion of Radioactive Element into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHH01Z	Insertion of Radioactive Element into Retroperitoneum, Open Approach	Procedure	ICD-10-PCS
0WHH31Z	Insertion of Radioactive Element into Retroperitoneum, Percutaneous Approach	Procedure	ICD-10-PCS
0WHH41Z	Insertion of Radioactive Element into Retroperitoneum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YHK01Z	Insertion of Radioactive Element into Right Ankle Region, Open Approach	Procedure	ICD-10-PCS
0YHK31Z	Insertion of Radioactive Element into Right Ankle Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YHK41Z	Insertion of Radioactive Element into Right Ankle Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XH401Z	Insertion of Radioactive Element into Right Axilla, Open Approach	Procedure	ICD-10-PCS
0XH431Z	Insertion of Radioactive Element into Right Axilla, Percutaneous Approach	Procedure	ICD-10-PCS
0XH441Z	Insertion of Radioactive Element into Right Axilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0HHTX1Z	Insertion of Radioactive Element into Right Breast, External Approach	Procedure	ICD-10-PCS
0HHT01Z	Insertion of Radioactive Element into Right Breast, Open Approach	Procedure	ICD-10-PCS
0HHT31Z	Insertion of Radioactive Element into Right Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HHT71Z	Insertion of Radioactive Element into Right Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HHT81Z	Insertion of Radioactive Element into Right Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0YH001Z	Insertion of Radioactive Element into Right Buttock, Open Approach	Procedure	ICD-10-PCS
0YH031Z	Insertion of Radioactive Element into Right Buttock, Percutaneous Approach	Procedure	ICD-10-PCS
0YH041Z	Insertion of Radioactive Element into Right Buttock, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHB01Z	Insertion of Radioactive Element into Right Elbow Region, Open Approach	Procedure	ICD-10-PCS
0XHB31Z	Insertion of Radioactive Element into Right Elbow Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XHB41Z	Insertion of Radioactive Element into Right Elbow Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YH701Z	Insertion of Radioactive Element into Right Femoral Region, Open Approach	Procedure	ICD-10-PCS
0YH731Z	Insertion of Radioactive Element into Right Femoral Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YH741Z	Insertion of Radioactive Element into Right Femoral Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHM01Z	Insertion of Radioactive Element into Right Foot, Open Approach	Procedure	ICD-10-PCS
0YHM31Z	Insertion of Radioactive Element into Right Foot, Percutaneous Approach	Procedure	ICD-10-PCS
0YHM41Z	Insertion of Radioactive Element into Right Foot, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHJ01Z	Insertion of Radioactive Element into Right Hand, Open Approach	Procedure	ICD-10-PCS
0XHJ31Z	Insertion of Radioactive Element into Right Hand, Percutaneous Approach	Procedure	ICD-10-PCS
0XHJ41Z	Insertion of Radioactive Element into Right Hand, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YH501Z	Insertion of Radioactive Element into Right Inguinal Region, Open Approach	Procedure	ICD-10-PCS
0YH531Z	Insertion of Radioactive Element into Right Inguinal Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YH541Z	Insertion of Radioactive Element into Right Inguinal Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHF01Z	Insertion of Radioactive Element into Right Knee Region, Open Approach	Procedure	ICD-10-PCS
0YHF31Z	Insertion of Radioactive Element into Right Knee Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YHF41Z	Insertion of Radioactive Element into Right Knee Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XHD01Z	Insertion of Radioactive Element into Right Lower Arm, Open Approach	Procedure	ICD-10-PCS
0XHD31Z	Insertion of Radioactive Element into Right Lower Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XHD41Z	Insertion of Radioactive Element into Right Lower Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YH901Z	Insertion of Radioactive Element into Right Lower Extremity, Open Approach	Procedure	ICD-10-PCS
0YH931Z	Insertion of Radioactive Element into Right Lower Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0YH941Z	Insertion of Radioactive Element into Right Lower Extremity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHH01Z	Insertion of Radioactive Element into Right Lower Leg, Open Approach	Procedure	ICD-10-PCS
0YHH31Z	Insertion of Radioactive Element into Right Lower Leg, Percutaneous Approach	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0YHH41Z	Insertion of Radioactive Element into Right Lower Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHK01Z	Insertion of Radioactive Element into Right Lung, Open Approach	Procedure	ICD-10-PCS
0BHK31Z	Insertion of Radioactive Element into Right Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0BHK41Z	Insertion of Radioactive Element into Right Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHK71Z	Insertion of Radioactive Element into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK81Z	Insertion of Radioactive Element into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HHWX1Z	Insertion of Radioactive Element into Right Nipple, External Approach	Procedure	ICD-10-PCS
0HHW01Z	Insertion of Radioactive Element into Right Nipple, Open Approach	Procedure	ICD-10-PCS
0HHW31Z	Insertion of Radioactive Element into Right Nipple, Percutaneous Approach	Procedure	ICD-10-PCS
0HHW71Z	Insertion of Radioactive Element into Right Nipple, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HHW81Z	Insertion of Radioactive Element into Right Nipple, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WH901Z	Insertion of Radioactive Element into Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
0WH931Z	Insertion of Radioactive Element into Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WH941Z	Insertion of Radioactive Element into Right Pleural Cavity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XH201Z	Insertion of Radioactive Element into Right Shoulder Region, Open Approach	Procedure	ICD-10-PCS
0XH231Z	Insertion of Radioactive Element into Right Shoulder Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XH241Z	Insertion of Radioactive Element into Right Shoulder Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0XH801Z	Insertion of Radioactive Element into Right Upper Arm, Open Approach	Procedure	ICD-10-PCS
0XH831Z	Insertion of Radioactive Element into Right Upper Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XH841Z	Insertion of Radioactive Element into Right Upper Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XH601Z	Insertion of Radioactive Element into Right Upper Extremity, Open Approach	Procedure	ICD-10-PCS
0XH631Z	Insertion of Radioactive Element into Right Upper Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0XH641Z	Insertion of Radioactive Element into Right Upper Extremity, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0YHC01Z	Insertion of Radioactive Element into Right Upper Leg, Open Approach	Procedure	ICD-10-PCS
0YHC31Z	Insertion of Radioactive Element into Right Upper Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YHC41Z	Insertion of Radioactive Element into Right Upper Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XHG01Z	Insertion of Radioactive Element into Right Wrist Region, Open Approach	Procedure	ICD-10-PCS
0XHG31Z	Insertion of Radioactive Element into Right Wrist Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XHG41Z	Insertion of Radioactive Element into Right Wrist Region, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0CH7X1Z	Insertion of Radioactive Element into Tongue, External Approach	Procedure	ICD-10-PCS
0CH701Z	Insertion of Radioactive Element into Tongue, Open Approach	Procedure	ICD-10-PCS
0CH731Z	Insertion of Radioactive Element into Tongue, Percutaneous Approach	Procedure	ICD-10-PCS
0BH001Z	Insertion of Radioactive Element into Tracheobronchial Tree, Open Approach	Procedure	ICD-10-PCS
0BH031Z	Insertion of Radioactive Element into Tracheobronchial Tree, Percutaneous Approach	Procedure	ICD-10-PCS
0BH041Z	Insertion of Radioactive Element into Tracheobronchial Tree, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0BH071Z	Insertion of Radioactive Element into Tracheobronchial Tree, Via Natural or Artificial	Procedure	ICD-10-PCS
0BH081Z	Insertion of Radioactive Element into Tracheobronchial Tree, Via Natural or Artificial	Procedure	ICD-10-PCS
0JHT01Z	Insertion of Radioactive Element into Trunk Subcutaneous Tissue and Fascia, Open	Procedure	ICD-10-PCS
0JHT31Z	Insertion of Radioactive Element into Trunk Subcutaneous Tissue and Fascia, Percutaneous	Procedure	ICD-10-PCS
0WHK01Z	Insertion of Radioactive Element into Upper Back, Open Approach	Procedure	ICD-10-PCS
0WHK31Z	Insertion of Radioactive Element into Upper Back, Percutaneous Approach	Procedure	ICD-10-PCS
0WHK41Z	Insertion of Radioactive Element into Upper Back, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0JHV01Z	Insertion of Radioactive Element into Upper Extremity Subcutaneous Tissue and Fascia,	Procedure	ICD-10-PCS
0JHV31Z	Insertion of Radioactive Element into Upper Extremity Subcutaneous Tissue and Fascia,	Procedure	ICD-10-PCS
0WH401Z	Insertion of Radioactive Element into Upper Jaw, Open Approach	Procedure	ICD-10-PCS
0WH431Z	Insertion of Radioactive Element into Upper Jaw, Percutaneous Approach	Procedure	ICD-10-PCS
0WH441Z	Insertion of Radioactive Element into Upper Jaw, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UHGX1Z	Insertion of Radioactive Element into Vagina, External Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
0UHG01Z	Insertion of Radioactive Element into Vagina, Open Approach	Procedure	ICD-10-PCS
0UHG31Z	Insertion of Radioactive Element into Vagina, Percutaneous Approach	Procedure	ICD-10-PCS
0UHG41Z	Insertion of Radioactive Element into Vagina, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UHG71Z	Insertion of Radioactive Element into Vagina, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UHG81Z	Insertion of Radioactive Element into Vagina, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0J304	Introduction of Liquid Brachytherapy Radioisotope into Biliary and Pancreatic Tract,	Procedure	ICD-10-PCS
3E0J704	Introduction of Liquid Brachytherapy Radioisotope into Biliary and Pancreatic Tract, Via	Procedure	ICD-10-PCS
3E0J804	Introduction of Liquid Brachytherapy Radioisotope into Biliary and Pancreatic Tract, Via	Procedure	ICD-10-PCS
3E0Q304	Introduction of Liquid Brachytherapy Radioisotope into Cranial Cavity and Brain,	Procedure	ICD-10-PCS
3E0Q704	Introduction of Liquid Brachytherapy Radioisotope into Cranial Cavity and Brain, Via Natural	Procedure	ICD-10-PCS
3E0B304	Introduction of Liquid Brachytherapy Radioisotope into Ear, External Approach	Procedure	ICD-10-PCS
3E0B704	Introduction of Liquid Brachytherapy Radioisotope into Ear, Percutaneous Approach	Procedure	ICD-10-PCS
3E0B804	Introduction of Liquid Brachytherapy Radioisotope into Ear, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0S304	Introduction of Liquid Brachytherapy Radioisotope into Epidural Space, Percutaneous	Procedure	ICD-10-PCS
3E0C304	Introduction of Liquid Brachytherapy Radioisotope into Eye, External Approach	Procedure	ICD-10-PCS
3E0C704	Introduction of Liquid Brachytherapy Radioisotope into Eye, Percutaneous Approach	Procedure	ICD-10-PCS
3E0C804	Introduction of Liquid Brachytherapy Radioisotope into Eye, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0P304	Introduction of Liquid Brachytherapy Radioisotope into Female Reproductive, Percutaneous Approach	Procedure	ICD-10-PCS
3E0P704	Introduction of Liquid Brachytherapy Radioisotope into Female Reproductive, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0P804	Introduction of Liquid Brachytherapy Radioisotope into Female Reproductive, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0K304	Introduction of Liquid Brachytherapy Radioisotope into Genitourinary Tract, Percutaneous	Procedure	ICD-10-PCS
3E0K704	Introduction of Liquid Brachytherapy Radioisotope into Genitourinary Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0K804	Introduction of Liquid Brachytherapy Radioisotope into Genitourinary Tract, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0U304	Introduction of Liquid Brachytherapy Radioisotope into Joints, Percutaneous Approach	Procedure	ICD-10-PCS
3E0H304	Introduction of Liquid Brachytherapy Radioisotope into Lower GI, Percutaneous Approach	Procedure	ICD-10-PCS
3E0H704	Introduction of Liquid Brachytherapy Radioisotope into Lower GI, Via Natural or Artificial	Procedure	ICD-10-PCS
3E0H804	Introduction of Liquid Brachytherapy Radioisotope into Lower GI, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0N304	Introduction of Liquid Brachytherapy Radioisotope into Male Reproductive, Percutaneous	Procedure	ICD-10-PCS
3E0N704	Introduction of Liquid Brachytherapy Radioisotope into Male Reproductive, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0N804	Introduction of Liquid Brachytherapy Radioisotope into Male Reproductive, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0D304	Introduction of Liquid Brachytherapy Radioisotope into Mouth and Pharynx, External	Procedure	ICD-10-PCS
3E0D704	Introduction of Liquid Brachytherapy Radioisotope into Mouth and Pharynx, Percutaneous	Procedure	ICD-10-PCS
3E0D804	Introduction of Liquid Brachytherapy Radioisotope into Mouth and Pharynx, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0Y304	Introduction of Liquid Brachytherapy Radioisotope into Pericardial Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
3E0Y704	Introduction of Liquid Brachytherapy Radioisotope into Pericardial Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0M304	Introduction of Liquid Brachytherapy Radioisotope into Peritoneal Cavity, Percutaneous	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
3E0M704	Introduction of Liquid Brachytherapy Radioisotope into Peritoneal Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0L304	Introduction of Liquid Brachytherapy Radioisotope into Pleural Cavity, Percutaneous	Procedure	ICD-10-PCS
3E0L704	Introduction of Liquid Brachytherapy Radioisotope into Pleural Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0E304	Introduction of Liquid Brachytherapy Radioisotope into Products of Conception, Percutaneous Approach	Procedure	ICD-10-PCS
3E0E704	Introduction of Liquid Brachytherapy Radioisotope into Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0E804	Introduction of Liquid Brachytherapy Radioisotope into Products of Conception, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0F304	Introduction of Liquid Brachytherapy Radioisotope into Respiratory Tract, Percutaneous	Procedure	ICD-10-PCS
3E0F704	Introduction of Liquid Brachytherapy Radioisotope into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0F804	Introduction of Liquid Brachytherapy Radioisotope into Respiratory Tract, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0R304	Introduction of Liquid Brachytherapy Radioisotope into Spinal Canal, Percutaneous	Procedure	ICD-10-PCS
3E0G304	Introduction of Liquid Brachytherapy Radioisotope into Upper GI, Percutaneous Approach	Procedure	ICD-10-PCS
3E0G704	Introduction of Liquid Brachytherapy Radioisotope into Upper GI, Via Natural or Artificial	Procedure	ICD-10-PCS
3E0G804	Introduction of Liquid Brachytherapy Radioisotope into Upper GI, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
D716BCZ	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D716B7Z	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D716B9Z	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D716B8Z	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D716BYZ	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D716BBZ	Low Dose Rate (LDR) Brachytherapy of Abdomen Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW13BCZ	Low Dose Rate (LDR) Brachytherapy of Abdomen using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW13B7Z	Low Dose Rate (LDR) Brachytherapy of Abdomen using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW13B9Z	Low Dose Rate (LDR) Brachytherapy of Abdomen using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW13B8Z	Low Dose Rate (LDR) Brachytherapy of Abdomen using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW13BYZ	Low Dose Rate (LDR) Brachytherapy of Abdomen using Other Isotope	Procedure	ICD-10-PCS
DW13BBZ	Low Dose Rate (LDR) Brachytherapy of Abdomen using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG12BCZ	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG12B7Z	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG12B9Z	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG12B8Z	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG12BYZ	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Other Isotope	Procedure	ICD-10-PCS
DG12BBZ	Low Dose Rate (LDR) Brachytherapy of Adrenal Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D714BCZ	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D714B7Z	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D714B9Z	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D714B8Z	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D714BYZ	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D714BBZ	Low Dose Rate (LDR) Brachytherapy of Axillary Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF12BCZ	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF12B7Z	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF12B9Z	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DF12B8Z	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF12BYZ	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Other Isotope	Procedure	ICD-10-PCS
DF12BBZ	Low Dose Rate (LDR) Brachytherapy of Bile Ducts using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT12BCZ	Low Dose Rate (LDR) Brachytherapy of Bladder using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT12B7Z	Low Dose Rate (LDR) Brachytherapy of Bladder using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT12B9Z	Low Dose Rate (LDR) Brachytherapy of Bladder using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT12B8Z	Low Dose Rate (LDR) Brachytherapy of Bladder using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT12BYZ	Low Dose Rate (LDR) Brachytherapy of Bladder using Other Isotope	Procedure	ICD-10-PCS
DT12BBZ	Low Dose Rate (LDR) Brachytherapy of Bladder using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D710BCZ	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D710B7Z	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D710B9Z	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D710B8Z	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D710BYZ	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Other Isotope	Procedure	ICD-10-PCS
D710BBZ	Low Dose Rate (LDR) Brachytherapy of Bone Marrow using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D011BCZ	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D011B7Z	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D011B9Z	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D011B8Z	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D011BYZ	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Other Isotope	Procedure	ICD-10-PCS
D011BBZ	Low Dose Rate (LDR) Brachytherapy of Brain Stem using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D010BCZ	Low Dose Rate (LDR) Brachytherapy of Brain using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D010B7Z	Low Dose Rate (LDR) Brachytherapy of Brain using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D010B9Z	Low Dose Rate (LDR) Brachytherapy of Brain using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D010B8Z	Low Dose Rate (LDR) Brachytherapy of Brain using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D010BYZ	Low Dose Rate (LDR) Brachytherapy of Brain using Other Isotope	Procedure	ICD-10-PCS
D010BBZ	Low Dose Rate (LDR) Brachytherapy of Brain using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB11BCZ	Low Dose Rate (LDR) Brachytherapy of Bronchus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB11B7Z	Low Dose Rate (LDR) Brachytherapy of Bronchus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB11B9Z	Low Dose Rate (LDR) Brachytherapy of Bronchus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB11B8Z	Low Dose Rate (LDR) Brachytherapy of Bronchus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB11BYZ	Low Dose Rate (LDR) Brachytherapy of Bronchus using Other Isotope	Procedure	ICD-10-PCS
DB11BBZ	Low Dose Rate (LDR) Brachytherapy of Bronchus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU11BCZ	Low Dose Rate (LDR) Brachytherapy of Cervix using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU11B7Z	Low Dose Rate (LDR) Brachytherapy of Cervix using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU11B9Z	Low Dose Rate (LDR) Brachytherapy of Cervix using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU11B8Z	Low Dose Rate (LDR) Brachytherapy of Cervix using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU11BYZ	Low Dose Rate (LDR) Brachytherapy of Cervix using Other Isotope	Procedure	ICD-10-PCS
DU11BBZ	Low Dose Rate (LDR) Brachytherapy of Cervix using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW12BCZ	Low Dose Rate (LDR) Brachytherapy of Chest using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW12B7Z	Low Dose Rate (LDR) Brachytherapy of Chest using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW12B9Z	Low Dose Rate (LDR) Brachytherapy of Chest using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW12B8Z	Low Dose Rate (LDR) Brachytherapy of Chest using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW12BYZ	Low Dose Rate (LDR) Brachytherapy of Chest using Other Isotope	Procedure	ICD-10-PCS
DW12BBZ	Low Dose Rate (LDR) Brachytherapy of Chest using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB17BCZ	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB17B7Z	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB17B9Z	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DB17B8Z	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB17BYZ	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Other Isotope	Procedure	ICD-10-PCS
DB17BBZ	Low Dose Rate (LDR) Brachytherapy of Chest Wall using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD15BCZ	Low Dose Rate (LDR) Brachytherapy of Colon using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD15B7Z	Low Dose Rate (LDR) Brachytherapy of Colon using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD15B9Z	Low Dose Rate (LDR) Brachytherapy of Colon using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD15B8Z	Low Dose Rate (LDR) Brachytherapy of Colon using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD15BYZ	Low Dose Rate (LDR) Brachytherapy of Colon using Other Isotope	Procedure	ICD-10-PCS
DD15BBZ	Low Dose Rate (LDR) Brachytherapy of Colon using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB18BCZ	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB18B7Z	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB18B9Z	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB18B8Z	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB18BYZ	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Other Isotope	Procedure	ICD-10-PCS
DB18BBZ	Low Dose Rate (LDR) Brachytherapy of Diaphragm using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD12BCZ	Low Dose Rate (LDR) Brachytherapy of Duodenum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD12B7Z	Low Dose Rate (LDR) Brachytherapy of Duodenum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD12B9Z	Low Dose Rate (LDR) Brachytherapy of Duodenum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD12B8Z	Low Dose Rate (LDR) Brachytherapy of Duodenum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD12BYZ	Low Dose Rate (LDR) Brachytherapy of Duodenum using Other Isotope	Procedure	ICD-10-PCS
DD12BBZ	Low Dose Rate (LDR) Brachytherapy of Duodenum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D910BCZ	Low Dose Rate (LDR) Brachytherapy of Ear using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D910B7Z	Low Dose Rate (LDR) Brachytherapy of Ear using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D910B9Z	Low Dose Rate (LDR) Brachytherapy of Ear using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D910B8Z	Low Dose Rate (LDR) Brachytherapy of Ear using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D910BYZ	Low Dose Rate (LDR) Brachytherapy of Ear using Other Isotope	Procedure	ICD-10-PCS
D910BBZ	Low Dose Rate (LDR) Brachytherapy of Ear using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD10BCZ	Low Dose Rate (LDR) Brachytherapy of Esophagus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD10B7Z	Low Dose Rate (LDR) Brachytherapy of Esophagus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD10B9Z	Low Dose Rate (LDR) Brachytherapy of Esophagus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD10B8Z	Low Dose Rate (LDR) Brachytherapy of Esophagus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD10BYZ	Low Dose Rate (LDR) Brachytherapy of Esophagus using Other Isotope	Procedure	ICD-10-PCS
DD10BBZ	Low Dose Rate (LDR) Brachytherapy of Esophagus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D810BCZ	Low Dose Rate (LDR) Brachytherapy of Eye using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D810B7Z	Low Dose Rate (LDR) Brachytherapy of Eye using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D810B9Z	Low Dose Rate (LDR) Brachytherapy of Eye using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D810B8Z	Low Dose Rate (LDR) Brachytherapy of Eye using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D810BYZ	Low Dose Rate (LDR) Brachytherapy of Eye using Other Isotope	Procedure	ICD-10-PCS
D810BBZ	Low Dose Rate (LDR) Brachytherapy of Eye using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF11BCZ	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF11B7Z	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF11B9Z	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF11B8Z	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF11BYZ	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Other Isotope	Procedure	ICD-10-PCS
DF11BBZ	Low Dose Rate (LDR) Brachytherapy of Gallbladder using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D918BCZ	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D918B7Z	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D918B9Z	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D918B8Z	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D918BYZ	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Other Isotope	Procedure	ICD-10-PCS
D918BBZ	Low Dose Rate (LDR) Brachytherapy of Hard Palate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW11BCZ	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW11B7Z	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW11B9Z	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW11B8Z	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW11BYZ	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Other Isotope	Procedure	ICD-10-PCS
DW11BBZ	Low Dose Rate (LDR) Brachytherapy of Head and Neck using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D913BCZ	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D913B7Z	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D913B9Z	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D913B8Z	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D913BYZ	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Other Isotope	Procedure	ICD-10-PCS
D913BBZ	Low Dose Rate (LDR) Brachytherapy of Hypopharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD14BCZ	Low Dose Rate (LDR) Brachytherapy of Ileum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD14B7Z	Low Dose Rate (LDR) Brachytherapy of Ileum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD14B9Z	Low Dose Rate (LDR) Brachytherapy of Ileum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD14B8Z	Low Dose Rate (LDR) Brachytherapy of Ileum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD14BYZ	Low Dose Rate (LDR) Brachytherapy of Ileum using Other Isotope	Procedure	ICD-10-PCS
DD14BBZ	Low Dose Rate (LDR) Brachytherapy of Ileum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D718BCZ	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D718B7Z	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D718B9Z	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D718B8Z	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D718BYZ	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D718BBZ	Low Dose Rate (LDR) Brachytherapy of Inguinal Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD13BCZ	Low Dose Rate (LDR) Brachytherapy of Jejunum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD13B7Z	Low Dose Rate (LDR) Brachytherapy of Jejunum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD13B9Z	Low Dose Rate (LDR) Brachytherapy of Jejunum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD13B8Z	Low Dose Rate (LDR) Brachytherapy of Jejunum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD13BYZ	Low Dose Rate (LDR) Brachytherapy of Jejunum using Other Isotope	Procedure	ICD-10-PCS
DD13BBZ	Low Dose Rate (LDR) Brachytherapy of Jejunum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT10BCZ	Low Dose Rate (LDR) Brachytherapy of Kidney using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT10B7Z	Low Dose Rate (LDR) Brachytherapy of Kidney using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT10B9Z	Low Dose Rate (LDR) Brachytherapy of Kidney using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT10B8Z	Low Dose Rate (LDR) Brachytherapy of Kidney using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT10BYZ	Low Dose Rate (LDR) Brachytherapy of Kidney using Other Isotope	Procedure	ICD-10-PCS
DT10BBZ	Low Dose Rate (LDR) Brachytherapy of Kidney using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91BBCZ	Low Dose Rate (LDR) Brachytherapy of Larynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91BB7Z	Low Dose Rate (LDR) Brachytherapy of Larynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91BB9Z	Low Dose Rate (LDR) Brachytherapy of Larynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91BB8Z	Low Dose Rate (LDR) Brachytherapy of Larynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91BBYZ	Low Dose Rate (LDR) Brachytherapy of Larynx using Other Isotope	Procedure	ICD-10-PCS
D91BBBZ	Low Dose Rate (LDR) Brachytherapy of Larynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DM10BCZ	Low Dose Rate (LDR) Brachytherapy of Left Breast using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DM10B7Z	Low Dose Rate (LDR) Brachytherapy of Left Breast using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DM10B9Z	Low Dose Rate (LDR) Brachytherapy of Left Breast using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DM10B8Z	Low Dose Rate (LDR) Brachytherapy of Left Breast using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DM10BYZ	Low Dose Rate (LDR) Brachytherapy of Left Breast using Other Isotope	Procedure	ICD-10-PCS
DM10BBZ	Low Dose Rate (LDR) Brachytherapy of Left Breast using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF10BCZ	Low Dose Rate (LDR) Brachytherapy of Liver using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF10B7Z	Low Dose Rate (LDR) Brachytherapy of Liver using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF10B9Z	Low Dose Rate (LDR) Brachytherapy of Liver using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF10B8Z	Low Dose Rate (LDR) Brachytherapy of Liver using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF10BYZ	Low Dose Rate (LDR) Brachytherapy of Liver using Other Isotope	Procedure	ICD-10-PCS
DF10BBZ	Low Dose Rate (LDR) Brachytherapy of Liver using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB12BCZ	Low Dose Rate (LDR) Brachytherapy of Lung using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB12B7Z	Low Dose Rate (LDR) Brachytherapy of Lung using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB12B9Z	Low Dose Rate (LDR) Brachytherapy of Lung using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB12B8Z	Low Dose Rate (LDR) Brachytherapy of Lung using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB12BYZ	Low Dose Rate (LDR) Brachytherapy of Lung using Other Isotope	Procedure	ICD-10-PCS
DB12BBZ	Low Dose Rate (LDR) Brachytherapy of Lung using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB16BCZ	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB16B7Z	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB16B9Z	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB16B8Z	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB16BYZ	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Other Isotope	Procedure	ICD-10-PCS
DB16BBZ	Low Dose Rate (LDR) Brachytherapy of Mediastinum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D914BCZ	Low Dose Rate (LDR) Brachytherapy of Mouth using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D914B7Z	Low Dose Rate (LDR) Brachytherapy of Mouth using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D914B9Z	Low Dose Rate (LDR) Brachytherapy of Mouth using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D914B8Z	Low Dose Rate (LDR) Brachytherapy of Mouth using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D914BYZ	Low Dose Rate (LDR) Brachytherapy of Mouth using Other Isotope	Procedure	ICD-10-PCS
D914BBZ	Low Dose Rate (LDR) Brachytherapy of Mouth using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91DBCZ	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91DB7Z	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91DB9Z	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D91DB8Z	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91DBYZ	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Other Isotope	Procedure	ICD-10-PCS
D91DBBZ	Low Dose Rate (LDR) Brachytherapy of Nasopharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D713BCZ	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D713B7Z	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D713B9Z	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D713B8Z	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D713BYZ	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D713BBZ	Low Dose Rate (LDR) Brachytherapy of Neck Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D911BCZ	Low Dose Rate (LDR) Brachytherapy of Nose using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D911B7Z	Low Dose Rate (LDR) Brachytherapy of Nose using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D911B9Z	Low Dose Rate (LDR) Brachytherapy of Nose using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D911B8Z	Low Dose Rate (LDR) Brachytherapy of Nose using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D911BYZ	Low Dose Rate (LDR) Brachytherapy of Nose using Other Isotope	Procedure	ICD-10-PCS
D911BBZ	Low Dose Rate (LDR) Brachytherapy of Nose using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D91FBCZ	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D91FB7Z	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D91FB9Z	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D91FB8Z	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D91FBYZ	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Other Isotope	Procedure	ICD-10-PCS
D91FBBZ	Low Dose Rate (LDR) Brachytherapy of Oropharynx using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU10BCZ	Low Dose Rate (LDR) Brachytherapy of Ovary using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU10B7Z	Low Dose Rate (LDR) Brachytherapy of Ovary using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU10B9Z	Low Dose Rate (LDR) Brachytherapy of Ovary using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU10B8Z	Low Dose Rate (LDR) Brachytherapy of Ovary using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU10BYZ	Low Dose Rate (LDR) Brachytherapy of Ovary using Other Isotope	Procedure	ICD-10-PCS
DU10BBZ	Low Dose Rate (LDR) Brachytherapy of Ovary using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DF13BCZ	Low Dose Rate (LDR) Brachytherapy of Pancreas using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DF13B7Z	Low Dose Rate (LDR) Brachytherapy of Pancreas using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DF13B9Z	Low Dose Rate (LDR) Brachytherapy of Pancreas using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DF13B8Z	Low Dose Rate (LDR) Brachytherapy of Pancreas using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DF13BYZ	Low Dose Rate (LDR) Brachytherapy of Pancreas using Other Isotope	Procedure	ICD-10-PCS
DF13BBZ	Low Dose Rate (LDR) Brachytherapy of Pancreas using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG14BCZ	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG14B7Z	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG14B9Z	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG14B8Z	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG14BYZ	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Other Isotope	Procedure	ICD-10-PCS
DG14BBZ	Low Dose Rate (LDR) Brachytherapy of Parathyroid Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DW16BCZ	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DW16B7Z	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DW16B9Z	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DW16B8Z	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DW16BYZ	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Other Isotope	Procedure	ICD-10-PCS
DW16BBZ	Low Dose Rate (LDR) Brachytherapy of Pelvic Region using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D717BCZ	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D717B7Z	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D717B9Z	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D717B8Z	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D717BYZ	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D717BBZ	Low Dose Rate (LDR) Brachytherapy of Pelvis Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D017BCZ	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D017B7Z	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D017B9Z	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D017B8Z	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D017BYZ	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Other Isotope	Procedure	ICD-10-PCS
D017BBZ	Low Dose Rate (LDR) Brachytherapy of Peripheral Nerve using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG11BCZ	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG11B7Z	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG11B9Z	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG11B8Z	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG11BYZ	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Other Isotope	Procedure	ICD-10-PCS
DG11BBZ	Low Dose Rate (LDR) Brachytherapy of Pineal Body using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG10BCZ	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG10B7Z	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG10B9Z	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Iodine 125 (I-125)	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DG10B8Z	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG10BYZ	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Other Isotope	Procedure	ICD-10-PCS
DG10BBZ	Low Dose Rate (LDR) Brachytherapy of Pituitary Gland using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB15BCZ	Low Dose Rate (LDR) Brachytherapy of Pleura using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB15B7Z	Low Dose Rate (LDR) Brachytherapy of Pleura using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB15B9Z	Low Dose Rate (LDR) Brachytherapy of Pleura using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DB15B8Z	Low Dose Rate (LDR) Brachytherapy of Pleura using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB15BYZ	Low Dose Rate (LDR) Brachytherapy of Pleura using Other Isotope	Procedure	ICD-10-PCS
DB15BBZ	Low Dose Rate (LDR) Brachytherapy of Pleura using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DV10BCZ	Low Dose Rate (LDR) Brachytherapy of Prostate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DV10B7Z	Low Dose Rate (LDR) Brachytherapy of Prostate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DV10B9Z	Low Dose Rate (LDR) Brachytherapy of Prostate using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DV10B8Z	Low Dose Rate (LDR) Brachytherapy of Prostate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DV10BYZ	Low Dose Rate (LDR) Brachytherapy of Prostate using Other Isotope	Procedure	ICD-10-PCS
DV10BBZ	Low Dose Rate (LDR) Brachytherapy of Prostate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD17BCZ	Low Dose Rate (LDR) Brachytherapy of Rectum using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD17B7Z	Low Dose Rate (LDR) Brachytherapy of Rectum using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD17B9Z	Low Dose Rate (LDR) Brachytherapy of Rectum using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD17B8Z	Low Dose Rate (LDR) Brachytherapy of Rectum using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD17BYZ	Low Dose Rate (LDR) Brachytherapy of Rectum using Other Isotope	Procedure	ICD-10-PCS
DD17BBZ	Low Dose Rate (LDR) Brachytherapy of Rectum using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DM11BCZ	Low Dose Rate (LDR) Brachytherapy of Right Breast using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DM11B7Z	Low Dose Rate (LDR) Brachytherapy of Right Breast using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DM11B9Z	Low Dose Rate (LDR) Brachytherapy of Right Breast using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DM11B8Z	Low Dose Rate (LDR) Brachytherapy of Right Breast using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DM11BYZ	Low Dose Rate (LDR) Brachytherapy of Right Breast using Other Isotope	Procedure	ICD-10-PCS
DM11BBZ	Low Dose Rate (LDR) Brachytherapy of Right Breast using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D916BCZ	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D916B7Z	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D916B9Z	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D916B8Z	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D916BYZ	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Other Isotope	Procedure	ICD-10-PCS
D916BBZ	Low Dose Rate (LDR) Brachytherapy of Salivary Glands using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D917BCZ	Low Dose Rate (LDR) Brachytherapy of Sinuses using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D917B7Z	Low Dose Rate (LDR) Brachytherapy of Sinuses using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D917B9Z	Low Dose Rate (LDR) Brachytherapy of Sinuses using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D917B8Z	Low Dose Rate (LDR) Brachytherapy of Sinuses using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D917BYZ	Low Dose Rate (LDR) Brachytherapy of Sinuses using Other Isotope	Procedure	ICD-10-PCS
D917BBZ	Low Dose Rate (LDR) Brachytherapy of Sinuses using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D919BCZ	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D919B7Z	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D919B9Z	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D919B8Z	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D919BYZ	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Other Isotope	Procedure	ICD-10-PCS
D919BBZ	Low Dose Rate (LDR) Brachytherapy of Soft Palate using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D016BCZ	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D016B7Z	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D016B9Z	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D016B8Z	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D016BYZ	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Other Isotope	Procedure	ICD-10-PCS
D016BBZ	Low Dose Rate (LDR) Brachytherapy of Spinal Cord using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D712BCZ	Low Dose Rate (LDR) Brachytherapy of Spleen using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D712B7Z	Low Dose Rate (LDR) Brachytherapy of Spleen using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D712B9Z	Low Dose Rate (LDR) Brachytherapy of Spleen using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D712B8Z	Low Dose Rate (LDR) Brachytherapy of Spleen using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D712BYZ	Low Dose Rate (LDR) Brachytherapy of Spleen using Other Isotope	Procedure	ICD-10-PCS
D712BBZ	Low Dose Rate (LDR) Brachytherapy of Spleen using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DD11BCZ	Low Dose Rate (LDR) Brachytherapy of Stomach using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DD11B7Z	Low Dose Rate (LDR) Brachytherapy of Stomach using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DD11B9Z	Low Dose Rate (LDR) Brachytherapy of Stomach using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DD11B8Z	Low Dose Rate (LDR) Brachytherapy of Stomach using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DD11BYZ	Low Dose Rate (LDR) Brachytherapy of Stomach using Other Isotope	Procedure	ICD-10-PCS
DD11BBZ	Low Dose Rate (LDR) Brachytherapy of Stomach using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DV11BCZ	Low Dose Rate (LDR) Brachytherapy of Testis using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DV11B7Z	Low Dose Rate (LDR) Brachytherapy of Testis using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DV11B9Z	Low Dose Rate (LDR) Brachytherapy of Testis using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DV11B8Z	Low Dose Rate (LDR) Brachytherapy of Testis using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DV11BYZ	Low Dose Rate (LDR) Brachytherapy of Testis using Other Isotope	Procedure	ICD-10-PCS
DV11BBZ	Low Dose Rate (LDR) Brachytherapy of Testis using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D715BCZ	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D715B7Z	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D715B9Z	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D715B8Z	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D715BYZ	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Other Isotope	Procedure	ICD-10-PCS
D715BBZ	Low Dose Rate (LDR) Brachytherapy of Thorax Lymphatics using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D711BCZ	Low Dose Rate (LDR) Brachytherapy of Thymus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D711B7Z	Low Dose Rate (LDR) Brachytherapy of Thymus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D711B9Z	Low Dose Rate (LDR) Brachytherapy of Thymus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D711B8Z	Low Dose Rate (LDR) Brachytherapy of Thymus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D711BYZ	Low Dose Rate (LDR) Brachytherapy of Thymus using Other Isotope	Procedure	ICD-10-PCS
D711BBZ	Low Dose Rate (LDR) Brachytherapy of Thymus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DG15BCZ	Low Dose Rate (LDR) Brachytherapy of Thyroid using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DG15B7Z	Low Dose Rate (LDR) Brachytherapy of Thyroid using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DG15B9Z	Low Dose Rate (LDR) Brachytherapy of Thyroid using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DG15B8Z	Low Dose Rate (LDR) Brachytherapy of Thyroid using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DG15BYZ	Low Dose Rate (LDR) Brachytherapy of Thyroid using Other Isotope	Procedure	ICD-10-PCS
DG15BBZ	Low Dose Rate (LDR) Brachytherapy of Thyroid using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
D915BCZ	Low Dose Rate (LDR) Brachytherapy of Tongue using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
D915B7Z	Low Dose Rate (LDR) Brachytherapy of Tongue using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
D915B9Z	Low Dose Rate (LDR) Brachytherapy of Tongue using Iodine 125 (I-125)	Procedure	ICD-10-PCS
D915B8Z	Low Dose Rate (LDR) Brachytherapy of Tongue using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
D915BYZ	Low Dose Rate (LDR) Brachytherapy of Tongue using Other Isotope	Procedure	ICD-10-PCS
D915BBZ	Low Dose Rate (LDR) Brachytherapy of Tongue using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DB10BCZ	Low Dose Rate (LDR) Brachytherapy of Trachea using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DB10B7Z	Low Dose Rate (LDR) Brachytherapy of Trachea using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DB10B9Z	Low Dose Rate (LDR) Brachytherapy of Trachea using Iodine 125 (I-125)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DB10B8Z	Low Dose Rate (LDR) Brachytherapy of Trachea using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DB10BYZ	Low Dose Rate (LDR) Brachytherapy of Trachea using Other Isotope	Procedure	ICD-10-PCS
DB10BBZ	Low Dose Rate (LDR) Brachytherapy of Trachea using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT11BCZ	Low Dose Rate (LDR) Brachytherapy of Ureter using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT11B7Z	Low Dose Rate (LDR) Brachytherapy of Ureter using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT11B9Z	Low Dose Rate (LDR) Brachytherapy of Ureter using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT11B8Z	Low Dose Rate (LDR) Brachytherapy of Ureter using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT11BYZ	Low Dose Rate (LDR) Brachytherapy of Ureter using Other Isotope	Procedure	ICD-10-PCS
DT11BBZ	Low Dose Rate (LDR) Brachytherapy of Ureter using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DT13BCZ	Low Dose Rate (LDR) Brachytherapy of Urethra using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DT13B7Z	Low Dose Rate (LDR) Brachytherapy of Urethra using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DT13B9Z	Low Dose Rate (LDR) Brachytherapy of Urethra using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DT13B8Z	Low Dose Rate (LDR) Brachytherapy of Urethra using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DT13BYZ	Low Dose Rate (LDR) Brachytherapy of Urethra using Other Isotope	Procedure	ICD-10-PCS
DT13BBZ	Low Dose Rate (LDR) Brachytherapy of Urethra using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DU12BCZ	Low Dose Rate (LDR) Brachytherapy of Uterus using Californium 252 (Cf-252)	Procedure	ICD-10-PCS
DU12B7Z	Low Dose Rate (LDR) Brachytherapy of Uterus using Cesium 137 (Cs-137)	Procedure	ICD-10-PCS
DU12B9Z	Low Dose Rate (LDR) Brachytherapy of Uterus using Iodine 125 (I-125)	Procedure	ICD-10-PCS
DU12B8Z	Low Dose Rate (LDR) Brachytherapy of Uterus using Iridium 192 (Ir-192)	Procedure	ICD-10-PCS
DU12BYZ	Low Dose Rate (LDR) Brachytherapy of Uterus using Other Isotope	Procedure	ICD-10-PCS
DU12BBZ	Low Dose Rate (LDR) Brachytherapy of Uterus using Palladium 103 (Pd-103)	Procedure	ICD-10-PCS
DWY3FZZ	Plaque Radiation of Abdomen	Procedure	ICD-10-PCS
D7Y6FZZ	Plaque Radiation of Abdomen Lymphatics	Procedure	ICD-10-PCS
DGY2FZZ	Plaque Radiation of Adrenal Glands	Procedure	ICD-10-PCS
DDY8FZZ	Plaque Radiation of Anus	Procedure	ICD-10-PCS
D7Y4FZZ	Plaque Radiation of Axillary Lymphatics	Procedure	ICD-10-PCS
DFY2FZZ	Plaque Radiation of Bile Ducts	Procedure	ICD-10-PCS
DTY2FZZ	Plaque Radiation of Bladder	Procedure	ICD-10-PCS
D7Y0FZZ	Plaque Radiation of Bone Marrow	Procedure	ICD-10-PCS
D0Y0FZZ	Plaque Radiation of Brain	Procedure	ICD-10-PCS
D0Y1FZZ	Plaque Radiation of Brain Stem	Procedure	ICD-10-PCS
DBY1FZZ	Plaque Radiation of Bronchus	Procedure	ICD-10-PCS
DUY1FZZ	Plaque Radiation of Cervix	Procedure	ICD-10-PCS
DWY2FZZ	Plaque Radiation of Chest	Procedure	ICD-10-PCS
DBY7FZZ	Plaque Radiation of Chest Wall	Procedure	ICD-10-PCS
DDY5FZZ	Plaque Radiation of Colon	Procedure	ICD-10-PCS
DBY8FZZ	Plaque Radiation of Diaphragm	Procedure	ICD-10-PCS
DDY2FZZ	Plaque Radiation of Duodenum	Procedure	ICD-10-PCS
D9Y0FZZ	Plaque Radiation of Ear	Procedure	ICD-10-PCS
DDY0FZZ	Plaque Radiation of Esophagus	Procedure	ICD-10-PCS
D8Y0FZZ	Plaque Radiation of Eye	Procedure	ICD-10-PCS
DPY9FZZ	Plaque Radiation of Femur	Procedure	ICD-10-PCS
DFY1FZZ	Plaque Radiation of Gallbladder	Procedure	ICD-10-PCS
D9Y8FZZ	Plaque Radiation of Hard Palate	Procedure	ICD-10-PCS
DWY1FZZ	Plaque Radiation of Head and Neck	Procedure	ICD-10-PCS
DWY4FZZ	Plaque Radiation of Hemibody	Procedure	ICD-10-PCS
DPY6FZZ	Plaque Radiation of Humerus	Procedure	ICD-10-PCS
DDY4FZZ	Plaque Radiation of Ileum	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D7Y8FZZ	Plaque Radiation of Inguinal Lymphatics	Procedure	ICD-10-PCS
DDY3FZZ	Plaque Radiation of Jejunum	Procedure	ICD-10-PCS
DTY0FZZ	Plaque Radiation of Kidney	Procedure	ICD-10-PCS
D9YBFZZ	Plaque Radiation of Larynx	Procedure	ICD-10-PCS
DMY0FZZ	Plaque Radiation of Left Breast	Procedure	ICD-10-PCS
DFY0FZZ	Plaque Radiation of Liver	Procedure	ICD-10-PCS
DBY2FZZ	Plaque Radiation of Lung	Procedure	ICD-10-PCS
DPY3FZZ	Plaque Radiation of Mandible	Procedure	ICD-10-PCS
DPY2FZZ	Plaque Radiation of Maxilla	Procedure	ICD-10-PCS
DBY6FZZ	Plaque Radiation of Mediastinum	Procedure	ICD-10-PCS
D9Y4FZZ	Plaque Radiation of Mouth	Procedure	ICD-10-PCS
D9YDFZZ	Plaque Radiation of Nasopharynx	Procedure	ICD-10-PCS
D7Y3FZZ	Plaque Radiation of Neck Lymphatics	Procedure	ICD-10-PCS
D9Y1FZZ	Plaque Radiation of Nose	Procedure	ICD-10-PCS
DPYCFZZ	Plaque Radiation of Other Bone	Procedure	ICD-10-PCS
DUY0FZZ	Plaque Radiation of Ovary	Procedure	ICD-10-PCS
DFY3FZZ	Plaque Radiation of Pancreas	Procedure	ICD-10-PCS
DGY4FZZ	Plaque Radiation of Parathyroid Glands	Procedure	ICD-10-PCS
DPY8FZZ	Plaque Radiation of Pelvic Bones	Procedure	ICD-10-PCS
DWY6FZZ	Plaque Radiation of Pelvic Region	Procedure	ICD-10-PCS
D7Y7FZZ	Plaque Radiation of Pelvis Lymphatics	Procedure	ICD-10-PCS
D0Y7FZZ	Plaque Radiation of Peripheral Nerve	Procedure	ICD-10-PCS
D9YCFZZ	Plaque Radiation of Pharynx	Procedure	ICD-10-PCS
DGY1FZZ	Plaque Radiation of Pineal Body	Procedure	ICD-10-PCS
DGY0FZZ	Plaque Radiation of Pituitary Gland	Procedure	ICD-10-PCS
DBY5FZZ	Plaque Radiation of Pleura	Procedure	ICD-10-PCS
DVY0FZZ	Plaque Radiation of Prostate	Procedure	ICD-10-PCS
DPY7FZZ	Plaque Radiation of Radius/Ulna	Procedure	ICD-10-PCS
DDY7FZZ	Plaque Radiation of Rectum	Procedure	ICD-10-PCS
DPY5FZZ	Plaque Radiation of Rib(s)	Procedure	ICD-10-PCS
DMY1FZZ	Plaque Radiation of Right Breast	Procedure	ICD-10-PCS
D9Y6FZZ	Plaque Radiation of Salivary Glands	Procedure	ICD-10-PCS
D9Y7FZZ	Plaque Radiation of Sinuses	Procedure	ICD-10-PCS
DPY0FZZ	Plaque Radiation of Skull	Procedure	ICD-10-PCS
D9Y9FZZ	Plaque Radiation of Soft Palate	Procedure	ICD-10-PCS
D0Y6FZZ	Plaque Radiation of Spinal Cord	Procedure	ICD-10-PCS
D7Y2FZZ	Plaque Radiation of Spleen	Procedure	ICD-10-PCS
DPY4FZZ	Plaque Radiation of Sternum	Procedure	ICD-10-PCS
DDY1FZZ	Plaque Radiation of Stomach	Procedure	ICD-10-PCS
DVY1FZZ	Plaque Radiation of Testis	Procedure	ICD-10-PCS
D7Y5FZZ	Plaque Radiation of Thorax Lymphatics	Procedure	ICD-10-PCS
D7Y1FZZ	Plaque Radiation of Thymus	Procedure	ICD-10-PCS
DGY5FZZ	Plaque Radiation of Thyroid	Procedure	ICD-10-PCS
DPYBFZZ	Plaque Radiation of Tibia/Fibula	Procedure	ICD-10-PCS
D9Y5FZZ	Plaque Radiation of Tongue	Procedure	ICD-10-PCS
DBY0FZZ	Plaque Radiation of Trachea	Procedure	ICD-10-PCS
DTY1FZZ	Plaque Radiation of Ureter	Procedure	ICD-10-PCS
DTY3FZZ	Plaque Radiation of Urethra	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DUY2FZZ	Plaque Radiation of Uterus	Procedure	ICD-10-PCS
DWY5FZZ	Plaque Radiation of Whole Body	Procedure	ICD-10-PCS
3E0Q004	Introduction of Liquid Brachytherapy Radioisotope into Cranial Cavity and Brain, Open	Procedure	ICD-10-PCS
0HHT01Z	Insertion of radioactive element into right breast, open approach	Procedure	ICD-10-PCS
0HHT31Z	Insertion of radioactive element into right breast, percutaneous approach	Procedure	ICD-10-PCS
0HHT71Z	Insertion of radioactive element into right breast, via natural or artificial opening	Procedure	ICD-10-PCS
0HHT81Z	Insertion of radioactive element into right breast, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
0HHTX1Z	Insertion of radioactive element into right breast, external approach	Procedure	ICD-10-PCS
0HHU01Z	Insertion of radioactive element into left breast, open approach	Procedure	ICD-10-PCS
0HHU31Z	Insertion of radioactive element into left breast, percutaneous approach	Procedure	ICD-10-PCS
0HHU71Z	Insertion of radioactive element into left breast, via natural or artificial opening	Procedure	ICD-10-PCS
0HHU81Z	Insertion of radioactive element into left breast, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
0HHUX1Z	Insertion of radioactive element into left breast, external approach	Procedure	ICD-10-PCS
0HHV01Z	Insertion of radioactive element into bilateral breast, open approach	Procedure	ICD-10-PCS
0HHV31Z	Insertion of radioactive element into bilateral breast, percutaneous approach	Procedure	ICD-10-PCS
0HHV71Z	Insertion of radioactive element into bilateral breast, via natural or artificial opening	Procedure	ICD-10-PCS
0HHV81Z	Insertion of radioactive element into bilateral breast, via natural or artificial opening	Procedure	ICD-10-PCS
0HHVX1Z	Insertion of radioactive element into bilateral breast, external approach	Procedure	ICD-10-PCS
0HHW01Z	Insertion of radioactive element into right nipple, open approach	Procedure	ICD-10-PCS
0HHW31Z	Insertion of radioactive element into right nipple, percutaneous approach	Procedure	ICD-10-PCS
0HHW71Z	Insertion of radioactive element into right nipple, via natural or artificial opening	Procedure	ICD-10-PCS
0HHW81Z	Insertion of radioactive element into right nipple, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
0HHWX1Z	Insertion of radioactive element into right nipple, external approach	Procedure	ICD-10-PCS
0HHX01Z	Insertion of radioactive element into left nipple, open approach	Procedure	ICD-10-PCS
0HHX31Z	Insertion of radioactive element into left nipple, percutaneous approach	Procedure	ICD-10-PCS
0HHX71Z	Insertion of radioactive element into left nipple, via natural or artificial opening	Procedure	ICD-10-PCS
0HHX81Z	Insertion of radioactive element into left nipple, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
0HHXX1Z	Insertion of radioactive element into left nipple, external approach	Procedure	ICD-10-PCS
3E0Y304	Introduction of liquid brachytherapy radioisotope into pericardial cavity, percutaneous	Procedure	ICD-10-PCS
3E0Y704	Introduction of liquid brachytherapy radioisotope into pericardial cavity, via natural or	Procedure	ICD-10-PCS
3E0U304	Introduction of liquid brachytherapy radioisotope into joints, percutaneous approach	Procedure	ICD-10-PCS
3E0S304	Introduction of liquid brachytherapy radioisotope into epidural space, percutaneous	Procedure	ICD-10-PCS
3E0R304	Introduction of liquid brachytherapy radioisotope into spinal canal, percutaneous approach	Procedure	ICD-10-PCS
3E0Q304	Introduction of liquid brachytherapy radioisotope into cranial cavity and brain,	Procedure	ICD-10-PCS
D7063ZZ	Beam Radiation of Abdomen Lymphatics using Electrons	Procedure	ICD-10-PCS
D7064ZZ	Beam Radiation of Abdomen Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7065ZZ	Beam Radiation of Abdomen Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7060ZZ	Beam Radiation of Abdomen Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
DW033ZZ	Beam Radiation of Abdomen using Electrons	Procedure	ICD-10-PCS
DW034ZZ	Beam Radiation of Abdomen using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW035ZZ	Beam Radiation of Abdomen using Neutrons	Procedure	ICD-10-PCS
DW030ZZ	Beam Radiation of Abdomen using Photons <1 MeV	Procedure	ICD-10-PCS
DG023ZZ	Beam Radiation of Adrenal Glands using Electrons	Procedure	ICD-10-PCS
DG025ZZ	Beam Radiation of Adrenal Glands using Neutrons	Procedure	ICD-10-PCS
DG020ZZ	Beam Radiation of Adrenal Glands using Photons <1 MeV	Procedure	ICD-10-PCS
D7043ZZ	Beam Radiation of Axillary Lymphatics using Electrons	Procedure	ICD-10-PCS
D7044ZZ	Beam Radiation of Axillary Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7045ZZ	Beam Radiation of Axillary Lymphatics using Neutrons	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D7040ZZ	Beam Radiation of Axillary Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
DF023ZZ	Beam Radiation of Bile Ducts using Electrons	Procedure	ICD-10-PCS
DF024ZZ	Beam Radiation of Bile Ducts using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF025ZZ	Beam Radiation of Bile Ducts using Neutrons	Procedure	ICD-10-PCS
DF020ZZ	Beam Radiation of Bile Ducts using Photons <1 MeV	Procedure	ICD-10-PCS
DT023ZZ	Beam Radiation of Bladder using Electrons	Procedure	ICD-10-PCS
DT024ZZ	Beam Radiation of Bladder using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT025ZZ	Beam Radiation of Bladder using Neutrons	Procedure	ICD-10-PCS
DT020ZZ	Beam Radiation of Bladder using Photons <1 MeV	Procedure	ICD-10-PCS
D7003ZZ	Beam Radiation of Bone Marrow using Electrons	Procedure	ICD-10-PCS
D7004ZZ	Beam Radiation of Bone Marrow using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7005ZZ	Beam Radiation of Bone Marrow using Neutrons	Procedure	ICD-10-PCS
D7000ZZ	Beam Radiation of Bone Marrow using Photons <1 MeV	Procedure	ICD-10-PCS
D0013ZZ	Beam Radiation of Brain Stem using Electrons	Procedure	ICD-10-PCS
D0014ZZ	Beam Radiation of Brain Stem using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0015ZZ	Beam Radiation of Brain Stem using Neutrons	Procedure	ICD-10-PCS
D0010ZZ	Beam Radiation of Brain Stem using Photons <1 MeV	Procedure	ICD-10-PCS
D0003ZZ	Beam Radiation of Brain using Electrons	Procedure	ICD-10-PCS
D0004ZZ	Beam Radiation of Brain using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0005ZZ	Beam Radiation of Brain using Neutrons	Procedure	ICD-10-PCS
D0000ZZ	Beam Radiation of Brain using Photons <1 MeV	Procedure	ICD-10-PCS
DB013ZZ	Beam Radiation of Bronchus using Electrons	Procedure	ICD-10-PCS
DB014ZZ	Beam Radiation of Bronchus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB015ZZ	Beam Radiation of Bronchus using Neutrons	Procedure	ICD-10-PCS
DB010ZZ	Beam Radiation of Bronchus using Photons <1 MeV	Procedure	ICD-10-PCS
DU013ZZ	Beam Radiation of Cervix using Electrons	Procedure	ICD-10-PCS
DU014ZZ	Beam Radiation of Cervix using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU015ZZ	Beam Radiation of Cervix using Neutrons	Procedure	ICD-10-PCS
DU010ZZ	Beam Radiation of Cervix using Photons <1 MeV	Procedure	ICD-10-PCS
DW023ZZ	Beam Radiation of Chest using Electrons	Procedure	ICD-10-PCS
DW024ZZ	Beam Radiation of Chest using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW025ZZ	Beam Radiation of Chest using Neutrons	Procedure	ICD-10-PCS
DW020ZZ	Beam Radiation of Chest using Photons <1 MeV	Procedure	ICD-10-PCS
DB073ZZ	Beam Radiation of Chest Wall using Electrons	Procedure	ICD-10-PCS
DB074ZZ	Beam Radiation of Chest Wall using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB075ZZ	Beam Radiation of Chest Wall using Neutrons	Procedure	ICD-10-PCS
DB070ZZ	Beam Radiation of Chest Wall using Photons <1 MeV	Procedure	ICD-10-PCS
DD053ZZ	Beam Radiation of Colon using Electrons	Procedure	ICD-10-PCS
DD054ZZ	Beam Radiation of Colon using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD055ZZ	Beam Radiation of Colon using Neutrons	Procedure	ICD-10-PCS
DD050ZZ	Beam Radiation of Colon using Photons <1 MeV	Procedure	ICD-10-PCS
DB083ZZ	Beam Radiation of Diaphragm using Electrons	Procedure	ICD-10-PCS
DB084ZZ	Beam Radiation of Diaphragm using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB085ZZ	Beam Radiation of Diaphragm using Neutrons	Procedure	ICD-10-PCS
DB080ZZ	Beam Radiation of Diaphragm using Photons <1 MeV	Procedure	ICD-10-PCS
DD023ZZ	Beam Radiation of Duodenum using Electrons	Procedure	ICD-10-PCS
DD024ZZ	Beam Radiation of Duodenum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD025ZZ	Beam Radiation of Duodenum using Neutrons	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DD020ZZ	Beam Radiation of Duodenum using Photons <1 MeV	Procedure	ICD-10-PCS
D9003ZZ	Beam Radiation of Ear using Electrons	Procedure	ICD-10-PCS
D9004ZZ	Beam Radiation of Ear using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9005ZZ	Beam Radiation of Ear using Neutrons	Procedure	ICD-10-PCS
D9000ZZ	Beam Radiation of Ear using Photons <1 MeV	Procedure	ICD-10-PCS
DD003ZZ	Beam Radiation of Esophagus using Electrons	Procedure	ICD-10-PCS
DD004ZZ	Beam Radiation of Esophagus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD005ZZ	Beam Radiation of Esophagus using Neutrons	Procedure	ICD-10-PCS
DD000ZZ	Beam Radiation of Esophagus using Photons <1 MeV	Procedure	ICD-10-PCS
D8003ZZ	Beam Radiation of Eye using Electrons	Procedure	ICD-10-PCS
D8004ZZ	Beam Radiation of Eye using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D8005ZZ	Beam Radiation of Eye using Neutrons	Procedure	ICD-10-PCS
D8000ZZ	Beam Radiation of Eye using Photons <1 MeV	Procedure	ICD-10-PCS
DP093ZZ	Beam Radiation of Femur using Electrons	Procedure	ICD-10-PCS
DP094ZZ	Beam Radiation of Femur using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP095ZZ	Beam Radiation of Femur using Neutrons	Procedure	ICD-10-PCS
DP090ZZ	Beam Radiation of Femur using Photons <1 MeV	Procedure	ICD-10-PCS
DF013ZZ	Beam Radiation of Gallbladder using Electrons	Procedure	ICD-10-PCS
DF014ZZ	Beam Radiation of Gallbladder using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF015ZZ	Beam Radiation of Gallbladder using Neutrons	Procedure	ICD-10-PCS
DF010ZZ	Beam Radiation of Gallbladder using Photons <1 MeV	Procedure	ICD-10-PCS
D9083ZZ	Beam Radiation of Hard Palate using Electrons	Procedure	ICD-10-PCS
D9084ZZ	Beam Radiation of Hard Palate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9085ZZ	Beam Radiation of Hard Palate using Neutrons	Procedure	ICD-10-PCS
D9080ZZ	Beam Radiation of Hard Palate using Photons <1 MeV	Procedure	ICD-10-PCS
DW013ZZ	Beam Radiation of Head and Neck using Electrons	Procedure	ICD-10-PCS
DW014ZZ	Beam Radiation of Head and Neck using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW015ZZ	Beam Radiation of Head and Neck using Neutrons	Procedure	ICD-10-PCS
DW010ZZ	Beam Radiation of Head and Neck using Photons <1 MeV	Procedure	ICD-10-PCS
DW043ZZ	Beam Radiation of Hemibody using Electrons	Procedure	ICD-10-PCS
DW044ZZ	Beam Radiation of Hemibody using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW045ZZ	Beam Radiation of Hemibody using Neutrons	Procedure	ICD-10-PCS
DW040ZZ	Beam Radiation of Hemibody using Photons <1 MeV	Procedure	ICD-10-PCS
DP063ZZ	Beam Radiation of Humerus using Electrons	Procedure	ICD-10-PCS
DP064ZZ	Beam Radiation of Humerus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP065ZZ	Beam Radiation of Humerus using Neutrons	Procedure	ICD-10-PCS
DP060ZZ	Beam Radiation of Humerus using Photons <1 MeV	Procedure	ICD-10-PCS
D9033ZZ	Beam Radiation of Hypopharynx using Electrons	Procedure	ICD-10-PCS
D9034ZZ	Beam Radiation of Hypopharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9035ZZ	Beam Radiation of Hypopharynx using Neutrons	Procedure	ICD-10-PCS
D9030ZZ	Beam Radiation of Hypopharynx using Photons <1 MeV	Procedure	ICD-10-PCS
DD043ZZ	Beam Radiation of Ileum using Electrons	Procedure	ICD-10-PCS
DD044ZZ	Beam Radiation of Ileum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD045ZZ	Beam Radiation of Ileum using Neutrons	Procedure	ICD-10-PCS
DD040ZZ	Beam Radiation of Ileum using Photons <1 MeV	Procedure	ICD-10-PCS
D7083ZZ	Beam Radiation of Inguinal Lymphatics using Electrons	Procedure	ICD-10-PCS
D7084ZZ	Beam Radiation of Inguinal Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7085ZZ	Beam Radiation of Inguinal Lymphatics using Neutrons	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D7080ZZ	Beam Radiation of Inguinal Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
DD033ZZ	Beam Radiation of Jejunum using Electrons	Procedure	ICD-10-PCS
DD034ZZ	Beam Radiation of Jejunum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD035ZZ	Beam Radiation of Jejunum using Neutrons	Procedure	ICD-10-PCS
DD030ZZ	Beam Radiation of Jejunum using Photons <1 MeV	Procedure	ICD-10-PCS
DT003ZZ	Beam Radiation of Kidney using Electrons	Procedure	ICD-10-PCS
DT004ZZ	Beam Radiation of Kidney using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT005ZZ	Beam Radiation of Kidney using Neutrons	Procedure	ICD-10-PCS
DT000ZZ	Beam Radiation of Kidney using Photons <1 MeV	Procedure	ICD-10-PCS
D90B3ZZ	Beam Radiation of Larynx using Electrons	Procedure	ICD-10-PCS
D90B4ZZ	Beam Radiation of Larynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90B5ZZ	Beam Radiation of Larynx using Neutrons	Procedure	ICD-10-PCS
D90B0ZZ	Beam Radiation of Larynx using Photons <1 MeV	Procedure	ICD-10-PCS
DM003ZZ	Beam Radiation of Left Breast using Electrons	Procedure	ICD-10-PCS
DM004ZZ	Beam Radiation of Left Breast using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DM005ZZ	Beam Radiation of Left Breast using Neutrons	Procedure	ICD-10-PCS
DM000ZZ	Beam Radiation of Left Breast using Photons <1 MeV	Procedure	ICD-10-PCS
DF003ZZ	Beam Radiation of Liver using Electrons	Procedure	ICD-10-PCS
DF004ZZ	Beam Radiation of Liver using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF005ZZ	Beam Radiation of Liver using Neutrons	Procedure	ICD-10-PCS
DF000ZZ	Beam Radiation of Liver using Photons <1 MeV	Procedure	ICD-10-PCS
DB023ZZ	Beam Radiation of Lung using Electrons	Procedure	ICD-10-PCS
DB024ZZ	Beam Radiation of Lung using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB025ZZ	Beam Radiation of Lung using Neutrons	Procedure	ICD-10-PCS
DB020ZZ	Beam Radiation of Lung using Photons <1 MeV	Procedure	ICD-10-PCS
DP033ZZ	Beam Radiation of Mandible using Electrons	Procedure	ICD-10-PCS
DP034ZZ	Beam Radiation of Mandible using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP035ZZ	Beam Radiation of Mandible using Neutrons	Procedure	ICD-10-PCS
DP030ZZ	Beam Radiation of Mandible using Photons <1 MeV	Procedure	ICD-10-PCS
DP023ZZ	Beam Radiation of Maxilla using Electrons	Procedure	ICD-10-PCS
DP024ZZ	Beam Radiation of Maxilla using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP025ZZ	Beam Radiation of Maxilla using Neutrons	Procedure	ICD-10-PCS
DP020ZZ	Beam Radiation of Maxilla using Photons <1 MeV	Procedure	ICD-10-PCS
DB063ZZ	Beam Radiation of Mediastinum using Electrons	Procedure	ICD-10-PCS
DB064ZZ	Beam Radiation of Mediastinum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB065ZZ	Beam Radiation of Mediastinum using Neutrons	Procedure	ICD-10-PCS
DB060ZZ	Beam Radiation of Mediastinum using Photons <1 MeV	Procedure	ICD-10-PCS
D9043ZZ	Beam Radiation of Mouth using Electrons	Procedure	ICD-10-PCS
D9044ZZ	Beam Radiation of Mouth using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9045ZZ	Beam Radiation of Mouth using Neutrons	Procedure	ICD-10-PCS
D9040ZZ	Beam Radiation of Mouth using Photons <1 MeV	Procedure	ICD-10-PCS
D90D3ZZ	Beam Radiation of Nasopharynx using Electrons	Procedure	ICD-10-PCS
D90D4ZZ	Beam Radiation of Nasopharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90D5ZZ	Beam Radiation of Nasopharynx using Neutrons	Procedure	ICD-10-PCS
D90D0ZZ	Beam Radiation of Nasopharynx using Photons <1 MeV	Procedure	ICD-10-PCS
D7033ZZ	Beam Radiation of Neck Lymphatics using Electrons	Procedure	ICD-10-PCS
D7034ZZ	Beam Radiation of Neck Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7035ZZ	Beam Radiation of Neck Lymphatics using Neutrons	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D7030ZZ	Beam Radiation of Neck Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D9013ZZ	Beam Radiation of Nose using Electrons	Procedure	ICD-10-PCS
D9014ZZ	Beam Radiation of Nose using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9015ZZ	Beam Radiation of Nose using Neutrons	Procedure	ICD-10-PCS
D9010ZZ	Beam Radiation of Nose using Photons <1 MeV	Procedure	ICD-10-PCS
D90F3ZZ	Beam Radiation of Oropharynx using Electrons	Procedure	ICD-10-PCS
D90F4ZZ	Beam Radiation of Oropharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90F5ZZ	Beam Radiation of Oropharynx using Neutrons	Procedure	ICD-10-PCS
D90F0ZZ	Beam Radiation of Oropharynx using Photons <1 MeV	Procedure	ICD-10-PCS
DPOC3ZZ	Beam Radiation of Other Bone using Electrons	Procedure	ICD-10-PCS
DPOC4ZZ	Beam Radiation of Other Bone using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DPOC5ZZ	Beam Radiation of Other Bone using Neutrons	Procedure	ICD-10-PCS
DPOC0ZZ	Beam Radiation of Other Bone using Photons <1 MeV	Procedure	ICD-10-PCS
DU003ZZ	Beam Radiation of Ovary using Electrons	Procedure	ICD-10-PCS
DU004ZZ	Beam Radiation of Ovary using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU005ZZ	Beam Radiation of Ovary using Neutrons	Procedure	ICD-10-PCS
DU000ZZ	Beam Radiation of Ovary using Photons <1 MeV	Procedure	ICD-10-PCS
DF033ZZ	Beam Radiation of Pancreas using Electrons	Procedure	ICD-10-PCS
DF034ZZ	Beam Radiation of Pancreas using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF035ZZ	Beam Radiation of Pancreas using Neutrons	Procedure	ICD-10-PCS
DF030ZZ	Beam Radiation of Pancreas using Photons <1 MeV	Procedure	ICD-10-PCS
DG043ZZ	Beam Radiation of Parathyroid Glands using Electrons	Procedure	ICD-10-PCS
DG045ZZ	Beam Radiation of Parathyroid Glands using Neutrons	Procedure	ICD-10-PCS
DG040ZZ	Beam Radiation of Parathyroid Glands using Photons <1 MeV	Procedure	ICD-10-PCS
DP083ZZ	Beam Radiation of Pelvic Bones using Electrons	Procedure	ICD-10-PCS
DP084ZZ	Beam Radiation of Pelvic Bones using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP085ZZ	Beam Radiation of Pelvic Bones using Neutrons	Procedure	ICD-10-PCS
DP080ZZ	Beam Radiation of Pelvic Bones using Photons <1 MeV	Procedure	ICD-10-PCS
DW063ZZ	Beam Radiation of Pelvic Region using Electrons	Procedure	ICD-10-PCS
DW064ZZ	Beam Radiation of Pelvic Region using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW065ZZ	Beam Radiation of Pelvic Region using Neutrons	Procedure	ICD-10-PCS
DW060ZZ	Beam Radiation of Pelvic Region using Photons <1 MeV	Procedure	ICD-10-PCS
D7073ZZ	Beam Radiation of Pelvis Lymphatics using Electrons	Procedure	ICD-10-PCS
D7074ZZ	Beam Radiation of Pelvis Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7075ZZ	Beam Radiation of Pelvis Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7070ZZ	Beam Radiation of Pelvis Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D0073ZZ	Beam Radiation of Peripheral Nerve using Electrons	Procedure	ICD-10-PCS
D0074ZZ	Beam Radiation of Peripheral Nerve using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0075ZZ	Beam Radiation of Peripheral Nerve using Neutrons	Procedure	ICD-10-PCS
D0070ZZ	Beam Radiation of Peripheral Nerve using Photons <1 MeV	Procedure	ICD-10-PCS
DG013ZZ	Beam Radiation of Pineal Body using Electrons	Procedure	ICD-10-PCS
DG015ZZ	Beam Radiation of Pineal Body using Neutrons	Procedure	ICD-10-PCS
DG010ZZ	Beam Radiation of Pineal Body using Photons <1 MeV	Procedure	ICD-10-PCS
DG003ZZ	Beam Radiation of Pituitary Gland using Electrons	Procedure	ICD-10-PCS
DG005ZZ	Beam Radiation of Pituitary Gland using Neutrons	Procedure	ICD-10-PCS
DG000ZZ	Beam Radiation of Pituitary Gland using Photons <1 MeV	Procedure	ICD-10-PCS
DB053ZZ	Beam Radiation of Pleura using Electrons	Procedure	ICD-10-PCS
DB054ZZ	Beam Radiation of Pleura using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DB055ZZ	Beam Radiation of Pleura using Neutrons	Procedure	ICD-10-PCS
DB050ZZ	Beam Radiation of Pleura using Photons <1 MeV	Procedure	ICD-10-PCS
DV003ZZ	Beam Radiation of Prostate using Electrons	Procedure	ICD-10-PCS
DV004ZZ	Beam Radiation of Prostate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DV005ZZ	Beam Radiation of Prostate using Neutrons	Procedure	ICD-10-PCS
DV000ZZ	Beam Radiation of Prostate using Photons <1 MeV	Procedure	ICD-10-PCS
DP073ZZ	Beam Radiation of Radius/Ulna using Electrons	Procedure	ICD-10-PCS
DP074ZZ	Beam Radiation of Radius/Ulna using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP075ZZ	Beam Radiation of Radius/Ulna using Neutrons	Procedure	ICD-10-PCS
DP070ZZ	Beam Radiation of Radius/Ulna using Photons <1 MeV	Procedure	ICD-10-PCS
DD073ZZ	Beam Radiation of Rectum using Electrons	Procedure	ICD-10-PCS
DD074ZZ	Beam Radiation of Rectum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD075ZZ	Beam Radiation of Rectum using Neutrons	Procedure	ICD-10-PCS
DD070ZZ	Beam Radiation of Rectum using Photons <1 MeV	Procedure	ICD-10-PCS
DP053ZZ	Beam Radiation of Rib(s) using Electrons	Procedure	ICD-10-PCS
DP054ZZ	Beam Radiation of Rib(s) using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP055ZZ	Beam Radiation of Rib(s) using Neutrons	Procedure	ICD-10-PCS
DP050ZZ	Beam Radiation of Rib(s) using Photons <1 MeV	Procedure	ICD-10-PCS
DM013ZZ	Beam Radiation of Right Breast using Electrons	Procedure	ICD-10-PCS
DM014ZZ	Beam Radiation of Right Breast using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DM015ZZ	Beam Radiation of Right Breast using Neutrons	Procedure	ICD-10-PCS
DM010ZZ	Beam Radiation of Right Breast using Photons <1 MeV	Procedure	ICD-10-PCS
D9063ZZ	Beam Radiation of Salivary Glands using Electrons	Procedure	ICD-10-PCS
D9064ZZ	Beam Radiation of Salivary Glands using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9065ZZ	Beam Radiation of Salivary Glands using Neutrons	Procedure	ICD-10-PCS
D9060ZZ	Beam Radiation of Salivary Glands using Photons <1 MeV	Procedure	ICD-10-PCS
D9073ZZ	Beam Radiation of Sinuses using Electrons	Procedure	ICD-10-PCS
D9074ZZ	Beam Radiation of Sinuses using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9075ZZ	Beam Radiation of Sinuses using Neutrons	Procedure	ICD-10-PCS
D9070ZZ	Beam Radiation of Sinuses using Photons <1 MeV	Procedure	ICD-10-PCS
DP003ZZ	Beam Radiation of Skull using Electrons	Procedure	ICD-10-PCS
DP004ZZ	Beam Radiation of Skull using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP005ZZ	Beam Radiation of Skull using Neutrons	Procedure	ICD-10-PCS
DP000ZZ	Beam Radiation of Skull using Photons <1 MeV	Procedure	ICD-10-PCS
D9093ZZ	Beam Radiation of Soft Palate using Electrons	Procedure	ICD-10-PCS
D9094ZZ	Beam Radiation of Soft Palate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9095ZZ	Beam Radiation of Soft Palate using Neutrons	Procedure	ICD-10-PCS
D9090ZZ	Beam Radiation of Soft Palate using Photons <1 MeV	Procedure	ICD-10-PCS
D0063ZZ	Beam Radiation of Spinal Cord using Electrons	Procedure	ICD-10-PCS
D0064ZZ	Beam Radiation of Spinal Cord using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0065ZZ	Beam Radiation of Spinal Cord using Neutrons	Procedure	ICD-10-PCS
D0060ZZ	Beam Radiation of Spinal Cord using Photons <1 MeV	Procedure	ICD-10-PCS
D7023ZZ	Beam Radiation of Spleen using Electrons	Procedure	ICD-10-PCS
D7024ZZ	Beam Radiation of Spleen using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7025ZZ	Beam Radiation of Spleen using Neutrons	Procedure	ICD-10-PCS
D7020ZZ	Beam Radiation of Spleen using Photons <1 MeV	Procedure	ICD-10-PCS
DP043ZZ	Beam Radiation of Sternum using Electrons	Procedure	ICD-10-PCS
DP044ZZ	Beam Radiation of Sternum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DP045ZZ	Beam Radiation of Sternum using Neutrons	Procedure	ICD-10-PCS
DP040ZZ	Beam Radiation of Sternum using Photons <1 MeV	Procedure	ICD-10-PCS
DD013ZZ	Beam Radiation of Stomach using Electrons	Procedure	ICD-10-PCS
DD014ZZ	Beam Radiation of Stomach using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD015ZZ	Beam Radiation of Stomach using Neutrons	Procedure	ICD-10-PCS
DD010ZZ	Beam Radiation of Stomach using Photons <1 MeV	Procedure	ICD-10-PCS
DV013ZZ	Beam Radiation of Testis using Electrons	Procedure	ICD-10-PCS
DV014ZZ	Beam Radiation of Testis using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DV015ZZ	Beam Radiation of Testis using Neutrons	Procedure	ICD-10-PCS
DV010ZZ	Beam Radiation of Testis using Photons <1 MeV	Procedure	ICD-10-PCS
D7053ZZ	Beam Radiation of Thorax Lymphatics using Electrons	Procedure	ICD-10-PCS
D7054ZZ	Beam Radiation of Thorax Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7055ZZ	Beam Radiation of Thorax Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7050ZZ	Beam Radiation of Thorax Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7013ZZ	Beam Radiation of Thymus using Electrons	Procedure	ICD-10-PCS
D7014ZZ	Beam Radiation of Thymus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7015ZZ	Beam Radiation of Thymus using Neutrons	Procedure	ICD-10-PCS
D7010ZZ	Beam Radiation of Thymus using Photons <1 MeV	Procedure	ICD-10-PCS
DG053ZZ	Beam Radiation of Thyroid using Electrons	Procedure	ICD-10-PCS
DG055ZZ	Beam Radiation of Thyroid using Neutrons	Procedure	ICD-10-PCS
DG050ZZ	Beam Radiation of Thyroid using Photons <1 MeV	Procedure	ICD-10-PCS
DP0B3ZZ	Beam Radiation of Tibia/Fibula using Electrons	Procedure	ICD-10-PCS
DP0B4ZZ	Beam Radiation of Tibia/Fibula using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP0B5ZZ	Beam Radiation of Tibia/Fibula using Neutrons	Procedure	ICD-10-PCS
DP0B0ZZ	Beam Radiation of Tibia/Fibula using Photons <1 MeV	Procedure	ICD-10-PCS
D9053ZZ	Beam Radiation of Tongue using Electrons	Procedure	ICD-10-PCS
D9054ZZ	Beam Radiation of Tongue using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9055ZZ	Beam Radiation of Tongue using Neutrons	Procedure	ICD-10-PCS
D9050ZZ	Beam Radiation of Tongue using Photons <1 MeV	Procedure	ICD-10-PCS
DB003ZZ	Beam Radiation of Trachea using Electrons	Procedure	ICD-10-PCS
DB004ZZ	Beam Radiation of Trachea using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB005ZZ	Beam Radiation of Trachea using Neutrons	Procedure	ICD-10-PCS
DB000ZZ	Beam Radiation of Trachea using Photons <1 MeV	Procedure	ICD-10-PCS
DT013ZZ	Beam Radiation of Ureter using Electrons	Procedure	ICD-10-PCS
DT014ZZ	Beam Radiation of Ureter using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT015ZZ	Beam Radiation of Ureter using Neutrons	Procedure	ICD-10-PCS
DT010ZZ	Beam Radiation of Ureter using Photons <1 MeV	Procedure	ICD-10-PCS
DT033ZZ	Beam Radiation of Urethra using Electrons	Procedure	ICD-10-PCS
DT034ZZ	Beam Radiation of Urethra using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT035ZZ	Beam Radiation of Urethra using Neutrons	Procedure	ICD-10-PCS
DT030ZZ	Beam Radiation of Urethra using Photons <1 MeV	Procedure	ICD-10-PCS
DU023ZZ	Beam Radiation of Uterus using Electrons	Procedure	ICD-10-PCS
DU024ZZ	Beam Radiation of Uterus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU025ZZ	Beam Radiation of Uterus using Neutrons	Procedure	ICD-10-PCS
DU020ZZ	Beam Radiation of Uterus using Photons <1 MeV	Procedure	ICD-10-PCS
DW053ZZ	Beam Radiation of Whole Body using Electrons	Procedure	ICD-10-PCS
DW054ZZ	Beam Radiation of Whole Body using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW055ZZ	Beam Radiation of Whole Body using Neutrons	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DW050ZZ	Beam Radiation of Whole Body using Photons <1 MeV	Procedure	ICD-10-PCS
DWY37ZZ	Contact Radiation of Abdomen	Procedure	ICD-10-PCS
DGY27ZZ	Contact Radiation of Adrenal Glands	Procedure	ICD-10-PCS
DFY27ZZ	Contact Radiation of Bile Ducts	Procedure	ICD-10-PCS
DTY27ZZ	Contact Radiation of Bladder	Procedure	ICD-10-PCS
D0Y07ZZ	Contact Radiation of Brain	Procedure	ICD-10-PCS
D0Y17ZZ	Contact Radiation of Brain Stem	Procedure	ICD-10-PCS
DBY17ZZ	Contact Radiation of Bronchus	Procedure	ICD-10-PCS
DUY17ZZ	Contact Radiation of Cervix	Procedure	ICD-10-PCS
DWY27ZZ	Contact Radiation of Chest	Procedure	ICD-10-PCS
DBY77ZZ	Contact Radiation of Chest Wall	Procedure	ICD-10-PCS
DDY57ZZ	Contact Radiation of Colon	Procedure	ICD-10-PCS
DBY87ZZ	Contact Radiation of Diaphragm	Procedure	ICD-10-PCS
DDY27ZZ	Contact Radiation of Duodenum	Procedure	ICD-10-PCS
D9Y07ZZ	Contact Radiation of Ear	Procedure	ICD-10-PCS
DDY07ZZ	Contact Radiation of Esophagus	Procedure	ICD-10-PCS
D8Y07ZZ	Contact Radiation of Eye	Procedure	ICD-10-PCS
DPY97ZZ	Contact Radiation of Femur	Procedure	ICD-10-PCS
DFY17ZZ	Contact Radiation of Gallbladder	Procedure	ICD-10-PCS
D9Y87ZZ	Contact Radiation of Hard Palate	Procedure	ICD-10-PCS
DWY17ZZ	Contact Radiation of Head and Neck	Procedure	ICD-10-PCS
DWY47ZZ	Contact Radiation of Hemibody	Procedure	ICD-10-PCS
DPY67ZZ	Contact Radiation of Humerus	Procedure	ICD-10-PCS
D9Y37ZZ	Contact Radiation of Hypopharynx	Procedure	ICD-10-PCS
DDY47ZZ	Contact Radiation of Ileum	Procedure	ICD-10-PCS
DDY37ZZ	Contact Radiation of Jejunum	Procedure	ICD-10-PCS
DTY07ZZ	Contact Radiation of Kidney	Procedure	ICD-10-PCS
D9YB7ZZ	Contact Radiation of Larynx	Procedure	ICD-10-PCS
DMY07ZZ	Contact Radiation of Left Breast	Procedure	ICD-10-PCS
DFY07ZZ	Contact Radiation of Liver	Procedure	ICD-10-PCS
DBY27ZZ	Contact Radiation of Lung	Procedure	ICD-10-PCS
DPY37ZZ	Contact Radiation of Mandible	Procedure	ICD-10-PCS
DPY27ZZ	Contact Radiation of Maxilla	Procedure	ICD-10-PCS
DBY67ZZ	Contact Radiation of Mediastinum	Procedure	ICD-10-PCS
D9Y47ZZ	Contact Radiation of Mouth	Procedure	ICD-10-PCS
D9YD7ZZ	Contact Radiation of Nasopharynx	Procedure	ICD-10-PCS
D9Y17ZZ	Contact Radiation of Nose	Procedure	ICD-10-PCS
D9YF7ZZ	Contact Radiation of Oropharynx	Procedure	ICD-10-PCS
DPYC7ZZ	Contact Radiation of Other Bone	Procedure	ICD-10-PCS
DUY07ZZ	Contact Radiation of Ovary	Procedure	ICD-10-PCS
DFY37ZZ	Contact Radiation of Pancreas	Procedure	ICD-10-PCS
DGY47ZZ	Contact Radiation of Parathyroid Glands	Procedure	ICD-10-PCS
DPY87ZZ	Contact Radiation of Pelvic Bones	Procedure	ICD-10-PCS
DWY67ZZ	Contact Radiation of Pelvic Region	Procedure	ICD-10-PCS
D0Y77ZZ	Contact Radiation of Peripheral Nerve	Procedure	ICD-10-PCS
DGY17ZZ	Contact Radiation of Pineal Body	Procedure	ICD-10-PCS
DGY07ZZ	Contact Radiation of Pituitary Gland	Procedure	ICD-10-PCS
DBY57ZZ	Contact Radiation of Pleura	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DVY07ZZ	Contact Radiation of Prostate	Procedure	ICD-10-PCS
DPY77ZZ	Contact Radiation of Radius/Ulna	Procedure	ICD-10-PCS
DDY77ZZ	Contact Radiation of Rectum	Procedure	ICD-10-PCS
DPY57ZZ	Contact Radiation of Rib(s)	Procedure	ICD-10-PCS
DMY17ZZ	Contact Radiation of Right Breast	Procedure	ICD-10-PCS
D9Y67ZZ	Contact Radiation of Salivary Glands	Procedure	ICD-10-PCS
D9Y77ZZ	Contact Radiation of Sinuses	Procedure	ICD-10-PCS
DPY07ZZ	Contact Radiation of Skull	Procedure	ICD-10-PCS
D9Y97ZZ	Contact Radiation of Soft Palate	Procedure	ICD-10-PCS
D0Y67ZZ	Contact Radiation of Spinal Cord	Procedure	ICD-10-PCS
DPY47ZZ	Contact Radiation of Sternum	Procedure	ICD-10-PCS
DDY17ZZ	Contact Radiation of Stomach	Procedure	ICD-10-PCS
DVY17ZZ	Contact Radiation of Testis	Procedure	ICD-10-PCS
DGY57ZZ	Contact Radiation of Thyroid	Procedure	ICD-10-PCS
DPYB7ZZ	Contact Radiation of Tibia/Fibula	Procedure	ICD-10-PCS
D9Y57ZZ	Contact Radiation of Tongue	Procedure	ICD-10-PCS
DBY07ZZ	Contact Radiation of Trachea	Procedure	ICD-10-PCS
DTY17ZZ	Contact Radiation of Ureter	Procedure	ICD-10-PCS
DTY37ZZ	Contact Radiation of Urethra	Procedure	ICD-10-PCS
DUY27ZZ	Contact Radiation of Uterus	Procedure	ICD-10-PCS
DWY57ZZ	Contact Radiation of Whole Body	Procedure	ICD-10-PCS
DDY8CZZ	Intraoperative Radiation Therapy (IORT) of Anus	Procedure	ICD-10-PCS
DFY2CZZ	Intraoperative Radiation Therapy (IORT) of Bile Ducts	Procedure	ICD-10-PCS
DTY2CZZ	Intraoperative Radiation Therapy (IORT) of Bladder	Procedure	ICD-10-PCS
DUY1CZZ	Intraoperative Radiation Therapy (IORT) of Cervix	Procedure	ICD-10-PCS
DDY5CZZ	Intraoperative Radiation Therapy (IORT) of Colon	Procedure	ICD-10-PCS
DDY2CZZ	Intraoperative Radiation Therapy (IORT) of Duodenum	Procedure	ICD-10-PCS
DFY1CZZ	Intraoperative Radiation Therapy (IORT) of Gallbladder	Procedure	ICD-10-PCS
DDY4CZZ	Intraoperative Radiation Therapy (IORT) of Ileum	Procedure	ICD-10-PCS
DDY3CZZ	Intraoperative Radiation Therapy (IORT) of Jejunum	Procedure	ICD-10-PCS
DTY0CZZ	Intraoperative Radiation Therapy (IORT) of Kidney	Procedure	ICD-10-PCS
D9YBCZZ	Intraoperative Radiation Therapy (IORT) of Larynx	Procedure	ICD-10-PCS
DFY0CZZ	Intraoperative Radiation Therapy (IORT) of Liver	Procedure	ICD-10-PCS
D9Y4CZZ	Intraoperative Radiation Therapy (IORT) of Mouth	Procedure	ICD-10-PCS
D9YDCZZ	Intraoperative Radiation Therapy (IORT) of Nasopharynx	Procedure	ICD-10-PCS
DUY0CZZ	Intraoperative Radiation Therapy (IORT) of Ovary	Procedure	ICD-10-PCS
DFY3CZZ	Intraoperative Radiation Therapy (IORT) of Pancreas	Procedure	ICD-10-PCS
D9YCCZZ	Intraoperative Radiation Therapy (IORT) of Pharynx	Procedure	ICD-10-PCS
DVY0CZZ	Intraoperative Radiation Therapy (IORT) of Prostate	Procedure	ICD-10-PCS
DDY7CZZ	Intraoperative Radiation Therapy (IORT) of Rectum	Procedure	ICD-10-PCS
DDY1CZZ	Intraoperative Radiation Therapy (IORT) of Stomach	Procedure	ICD-10-PCS
DTY1CZZ	Intraoperative Radiation Therapy (IORT) of Ureter	Procedure	ICD-10-PCS
DTY3CZZ	Intraoperative Radiation Therapy (IORT) of Urethra	Procedure	ICD-10-PCS
DUY2CZZ	Intraoperative Radiation Therapy (IORT) of Uterus	Procedure	ICD-10-PCS
D0006ZZ	Beam Radiation of Brain using Neutron Capture	Procedure	ICD-10-PCS
D0016ZZ	Beam Radiation of Brain Stem using Neutron Capture	Procedure	ICD-10-PCS
D0066ZZ	Beam Radiation of Spinal Cord using Neutron Capture	Procedure	ICD-10-PCS
D7006ZZ	Beam Radiation of Bone Marrow using Neutron Capture	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D7016ZZ	Beam Radiation of Thymus using Neutron Capture	Procedure	ICD-10-PCS
D7026ZZ	Beam Radiation of Spleen using Neutron Capture	Procedure	ICD-10-PCS
D7036ZZ	Beam Radiation of Neck Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D7046ZZ	Beam Radiation of Axillary Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D7056ZZ	Beam Radiation of Thorax Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D7066ZZ	Beam Radiation of Abdomen Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D7076ZZ	Beam Radiation of Pelvis Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D7086ZZ	Beam Radiation of Inguinal Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D9016ZZ	Beam Radiation of Nose using Neutron Capture	Procedure	ICD-10-PCS
D9036ZZ	Beam Radiation of Hypopharynx using Neutron Capture	Procedure	ICD-10-PCS
D9046ZZ	Beam Radiation of Mouth using Neutron Capture	Procedure	ICD-10-PCS
D9056ZZ	Beam Radiation of Tongue using Neutron Capture	Procedure	ICD-10-PCS
D9066ZZ	Beam Radiation of Salivary Glands using Neutron Capture	Procedure	ICD-10-PCS
D9076ZZ	Beam Radiation of Sinuses using Neutron Capture	Procedure	ICD-10-PCS
D9086ZZ	Beam Radiation of Hard Palate using Neutron Capture	Procedure	ICD-10-PCS
D9096ZZ	Beam Radiation of Soft Palate using Neutron Capture	Procedure	ICD-10-PCS
D90B6ZZ	Beam Radiation of Larynx using Neutron Capture	Procedure	ICD-10-PCS
D90D6ZZ	Beam Radiation of Nasopharynx using Neutron Capture	Procedure	ICD-10-PCS
D90F6ZZ	Beam Radiation of Oropharynx using Neutron Capture	Procedure	ICD-10-PCS
DB006ZZ	Beam Radiation of Trachea using Neutron Capture	Procedure	ICD-10-PCS
DB016ZZ	Beam Radiation of Bronchus using Neutron Capture	Procedure	ICD-10-PCS
DB026ZZ	Beam Radiation of Lung using Neutron Capture	Procedure	ICD-10-PCS
DB056ZZ	Beam Radiation of Pleura using Neutron Capture	Procedure	ICD-10-PCS
DB066ZZ	Beam Radiation of Mediastinum using Neutron Capture	Procedure	ICD-10-PCS
DB076ZZ	Beam Radiation of Chest Wall using Neutron Capture	Procedure	ICD-10-PCS
DB086ZZ	Beam Radiation of Diaphragm using Neutron Capture	Procedure	ICD-10-PCS
DD006ZZ	Beam Radiation of Esophagus using Neutron Capture	Procedure	ICD-10-PCS
DD016ZZ	Beam Radiation of Stomach using Neutron Capture	Procedure	ICD-10-PCS
DD026ZZ	Beam Radiation of Duodenum using Neutron Capture	Procedure	ICD-10-PCS
DD036ZZ	Beam Radiation of Jejunum using Neutron Capture	Procedure	ICD-10-PCS
DD046ZZ	Beam Radiation of Ileum using Neutron Capture	Procedure	ICD-10-PCS
DD056ZZ	Beam Radiation of Colon using Neutron Capture	Procedure	ICD-10-PCS
DD076ZZ	Beam Radiation of Rectum using Neutron Capture	Procedure	ICD-10-PCS
DF006ZZ	Beam Radiation of Liver using Neutron Capture	Procedure	ICD-10-PCS
DF016ZZ	Beam Radiation of Gallbladder using Neutron Capture	Procedure	ICD-10-PCS
DF026ZZ	Beam Radiation of Bile Ducts using Neutron Capture	Procedure	ICD-10-PCS
DF036ZZ	Beam Radiation of Pancreas using Neutron Capture	Procedure	ICD-10-PCS
DG006ZZ	Beam Radiation of Pituitary Gland using Neutron Capture	Procedure	ICD-10-PCS
DG016ZZ	Beam Radiation of Pineal Body using Neutron Capture	Procedure	ICD-10-PCS
DG026ZZ	Beam Radiation of Adrenal Glands using Neutron Capture	Procedure	ICD-10-PCS
DG046ZZ	Beam Radiation of Parathyroid Glands using Neutron Capture	Procedure	ICD-10-PCS
DG056ZZ	Beam Radiation of Thyroid using Neutron Capture	Procedure	ICD-10-PCS
DM006ZZ	Beam Radiation of Left Breast using Neutron Capture	Procedure	ICD-10-PCS
DM016ZZ	Beam Radiation of Right Breast using Neutron Capture	Procedure	ICD-10-PCS
DP006ZZ	Beam Radiation of Skull using Neutron Capture	Procedure	ICD-10-PCS
DP026ZZ	Beam Radiation of Maxilla using Neutron Capture	Procedure	ICD-10-PCS
DP036ZZ	Beam Radiation of Mandible using Neutron Capture	Procedure	ICD-10-PCS
DP046ZZ	Beam Radiation of Sternum using Neutron Capture	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DP056ZZ	Beam Radiation of Rib(s) using Neutron Capture	Procedure	ICD-10-PCS
DP066ZZ	Beam Radiation of Humerus using Neutron Capture	Procedure	ICD-10-PCS
DP076ZZ	Beam Radiation of Radius/Ulna using Neutron Capture	Procedure	ICD-10-PCS
DP086ZZ	Beam Radiation of Pelvic Bones using Neutron Capture	Procedure	ICD-10-PCS
DP096ZZ	Beam Radiation of Femur using Neutron Capture	Procedure	ICD-10-PCS
DP0B6ZZ	Beam Radiation of Tibia/Fibula using Neutron Capture	Procedure	ICD-10-PCS
DPOC6ZZ	Beam Radiation of Other Bone using Neutron Capture	Procedure	ICD-10-PCS
DT006ZZ	Beam Radiation of Kidney using Neutron Capture	Procedure	ICD-10-PCS
DT016ZZ	Beam Radiation of Ureter using Neutron Capture	Procedure	ICD-10-PCS
DT026ZZ	Beam Radiation of Bladder using Neutron Capture	Procedure	ICD-10-PCS
DT036ZZ	Beam Radiation of Urethra using Neutron Capture	Procedure	ICD-10-PCS
DU006ZZ	Beam Radiation of Ovary using Neutron Capture	Procedure	ICD-10-PCS
DU016ZZ	Beam Radiation of Cervix using Neutron Capture	Procedure	ICD-10-PCS
DU026ZZ	Beam Radiation of Uterus using Neutron Capture	Procedure	ICD-10-PCS
DV006ZZ	Beam Radiation of Prostate using Neutron Capture	Procedure	ICD-10-PCS
DV016ZZ	Beam Radiation of Testis using Neutron Capture	Procedure	ICD-10-PCS
DW016ZZ	Beam Radiation of Head and Neck using Neutron Capture	Procedure	ICD-10-PCS
DW026ZZ	Beam Radiation of Chest using Neutron Capture	Procedure	ICD-10-PCS
DW036ZZ	Beam Radiation of Abdomen using Neutron Capture	Procedure	ICD-10-PCS
DW046ZZ	Beam Radiation of Hemibody using Neutron Capture	Procedure	ICD-10-PCS
DW056ZZ	Beam Radiation of Whole Body using Neutron Capture	Procedure	ICD-10-PCS
DW066ZZ	Beam Radiation of Pelvic Region using Neutron Capture	Procedure	ICD-10-PCS
D0001ZZ	Beam Radiation of Brain using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0002ZZ	Beam Radiation of Brain using Photons >10 MeV	Procedure	ICD-10-PCS
D0011ZZ	Beam Radiation of Brain Stem using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0012ZZ	Beam Radiation of Brain Stem using Photons >10 MeV	Procedure	ICD-10-PCS
D0061ZZ	Beam Radiation of Spinal Cord using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0062ZZ	Beam Radiation of Spinal Cord using Photons >10 MeV	Procedure	ICD-10-PCS
D7001ZZ	Beam Radiation of Bone Marrow using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7002ZZ	Beam Radiation of Bone Marrow using Photons >10 MeV	Procedure	ICD-10-PCS
D7011ZZ	Beam Radiation of Thymus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7012ZZ	Beam Radiation of Thymus using Photons >10 MeV	Procedure	ICD-10-PCS
D7021ZZ	Beam Radiation of Spleen using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7022ZZ	Beam Radiation of Spleen using Photons >10 MeV	Procedure	ICD-10-PCS
D7031ZZ	Beam Radiation of Neck Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7032ZZ	Beam Radiation of Neck Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7041ZZ	Beam Radiation of Axillary Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7042ZZ	Beam Radiation of Axillary Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7051ZZ	Beam Radiation of Thorax Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7052ZZ	Beam Radiation of Thorax Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7061ZZ	Beam Radiation of Abdomen Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7062ZZ	Beam Radiation of Abdomen Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7071ZZ	Beam Radiation of Pelvis Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7072ZZ	Beam Radiation of Pelvis Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7081ZZ	Beam Radiation of Inguinal Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7082ZZ	Beam Radiation of Inguinal Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D9011ZZ	Beam Radiation of Nose using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9012ZZ	Beam Radiation of Nose using Photons >10 MeV	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
D9031ZZ	Beam Radiation of Hypopharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9032ZZ	Beam Radiation of Hypopharynx using Photons >10 MeV	Procedure	ICD-10-PCS
D9041ZZ	Beam Radiation of Mouth using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9042ZZ	Beam Radiation of Mouth using Photons >10 MeV	Procedure	ICD-10-PCS
D9051ZZ	Beam Radiation of Tongue using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9052ZZ	Beam Radiation of Tongue using Photons >10 MeV	Procedure	ICD-10-PCS
D9061ZZ	Beam Radiation of Salivary Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9062ZZ	Beam Radiation of Salivary Glands using Photons >10 MeV	Procedure	ICD-10-PCS
D9071ZZ	Beam Radiation of Sinuses using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9072ZZ	Beam Radiation of Sinuses using Photons >10 MeV	Procedure	ICD-10-PCS
D9081ZZ	Beam Radiation of Hard Palate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9082ZZ	Beam Radiation of Hard Palate using Photons >10 MeV	Procedure	ICD-10-PCS
D9091ZZ	Beam Radiation of Soft Palate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9092ZZ	Beam Radiation of Soft Palate using Photons >10 MeV	Procedure	ICD-10-PCS
D90B1ZZ	Beam Radiation of Larynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90B2ZZ	Beam Radiation of Larynx using Photons >10 MeV	Procedure	ICD-10-PCS
D90D1ZZ	Beam Radiation of Nasopharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90D2ZZ	Beam Radiation of Nasopharynx using Photons >10 MeV	Procedure	ICD-10-PCS
D90F1ZZ	Beam Radiation of Oropharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90F2ZZ	Beam Radiation of Oropharynx using Photons >10 MeV	Procedure	ICD-10-PCS
DB001ZZ	Beam Radiation of Trachea using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB002ZZ	Beam Radiation of Trachea using Photons >10 MeV	Procedure	ICD-10-PCS
DB011ZZ	Beam Radiation of Bronchus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB012ZZ	Beam Radiation of Bronchus using Photons >10 MeV	Procedure	ICD-10-PCS
DB021ZZ	Beam Radiation of Lung using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB022ZZ	Beam Radiation of Lung using Photons >10 MeV	Procedure	ICD-10-PCS
DB051ZZ	Beam Radiation of Pleura using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB052ZZ	Beam Radiation of Pleura using Photons >10 MeV	Procedure	ICD-10-PCS
DB061ZZ	Beam Radiation of Mediastinum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB062ZZ	Beam Radiation of Mediastinum using Photons >10 MeV	Procedure	ICD-10-PCS
DB071ZZ	Beam Radiation of Chest Wall using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB072ZZ	Beam Radiation of Chest Wall using Photons >10 MeV	Procedure	ICD-10-PCS
DB081ZZ	Beam Radiation of Diaphragm using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB082ZZ	Beam Radiation of Diaphragm using Photons >10 MeV	Procedure	ICD-10-PCS
DD001ZZ	Beam Radiation of Esophagus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD002ZZ	Beam Radiation of Esophagus using Photons >10 MeV	Procedure	ICD-10-PCS
DD011ZZ	Beam Radiation of Stomach using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD012ZZ	Beam Radiation of Stomach using Photons >10 MeV	Procedure	ICD-10-PCS
DD021ZZ	Beam Radiation of Duodenum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD022ZZ	Beam Radiation of Duodenum using Photons >10 MeV	Procedure	ICD-10-PCS
DD031ZZ	Beam Radiation of Jejunum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD032ZZ	Beam Radiation of Jejunum using Photons >10 MeV	Procedure	ICD-10-PCS
DD041ZZ	Beam Radiation of Ileum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD042ZZ	Beam Radiation of Ileum using Photons >10 MeV	Procedure	ICD-10-PCS
DD051ZZ	Beam Radiation of Colon using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD052ZZ	Beam Radiation of Colon using Photons >10 MeV	Procedure	ICD-10-PCS
DD071ZZ	Beam Radiation of Rectum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD072ZZ	Beam Radiation of Rectum using Photons >10 MeV	Procedure	ICD-10-PCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DF001ZZ	Beam Radiation of Liver using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF002ZZ	Beam Radiation of Liver using Photons >10 MeV	Procedure	ICD-10-PCS
DF011ZZ	Beam Radiation of Gallbladder using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF012ZZ	Beam Radiation of Gallbladder using Photons >10 MeV	Procedure	ICD-10-PCS
DF021ZZ	Beam Radiation of Bile Ducts using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF022ZZ	Beam Radiation of Bile Ducts using Photons >10 MeV	Procedure	ICD-10-PCS
DF031ZZ	Beam Radiation of Pancreas using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF032ZZ	Beam Radiation of Pancreas using Photons >10 MeV	Procedure	ICD-10-PCS
DG001ZZ	Beam Radiation of Pituitary Gland using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG002ZZ	Beam Radiation of Pituitary Gland using Photons >10 MeV	Procedure	ICD-10-PCS
DG011ZZ	Beam Radiation of Pineal Body using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG012ZZ	Beam Radiation of Pineal Body using Photons >10 MeV	Procedure	ICD-10-PCS
DG021ZZ	Beam Radiation of Adrenal Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG022ZZ	Beam Radiation of Adrenal Glands using Photons >10 MeV	Procedure	ICD-10-PCS
DG041ZZ	Beam Radiation of Parathyroid Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG042ZZ	Beam Radiation of Parathyroid Glands using Photons >10 MeV	Procedure	ICD-10-PCS
DG051ZZ	Beam Radiation of Thyroid using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG052ZZ	Beam Radiation of Thyroid using Photons >10 MeV	Procedure	ICD-10-PCS
DM001ZZ	Beam Radiation of Left Breast using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DM002ZZ	Beam Radiation of Left Breast using Photons >10 MeV	Procedure	ICD-10-PCS
DM011ZZ	Beam Radiation of Right Breast using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DM012ZZ	Beam Radiation of Right Breast using Photons >10 MeV	Procedure	ICD-10-PCS
DP001ZZ	Beam Radiation of Skull using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP002ZZ	Beam Radiation of Skull using Photons >10 MeV	Procedure	ICD-10-PCS
DP021ZZ	Beam Radiation of Maxilla using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP022ZZ	Beam Radiation of Maxilla using Photons >10 MeV	Procedure	ICD-10-PCS
DP031ZZ	Beam Radiation of Mandible using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP032ZZ	Beam Radiation of Mandible using Photons >10 MeV	Procedure	ICD-10-PCS
DP041ZZ	Beam Radiation of Sternum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP042ZZ	Beam Radiation of Sternum using Photons >10 MeV	Procedure	ICD-10-PCS
DP051ZZ	Beam Radiation of Rib(s) using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP052ZZ	Beam Radiation of Rib(s) using Photons >10 MeV	Procedure	ICD-10-PCS
DP061ZZ	Beam Radiation of Humerus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP062ZZ	Beam Radiation of Humerus using Photons >10 MeV	Procedure	ICD-10-PCS
DP071ZZ	Beam Radiation of Radius/Ulna using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP072ZZ	Beam Radiation of Radius/Ulna using Photons >10 MeV	Procedure	ICD-10-PCS
DP081ZZ	Beam Radiation of Pelvic Bones using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP082ZZ	Beam Radiation of Pelvic Bones using Photons >10 MeV	Procedure	ICD-10-PCS
DP091ZZ	Beam Radiation of Femur using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP092ZZ	Beam Radiation of Femur using Photons >10 MeV	Procedure	ICD-10-PCS
DP0B1ZZ	Beam Radiation of Tibia/Fibula using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP0B2ZZ	Beam Radiation of Tibia/Fibula using Photons >10 MeV	Procedure	ICD-10-PCS
DPOC1ZZ	Beam Radiation of Other Bone using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DPOC2ZZ	Beam Radiation of Other Bone using Photons >10 MeV	Procedure	ICD-10-PCS
DT001ZZ	Beam Radiation of Kidney using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT002ZZ	Beam Radiation of Kidney using Photons >10 MeV	Procedure	ICD-10-PCS
DT011ZZ	Beam Radiation of Ureter using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT012ZZ	Beam Radiation of Ureter using Photons >10 MeV	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
DT021ZZ	Beam Radiation of Bladder using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT022ZZ	Beam Radiation of Bladder using Photons >10 MeV	Procedure	ICD-10-PCS
DT031ZZ	Beam Radiation of Urethra using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT032ZZ	Beam Radiation of Urethra using Photons >10 MeV	Procedure	ICD-10-PCS
DU001ZZ	Beam Radiation of Ovary using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU002ZZ	Beam Radiation of Ovary using Photons >10 MeV	Procedure	ICD-10-PCS
DU011ZZ	Beam Radiation of Cervix using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU012ZZ	Beam Radiation of Cervix using Photons >10 MeV	Procedure	ICD-10-PCS
DU021ZZ	Beam Radiation of Uterus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU022ZZ	Beam Radiation of Uterus using Photons >10 MeV	Procedure	ICD-10-PCS
DV001ZZ	Beam Radiation of Prostate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DV002ZZ	Beam Radiation of Prostate using Photons >10 MeV	Procedure	ICD-10-PCS
DV011ZZ	Beam Radiation of Testis using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DV012ZZ	Beam Radiation of Testis using Photons >10 MeV	Procedure	ICD-10-PCS
DW011ZZ	Beam Radiation of Head and Neck using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW012ZZ	Beam Radiation of Head and Neck using Photons >10 MeV	Procedure	ICD-10-PCS
DW021ZZ	Beam Radiation of Chest using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW022ZZ	Beam Radiation of Chest using Photons >10 MeV	Procedure	ICD-10-PCS
DW031ZZ	Beam Radiation of Abdomen using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW032ZZ	Beam Radiation of Abdomen using Photons >10 MeV	Procedure	ICD-10-PCS
DW041ZZ	Beam Radiation of Hemibody using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW042ZZ	Beam Radiation of Hemibody using Photons >10 MeV	Procedure	ICD-10-PCS
DW051ZZ	Beam Radiation of Whole Body using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW052ZZ	Beam Radiation of Whole Body using Photons >10 MeV	Procedure	ICD-10-PCS
DW061ZZ	Beam Radiation of Pelvic Region using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW062ZZ	Beam Radiation of Pelvic Region using Photons >10 MeV	Procedure	ICD-10-PCS
D0076ZZ	Beam Radiation of Peripheral Nerve using Neutron Capture	Procedure	ICD-10-PCS
XW03351	Introduction of Blinatumomab Antineoplastic Immunotherapy into Peripheral Vein, Percutaneous Approach, New Technology Group 1	Procedure	ICD-10-PCS
XW04351	Introduction of Blinatumomab Antineoplastic Immunotherapy into Central Vein, Percutaneous Approach, New Technology Group 1	Procedure	ICD-10-PCS
XW043B3	Introduction of Cytarabine and Daunorubicin Liposome Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW033B3	Introduction of Cytarabine and Daunorubicin Liposome Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW043C3	Introduction of Engineered Autologous Chimeric Antigen Receptor T-cell Immunotherapy into Central Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW033C3	Introduction of Engineered Autologous Chimeric Antigen Receptor T-cell Immunotherapy into Peripheral Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
3E05305	Introduction of Other Antineoplastic into Epidural Space, Percutaneous Approach	Procedure	ICD-10-PCS
3E0R305	Introduction of Other Antineoplastic into Spinal Canal, Percutaneous Approach	Procedure	ICD-10-PCS
3E03005	Introduction of Other Antineoplastic into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
3E03305	Introduction of Other Antineoplastic into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E04005	Introduction of Other Antineoplastic into Central Vein, Open Approach	Procedure	ICD-10-PCS
3E04305	Introduction of Other Antineoplastic into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E05005	Introduction of Other Antineoplastic into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
3E05305	Introduction of Other Antineoplastic into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E06005	Introduction of Other Antineoplastic into Central Artery, Open Approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
3E06305	Introduction of Other Antineoplastic into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E00X05	Introduction of other antineoplastic into skin and mucous membranes, external approach	Procedure	ICD-10-PCS
3E00X0M	Introduction of monoclonal antibody into skin and mucous membranes, external approach	Procedure	ICD-10-PCS
3E01305	Introduction of other antineoplastic into subcutaneous tissue, percutaneous approach	Procedure	ICD-10-PCS
3E0130M	Introduction of monoclonal antibody into subcutaneous tissue, percutaneous approach	Procedure	ICD-10-PCS
3E02305	Introduction of other antineoplastic into muscle, percutaneous approach	Procedure	ICD-10-PCS
3E0230M	Introduction of monoclonal antibody into muscle, percutaneous approach	Procedure	ICD-10-PCS
3E03002	Introduction of high-dose interleukin-2 into peripheral vein, open approach	Procedure	ICD-10-PCS
3E03003	Introduction of low-dose interleukin-2 into peripheral vein, open approach	Procedure	ICD-10-PCS
3E0300M	Introduction of monoclonal antibody into peripheral vein, open approach	Procedure	ICD-10-PCS
3E0300P	Introduction of clofarabine into peripheral vein, open approach	Procedure	ICD-10-PCS
3E03302	Introduction of high-dose interleukin-2 into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
3E03303	Introduction of low-dose interleukin-2 into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
3E0330M	Introduction of monoclonal antibody into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
3E0330P	Introduction of clofarabine into peripheral vein, percutaneous approach	Procedure	ICD-10-PCS
3E04002	Introduction of high-dose interleukin-2 into central vein, open approach	Procedure	ICD-10-PCS
3E04003	Introduction of low-dose interleukin-2 into central vein, open approach	Procedure	ICD-10-PCS
3E0400M	Introduction of monoclonal antibody into central vein, open approach	Procedure	ICD-10-PCS
3E0400P	Introduction of clofarabine into central vein, open approach	Procedure	ICD-10-PCS
3E04302	Introduction of high-dose interleukin-2 into central vein, percutaneous approach	Procedure	ICD-10-PCS
3E04303	Introduction of low-dose interleukin-2 into central vein, percutaneous approach	Procedure	ICD-10-PCS
3E0430M	Introduction of monoclonal antibody into central vein, percutaneous approach	Procedure	ICD-10-PCS
3E0430P	Introduction of clofarabine into central vein, percutaneous approach	Procedure	ICD-10-PCS
3E05002	Introduction of high-dose interleukin-2 into peripheral artery, open approach	Procedure	ICD-10-PCS
3E05003	Introduction of low-dose interleukin-2 into peripheral artery, open approach	Procedure	ICD-10-PCS
3E05005	Introduction of other antineoplastic into peripheral artery, open approach	Procedure	ICD-10-PCS
3E0500M	Introduction of monoclonal antibody into peripheral artery, open approach	Procedure	ICD-10-PCS
3E0500P	Introduction of clofarabine into peripheral artery, open approach	Procedure	ICD-10-PCS
3E05302	Introduction of high-dose interleukin-2 into peripheral artery, percutaneous approach	Procedure	ICD-10-PCS
3E05303	Introduction of low-dose interleukin-2 into peripheral artery, percutaneous approach	Procedure	ICD-10-PCS
3E0530M	Introduction of monoclonal antibody into peripheral artery, percutaneous approach	Procedure	ICD-10-PCS
3E0530P	Introduction of clofarabine into peripheral artery, percutaneous approach	Procedure	ICD-10-PCS
3E06002	Introduction of high-dose interleukin-2 into central artery, open approach	Procedure	ICD-10-PCS
3E06003	Introduction of low-dose interleukin-2 into central artery, open approach	Procedure	ICD-10-PCS
3E0600M	Introduction of monoclonal antibody into central artery, open approach	Procedure	ICD-10-PCS
3E0600P	Introduction of clofarabine into central artery, open approach	Procedure	ICD-10-PCS
3E06302	Introduction of high-dose interleukin-2 into central artery, percutaneous approach	Procedure	ICD-10-PCS
3E06303	Introduction of low-dose interleukin-2 into central artery, percutaneous approach	Procedure	ICD-10-PCS
3E0630M	Introduction of monoclonal antibody into central artery, percutaneous approach	Procedure	ICD-10-PCS
3E0630P	Introduction of clofarabine into central artery, percutaneous approach	Procedure	ICD-10-PCS
3E09305	Introduction of other antineoplastic into nose, percutaneous approach	Procedure	ICD-10-PCS
3E0930M	Introduction of monoclonal antibody into nose, percutaneous approach	Procedure	ICD-10-PCS
3E09705	Introduction of other antineoplastic into nose, via natural or artificial opening	Procedure	ICD-10-PCS
3E0970M	Introduction of monoclonal antibody into nose, via natural or artificial opening	Procedure	ICD-10-PCS
3E09X05	Introduction of other antineoplastic into nose, external approach	Procedure	ICD-10-PCS
3E09X0M	Introduction of monoclonal antibody into nose, external approach	Procedure	ICD-10-PCS
3E0A305	Introduction of other antineoplastic into bone marrow, percutaneous approach	Procedure	ICD-10-PCS
3E0A30M	Introduction of monoclonal antibody into bone marrow, percutaneous approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
3E0B305	Introduction of other antineoplastic into ear, percutaneous approach	Procedure	ICD-10-PCS
3E0B30M	Introduction of monoclonal antibody into ear, percutaneous approach	Procedure	ICD-10-PCS
3E0B705	Introduction of other antineoplastic into ear, via natural or artificial opening	Procedure	ICD-10-PCS
3E0B70M	Introduction of monoclonal antibody into ear, via natural or artificial opening	Procedure	ICD-10-PCS
3E0BX05	Introduction of other antineoplastic into ear, external approach	Procedure	ICD-10-PCS
3E0BX0M	Introduction of monoclonal antibody into ear, external approach	Procedure	ICD-10-PCS
3E0C305	Introduction of other antineoplastic into eye, percutaneous approach	Procedure	ICD-10-PCS
3E0C30M	Introduction of monoclonal antibody into eye, percutaneous approach	Procedure	ICD-10-PCS
3E0C705	Introduction of other antineoplastic into eye, via natural or artificial opening	Procedure	ICD-10-PCS
3E0C70M	Introduction of monoclonal antibody into eye, via natural or artificial opening	Procedure	ICD-10-PCS
3E0CX05	Introduction of other antineoplastic into eye, external approach	Procedure	ICD-10-PCS
3E0CX0M	Introduction of monoclonal antibody into eye, external approach	Procedure	ICD-10-PCS
3E0D305	Introduction of other antineoplastic into mouth and pharynx, percutaneous approach	Procedure	ICD-10-PCS
3E0D30M	Introduction of monoclonal antibody into mouth and pharynx, percutaneous approach	Procedure	ICD-10-PCS
3E0D705	Introduction of other antineoplastic into mouth and pharynx, via natural or artificial opening	Procedure	ICD-10-PCS
3E0D70M	Introduction of monoclonal antibody into mouth and pharynx, via natural or artificial	Procedure	ICD-10-PCS
3E0DX05	Introduction of other antineoplastic into mouth and pharynx, external approach	Procedure	ICD-10-PCS
3E0DX0M	Introduction of monoclonal antibody into mouth and pharynx, external approach	Procedure	ICD-10-PCS
3E0E305	Introduction of other antineoplastic into products of conception, percutaneous approach	Procedure	ICD-10-PCS
3E0E30M	Introduction of monoclonal antibody into products of conception, percutaneous approach	Procedure	ICD-10-PCS
3E0E705	Introduction of other antineoplastic into products of conception, via natural or artificial	Procedure	ICD-10-PCS
3E0E70M	Introduction of monoclonal antibody into products of conception, via natural or artificial	Procedure	ICD-10-PCS
3E0E805	Introduction of other antineoplastic into products of conception, via natural or artificial	Procedure	ICD-10-PCS
3E0E80M	Introduction of monoclonal antibody into products of conception, via natural or artificial	Procedure	ICD-10-PCS
3E0F305	Introduction of other antineoplastic into respiratory tract, percutaneous approach	Procedure	ICD-10-PCS
3E0F30M	Introduction of monoclonal antibody into respiratory tract, percutaneous approach	Procedure	ICD-10-PCS
3E0F705	Introduction of other antineoplastic into respiratory tract, via natural or artificial opening	Procedure	ICD-10-PCS
3E0F70M	Introduction of monoclonal antibody into respiratory tract, via natural or artificial opening	Procedure	ICD-10-PCS
3E0F805	Introduction of other antineoplastic into respiratory tract, via natural or artificial opening	Procedure	ICD-10-PCS
3E0F80M	Introduction of monoclonal antibody into respiratory tract, via natural or artificial opening	Procedure	ICD-10-PCS
3E0G305	Introduction of other antineoplastic into upper gi, percutaneous approach	Procedure	ICD-10-PCS
3E0G30M	Introduction of monoclonal antibody into upper gi, percutaneous approach	Procedure	ICD-10-PCS
3E0G705	Introduction of other antineoplastic into upper gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0G70M	Introduction of monoclonal antibody into upper gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0G805	Introduction of other antineoplastic into upper gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0G80M	Introduction of monoclonal antibody into upper gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0H305	Introduction of other antineoplastic into lower gi, percutaneous approach	Procedure	ICD-10-PCS
3E0H30M	Introduction of monoclonal antibody into lower gi, percutaneous approach	Procedure	ICD-10-PCS
3E0H705	Introduction of other antineoplastic into lower gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0H70M	Introduction of monoclonal antibody into lower gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0H805	Introduction of other antineoplastic into lower gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0H80M	Introduction of monoclonal antibody into lower gi, via natural or artificial opening	Procedure	ICD-10-PCS
3E0J305	Introduction of other antineoplastic into biliary and pancreatic tract, percutaneous	Procedure	ICD-10-PCS
3E0J30M	Introduction of monoclonal antibody into biliary and pancreatic tract, percutaneous	Procedure	ICD-10-PCS
3E0J705	Introduction of other antineoplastic into biliary and pancreatic tract, via natural or artificial	Procedure	ICD-10-PCS
3E0J70M	Introduction of monoclonal antibody into biliary and pancreatic tract, via natural or artificial	Procedure	ICD-10-PCS
3E0J805	Introduction of other antineoplastic into biliary and pancreatic tract, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
3E0J80M	Introduction of monoclonal antibody into biliary and pancreatic tract, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
3E0K305	Introduction of other antineoplastic into genitourinary tract, percutaneous approach	Procedure	ICD-10-PCS
3E0K30M	Introduction of monoclonal antibody into genitourinary tract, percutaneous approach	Procedure	ICD-10-PCS
3E0K705	Introduction of other antineoplastic into genitourinary tract, via natural or artificial opening	Procedure	ICD-10-PCS
3E0K70M	Introduction of monoclonal antibody into genitourinary tract, via natural or artificial	Procedure	ICD-10-PCS
3E0K805	Introduction of other antineoplastic into genitourinary tract, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
3E0K80M	Introduction of monoclonal antibody into genitourinary tract, via natural or artificial opening endoscopic	Procedure	ICD-10-PCS
3E0L305	Introduction of other antineoplastic into pleural cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0L30M	Introduction of monoclonal antibody into pleural cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0L705	Introduction of other antineoplastic into pleural cavity, via natural or artificial opening	Procedure	ICD-10-PCS
3E0L70M	Introduction of monoclonal antibody into pleural cavity, via natural or artificial opening	Procedure	ICD-10-PCS
3E0M305	Introduction of other antineoplastic into peritoneal cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0M30M	Introduction of monoclonal antibody into peritoneal cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0M705	Introduction of other antineoplastic into peritoneal cavity, via natural or artificial opening	Procedure	ICD-10-PCS
3E0M70M	Introduction of monoclonal antibody into peritoneal cavity, via natural or artificial opening	Procedure	ICD-10-PCS
3E0N305	Introduction of other antineoplastic into male reproductive, percutaneous approach	Procedure	ICD-10-PCS
3E0N30M	Introduction of monoclonal antibody into male reproductive, percutaneous approach	Procedure	ICD-10-PCS
3E0N705	Introduction of other antineoplastic into male reproductive, via natural or artificial opening	Procedure	ICD-10-PCS
3E0N70M	Introduction of monoclonal antibody into male reproductive, via natural or artificial opening	Procedure	ICD-10-PCS
3E0N805	Introduction of other antineoplastic into male reproductive, via natural or artificial opening	Procedure	ICD-10-PCS
3E0N80M	Introduction of monoclonal antibody into male reproductive, via natural or artificial opening	Procedure	ICD-10-PCS
3E0P305	Introduction of other antineoplastic into female reproductive, percutaneous approach	Procedure	ICD-10-PCS
3E0P30M	Introduction of monoclonal antibody into female reproductive, percutaneous approach	Procedure	ICD-10-PCS
3E0P705	Introduction of other antineoplastic into female reproductive, via natural or artificial	Procedure	ICD-10-PCS
3E0P70M	Introduction of monoclonal antibody into female reproductive, via natural or artificial	Procedure	ICD-10-PCS
3E0P805	Introduction of other antineoplastic into female reproductive, via natural or artificial	Procedure	ICD-10-PCS
3E0P80M	Introduction of monoclonal antibody into female reproductive, via natural or artificial	Procedure	ICD-10-PCS
3E0Q005	Introduction of other antineoplastic into cranial cavity and brain, open approach	Procedure	ICD-10-PCS
3E0Q00M	Introduction of monoclonal antibody into cranial cavity and brain, open approach	Procedure	ICD-10-PCS
3E0Q305	Introduction of other antineoplastic into cranial cavity and brain, percutaneous approach	Procedure	ICD-10-PCS
3E0Q30M	Introduction of monoclonal antibody into cranial cavity and brain, percutaneous approach	Procedure	ICD-10-PCS
3E0Q705	Introduction of other antineoplastic into cranial cavity and brain, via natural or artificial	Procedure	ICD-10-PCS
3E0Q70M	Introduction of monoclonal antibody into cranial cavity and brain, via natural or artificial	Procedure	ICD-10-PCS
3E0R302	Introduction of high-dose interleukin-2 into spinal canal, percutaneous approach	Procedure	ICD-10-PCS
3E0R303	Introduction of low-dose interleukin-2 into spinal canal, percutaneous approach	Procedure	ICD-10-PCS
3E0R305	Introduction of other antineoplastic into spinal canal, percutaneous approach	Procedure	ICD-10-PCS
3E0R30M	Introduction of monoclonal antibody into spinal canal, percutaneous approach	Procedure	ICD-10-PCS
3E0S302	Introduction of high-dose interleukin-2 into epidural space, percutaneous approach	Procedure	ICD-10-PCS
3E0S303	Introduction of low-dose interleukin-2 into epidural space, percutaneous approach	Procedure	ICD-10-PCS
3E0S305	Introduction of other antineoplastic into epidural space, percutaneous approach	Procedure	ICD-10-PCS
3E0S30M	Introduction of monoclonal antibody into epidural space, percutaneous approach	Procedure	ICD-10-PCS
3E0U305	Introduction of other antineoplastic into joints, percutaneous approach	Procedure	ICD-10-PCS
3E0U30M	Introduction of monoclonal antibody into joints, percutaneous approach	Procedure	ICD-10-PCS
3E0V305	Introduction of other antineoplastic into bones, percutaneous approach	Procedure	ICD-10-PCS
3E0V30M	Introduction of monoclonal antibody into bones, percutaneous approach	Procedure	ICD-10-PCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
3E0W305	Introduction of other antineoplastic into lymphatics, percutaneous approach	Procedure	ICD-10-PCS
3E0W30M	Introduction of monoclonal antibody into lymphatics, percutaneous approach	Procedure	ICD-10-PCS
3E0Y305	Introduction of other antineoplastic into pericardial cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0Y30M	Introduction of monoclonal antibody into pericardial cavity, percutaneous approach	Procedure	ICD-10-PCS
3E0Y705	Introduction of other antineoplastic into pericardial cavity, via natural or artificial opening	Procedure	ICD-10-PCS
3E0Y70M	Introduction of monoclonal antibody into pericardial cavity, via natural or artificial opening	Procedure	ICD-10-PCS
XW033Q5	Introduction of Tagraxofusp-erzs Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW033S5	Introduction of Iobenguane I-131 Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW043S5	Introduction of Iobenguane I-131 Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW043Q5	Introduction of Tagraxofusp-erzs Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXL5	Introduction of Erdafitinib Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXR5	Introduction of Venetoclax Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXT5	Introduction of Ruxolitinib into Mouth and Pharynx, External Approach, New Technology	Procedure	ICD-10-PCS
XW0DXV5	Introduction of Gilteritinib Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
<b>Other conditions</b>			
<b>Chronic kidney disease</b>			
N183	Chronic kidney disease, stage 3	Diagnosis	ICD-10-CM
N184	Chronic kidney disease, stage 4	Diagnosis	ICD-10-CM
N185	Chronic kidney disease, stage 5	Diagnosis	ICD-10-CM
N186	End stage renal disease	Diagnosis	ICD-10-CM
N189	Chronic kidney disease, unspecified	Diagnosis	ICD-10-CM
N19	Unspecified kidney failure	Diagnosis	ICD-10-CM
I120	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	Diagnosis	ICD-10-CM
I129	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I130	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I1310	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
I1311	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
Z9115	Patient's noncompliance with renal dialysis	Diagnosis	ICD-10-CM
E0821	Diabetes mellitus due to underlying condition with diabetic nephropathy	Diagnosis	ICD-10-CM
E0822	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E0829	Diabetes mellitus due to underlying condition with other diabetic kidney complication	Diagnosis	ICD-10-CM
E0921	Drug or chemical induced diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E0922	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E0929	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1021	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1029	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E1121	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1122	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1129	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E1321	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1322	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1329	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
<b>Chronic liver disease</b>			
K700	Alcoholic fatty liver	Diagnosis	ICD-10-CM
K7010	Alcoholic hepatitis without ascites	Diagnosis	ICD-10-CM
K7011	Alcoholic hepatitis with ascites	Diagnosis	ICD-10-CM
K702	Alcoholic fibrosis and sclerosis of liver	Diagnosis	ICD-10-CM
K7030	Alcoholic cirrhosis of liver without ascites	Diagnosis	ICD-10-CM
K7031	Alcoholic cirrhosis of liver with ascites	Diagnosis	ICD-10-CM
K7040	Alcoholic hepatic failure without coma	Diagnosis	ICD-10-CM
K7041	Alcoholic hepatic failure with coma	Diagnosis	ICD-10-CM
K709	Alcoholic liver disease, unspecified	Diagnosis	ICD-10-CM
K7110	Toxic liver disease with hepatic necrosis, without coma	Diagnosis	ICD-10-CM
K7111	Toxic liver disease with hepatic necrosis, with coma	Diagnosis	ICD-10-CM
K713	Toxic liver disease with chronic persistent hepatitis	Diagnosis	ICD-10-CM
K714	Toxic liver disease with chronic lobular hepatitis	Diagnosis	ICD-10-CM
K715	Toxic liver disease with chronic active hepatitis	Diagnosis	ICD-10-CM
K7150	Toxic liver disease with chronic active hepatitis without ascites	Diagnosis	ICD-10-CM
K7151	Toxic liver disease with chronic active hepatitis with ascites	Diagnosis	ICD-10-CM
K716	Toxic liver disease with hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K717	Toxic liver disease with fibrosis and cirrhosis of liver	Diagnosis	ICD-10-CM
K718	Toxic liver disease with other disorders of liver	Diagnosis	ICD-10-CM
K719	Toxic liver disease, unspecified	Diagnosis	ICD-10-CM
K721	Chronic hepatic failure	Diagnosis	ICD-10-CM
K7210	Chronic hepatic failure without coma	Diagnosis	ICD-10-CM
K7211	Chronic hepatic failure with coma	Diagnosis	ICD-10-CM
K7290	Hepatic failure, unspecified without coma	Diagnosis	ICD-10-CM
K7291	Hepatic failure, unspecified with coma	Diagnosis	ICD-10-CM
K730	Chronic persistent hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K731	Chronic lobular hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K732	Chronic active hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K738	Other chronic hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K739	Chronic hepatitis, unspecified	Diagnosis	ICD-10-CM
K740	Hepatic fibrosis	Diagnosis	ICD-10-CM
K741	Hepatic sclerosis	Diagnosis	ICD-10-CM
K742	Hepatic fibrosis with hepatic sclerosis	Diagnosis	ICD-10-CM
K743	Primary biliary cirrhosis	Diagnosis	ICD-10-CM
K744	Secondary biliary cirrhosis	Diagnosis	ICD-10-CM
K745	Biliary cirrhosis, unspecified	Diagnosis	ICD-10-CM
K7460	Unspecified cirrhosis of liver	Diagnosis	ICD-10-CM
K7469	Other cirrhosis of liver	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
K753	Granulomatous hepatitis, not elsewhere classified	Diagnosis	ICD-10-CM
K754	Autoimmune hepatitis	Diagnosis	ICD-10-CM
K758	Other specified inflammatory liver diseases	Diagnosis	ICD-10-CM
K7581	Nonalcoholic steatohepatitis (NASH)	Diagnosis	ICD-10-CM
K7589	Other specified inflammatory liver diseases	Diagnosis	ICD-10-CM
K759	Inflammatory liver disease, unspecified	Diagnosis	ICD-10-CM
K760	Fatty (change of) liver, not elsewhere classified	Diagnosis	ICD-10-CM
<b>Diabetes</b>			
E08	Diabetes mellitus due to underlying condition	Diagnosis	ICD-10-CM
E080	Diabetes mellitus due to underlying condition with hyperosmolarity	Diagnosis	ICD-10-CM
E0800	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E0801	Diabetes mellitus due to underlying condition with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E081	Diabetes mellitus due to underlying condition with ketoacidosis	Diagnosis	ICD-10-CM
E0810	Diabetes mellitus due to underlying condition with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0811	Diabetes mellitus due to underlying condition with ketoacidosis with coma	Diagnosis	ICD-10-CM
E082	Diabetes mellitus due to underlying condition with kidney complications	Diagnosis	ICD-10-CM
E0821	Diabetes mellitus due to underlying condition with diabetic nephropathy	Diagnosis	ICD-10-CM
E0822	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E0829	Diabetes mellitus due to underlying condition with other diabetic kidney complication	Diagnosis	ICD-10-CM
E083	Diabetes mellitus due to underlying condition with ophthalmic complications	Diagnosis	ICD-10-CM
E0831	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy	Diagnosis	ICD-10-CM
E08311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E0832	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E08321	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E083211	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E083212	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E083213	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E083219	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08329	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E083291	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E083292	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E083293	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E083299	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E0833	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic	Diagnosis	ICD-10-CM
E08331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E083311	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E083312	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E083313	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E083319	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E083391	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E083392	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E083393	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E083399	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0834	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E08341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E083411	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E083412	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E083413	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E083419	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E083491	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E083492	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E083493	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E083499	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0835	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E08351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E083511	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E083512	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E083513	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E083519	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08352	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula	Diagnosis	ICD-10-CM
E083521	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E083522	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E083523	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E083529	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E08353	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula	Diagnosis	ICD-10-CM
E083531	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E083532	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E083533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E083539	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E08354	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment	Diagnosis	ICD-10-CM
E083541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E083542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E083543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E083549	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E08355	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E083551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E083552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy,	Diagnosis	ICD-10-CM
E083553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy,	Diagnosis	ICD-10-CM
E083559	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E08359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E083591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E083592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E083593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E083599	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0836	Diabetes mellitus due to underlying condition with diabetic cataract	Diagnosis	ICD-10-CM
E0837	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment	Diagnosis	ICD-10-CM
E0837X1	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E0837X2	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E0837X3	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E0837X9	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E0839	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E084	Diabetes mellitus due to underlying condition with neurological complications	Diagnosis	ICD-10-CM
E0840	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E0841	Diabetes mellitus due to underlying condition with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E0842	Diabetes mellitus due to underlying condition with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E0843	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E0844	Diabetes mellitus due to underlying condition with diabetic amyotrophy	Diagnosis	ICD-10-CM
E0849	Diabetes mellitus due to underlying condition with other diabetic neurological complication	Diagnosis	ICD-10-CM
E085	Diabetes mellitus due to underlying condition with circulatory complications	Diagnosis	ICD-10-CM
E0851	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E0852	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E0859	Diabetes mellitus due to underlying condition with other circulatory complications	Diagnosis	ICD-10-CM
E086	Diabetes mellitus due to underlying condition with other specified complications	Diagnosis	ICD-10-CM
E08610	Diabetes mellitus due to underlying condition with diabetic arthropathy	Diagnosis	ICD-10-CM
E08618	Diabetes mellitus due to underlying condition with other diabetic arthropathy	Diagnosis	ICD-10-CM
E08620	Diabetes mellitus due to underlying condition with skin complications	Diagnosis	ICD-10-CM
E08621	Diabetes mellitus due to underlying condition with foot ulcer	Diagnosis	ICD-10-CM
E08622	Diabetes mellitus due to underlying condition with other skin ulcer	Diagnosis	ICD-10-CM
E08628	Diabetes mellitus due to underlying condition with other skin complications	Diagnosis	ICD-10-CM
E08630	Diabetes mellitus due to underlying condition with oral complications	Diagnosis	ICD-10-CM
E08638	Diabetes mellitus due to underlying condition with other oral complications	Diagnosis	ICD-10-CM
E0864	Diabetes mellitus due to underlying condition with hypoglycemia	Diagnosis	ICD-10-CM
E08641	Diabetes mellitus due to underlying condition with hypoglycemia with coma	Diagnosis	ICD-10-CM
E08649	Diabetes mellitus due to underlying condition with hypoglycemia without coma	Diagnosis	ICD-10-CM
E0865	Diabetes mellitus due to underlying condition with hyperglycemia	Diagnosis	ICD-10-CM
E0869	Diabetes mellitus due to underlying condition with other specified complication	Diagnosis	ICD-10-CM
E088	Diabetes mellitus due to underlying condition with unspecified complications	Diagnosis	ICD-10-CM
E089	Diabetes mellitus due to underlying condition without complications	Diagnosis	ICD-10-CM
E09	Drug or chemical induced diabetes mellitus	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E090	Drug or chemical induced diabetes mellitus with hyperosmolarity	Diagnosis	ICD-10-CM
E0900	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E0901	Drug or chemical induced diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E091	Drug or chemical induced diabetes mellitus with ketoacidosis	Diagnosis	ICD-10-CM
E0910	Drug or chemical induced diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0911	Drug or chemical induced diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E092	Drug or chemical induced diabetes mellitus with kidney complications	Diagnosis	ICD-10-CM
E0921	Drug or chemical induced diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E0922	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E0929	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E093	Drug or chemical induced diabetes mellitus with ophthalmic complications	Diagnosis	ICD-10-CM
E0931	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy	Diagnosis	ICD-10-CM
E09311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E0932	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E09321	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E093211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E093212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E093213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E093219	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09329	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E093291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E093292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E093293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E093299	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0933	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E09331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E093311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E093312	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E093313	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E093319	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E093391	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E093392	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E093393	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E093399	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0934	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E09341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E093411	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E093412	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E093413	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E093419	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E093491	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E093492	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E093493	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E093499	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0935	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E09351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E093511	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E093512	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E093513	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E093519	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09352	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E093521	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E093522	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E093523	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E093529	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E09353	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula	Diagnosis	ICD-10-CM
E093531	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E093532	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E093533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E093539	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E09354	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment	Diagnosis	ICD-10-CM
E093541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E093542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E093543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E093549	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E09355	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy	Diagnosis	ICD-10-CM
E093551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E093552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E093553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E093559	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E09359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E093591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E093592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E093593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E093599	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E0936	Drug or chemical induced diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E0937	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment	Diagnosis	ICD-10-CM
E0937X1	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E0937X2	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E0937X3	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E0937X9	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E0939	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E094	Drug or chemical induced diabetes mellitus with neurological complications	Diagnosis	ICD-10-CM
E0940	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E0941	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E0942	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E0943	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E0944	Drug or chemical induced diabetes mellitus with neurological complications with diabetic amyotrophy	Diagnosis	ICD-10-CM
E0949	Drug or chemical induced diabetes mellitus with neurological complications with other diabetic neurological complication	Diagnosis	ICD-10-CM
E095	Drug or chemical induced diabetes mellitus with circulatory complications	Diagnosis	ICD-10-CM
E0951	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E0952	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E0959	Drug or chemical induced diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E096	Drug or chemical induced diabetes mellitus with other specified complications	Diagnosis	ICD-10-CM
E09610	Drug or chemical induced diabetes mellitus with diabetic arthropathy	Diagnosis	ICD-10-CM
E09618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E09620	Drug or chemical induced diabetes mellitus with skin complications	Diagnosis	ICD-10-CM
E09621	Drug or chemical induced diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E09622	Drug or chemical induced diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E09628	Drug or chemical induced diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E09630	Drug or chemical induced diabetes mellitus with oral complications	Diagnosis	ICD-10-CM
E09638	Drug or chemical induced diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E0964	Drug or chemical induced diabetes mellitus with hypoglycemia	Diagnosis	ICD-10-CM
E09641	Drug or chemical induced diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E09649	Drug or chemical induced diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E0965	Drug or chemical induced diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E0969	Drug or chemical induced diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E098	Drug or chemical induced diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E099	Drug or chemical induced diabetes mellitus without complications	Diagnosis	ICD-10-CM
E1010	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1011	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1021	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1029	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10321	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E103211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10329	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E103291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10331	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E103311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10339	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E103391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10341	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E103411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10349	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E103491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E103511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E103522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E103523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E103529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E103532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E103533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E103539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E103542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E103543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E103549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E103551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E103552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E103553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E103559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E10359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E103591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E1036	Type 1 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E1037X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E1037X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E1037X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E1037X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E1039	Type 1 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E1041	Type 1 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E1042	Type 1 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E1044	Type 1 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E1049	Type 1 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E1059	Type 1 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E10618	Type 1 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E10620	Type 1 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E10621	Type 1 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E10622	Type 1 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E10628	Type 1 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E10630	Type 1 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E10638	Type 1 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E10641	Type 1 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E10649	Type 1 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E1065	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1069	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E108	Type 1 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E109	Type 1 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E1100	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E1101	Type 2 diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E1110	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1111	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1121	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1122	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1129	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E11311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E113211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E113212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E113213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E113219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E113291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E113292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E113293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E113299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E113311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E113312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E113313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E113319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E113391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E113392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E113393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E113399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E113411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E113412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E113413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E113419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E113491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E113492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E113493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E113499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E113511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E113512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E113513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E113519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E113521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E113522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E113523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E113529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E113531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E113532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E113533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E113539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E113541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E113542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E113543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E113549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E113551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E113552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E113553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E113559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E11359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E113591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E113592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E113593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E113599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E1136	Type 2 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E1137X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E1137X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E1137X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E1137X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E1139	Type 2 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E1140	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E1141	Type 2 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E1142	Type 2 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E1143	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E1144	Type 2 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E1149	Type 2 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E1151	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E1152	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E1159	Type 2 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E11610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E11618	Type 2 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E11620	Type 2 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E11621	Type 2 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E11622	Type 2 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E11628	Type 2 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E11630	Type 2 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E11638	Type 2 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E11641	Type 2 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E11649	Type 2 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E1165	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1169	Type 2 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E118	Type 2 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E119	Type 2 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E1300	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E1301	Other specified diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E1310	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1311	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1321	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E1322	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E1329	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E13311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E133211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E133212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E133213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E133219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E133291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E133292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E133293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E133299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E133311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E133312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E133313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E133319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13339	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E133391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E133392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E133393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E133399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E133411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E133412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E133413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E133419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E133491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E133492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E133493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E133499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E133511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E133512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E133513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E133519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E133521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E133522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E133523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E133529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E133531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E133532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E133533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E133539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E133541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E133542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E133543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E133549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E133551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E133552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E133553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E133559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E13359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E133591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E133592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E133593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E133599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E1336	Other specified diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E1337X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E1337X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E1337X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1337X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E1339	Other specified diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E1340	Other specified diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E1341	Other specified diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E1342	Other specified diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E1343	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E1344	Other specified diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E1349	Other specified diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E1351	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E1352	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E1359	Other specified diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E13610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E13618	Other specified diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E13620	Other specified diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E13621	Other specified diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E13622	Other specified diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E13628	Other specified diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E13630	Other specified diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E13638	Other specified diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E13641	Other specified diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E13649	Other specified diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E1365	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1369	Other specified diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E138	Other specified diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E139	Other specified diabetes mellitus without complications	Diagnosis	ICD-10-CM
O240	Pre-existing type 1 diabetes mellitus, in pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O2401	Pre-existing type 1 diabetes mellitus, in pregnancy	Diagnosis	ICD-10-CM
O24011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2403	Pre-existing type 1 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM
O241	Pre-existing type 2 diabetes mellitus, in pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O2411	Pre-existing type 2 diabetes mellitus, in pregnancy	Diagnosis	ICD-10-CM
O24111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2413	Pre-existing type 2 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM
O243	Unspecified pre-existing diabetes mellitus in pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O2431	Unspecified pre-existing diabetes mellitus in pregnancy	Diagnosis	ICD-10-CM
O24311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2433	Unspecified pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O2441	Gestational diabetes mellitus in pregnancy	Diagnosis	ICD-10-CM
O24410	Gestational diabetes mellitus in pregnancy, diet controlled	Diagnosis	ICD-10-CM
O24414	Gestational diabetes mellitus in pregnancy, insulin controlled	Diagnosis	ICD-10-CM
O24415	Gestational diabetes mellitus in pregnancy, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24419	Gestational diabetes mellitus in pregnancy, unspecified control	Diagnosis	ICD-10-CM
O2442	Gestational diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24420	Gestational diabetes mellitus in childbirth, diet controlled	Diagnosis	ICD-10-CM
O24424	Gestational diabetes mellitus in childbirth, insulin controlled	Diagnosis	ICD-10-CM
O24425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24429	Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM
O2443	Gestational diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O24430	Gestational diabetes mellitus in the puerperium, diet controlled	Diagnosis	ICD-10-CM
O24434	Gestational diabetes mellitus in the puerperium, insulin controlled	Diagnosis	ICD-10-CM
O24435	Gestational diabetes mellitus in puerperium, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24439	Gestational diabetes mellitus in the puerperium, unspecified control	Diagnosis	ICD-10-CM
O24811	Other pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24812	Other pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24813	Other pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2482	Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2483	Other pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O249	Unspecified diabetes mellitus in pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O2491	Unspecified diabetes mellitus in pregnancy	Diagnosis	ICD-10-CM
O24911	Unspecified diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24912	Unspecified diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24913	Unspecified diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2492	Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2493	Unspecified diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
<b>Hyperglycemia</b>			
E0865	Diabetes mellitus due to underlying condition with hyperglycemia	Diagnosis	ICD-10-CM
E0965	Drug or chemical induced diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1065	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1165	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1365	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
R739	Hyperglycemia, unspecified	Diagnosis	ICD-10-CM
<b>Ketoacidosis</b>			
E1311	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1310	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1011	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1010	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1110	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1111	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E091	Drug or chemical induced diabetes mellitus with ketoacidosis	Diagnosis	ICD-10-CM
E0910	Drug or chemical induced diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0911	Drug or chemical induced diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E081	Diabetes mellitus due to underlying condition with ketoacidosis	Diagnosis	ICD-10-CM
E0810	Diabetes mellitus due to underlying condition with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0811	Diabetes mellitus due to underlying condition with ketoacidosis with coma	Diagnosis	ICD-10-CM
<b>Neurological conditions</b>			
G20	Parkinson's disease	Diagnosis	ICD-10-CM
G21	Secondary parkinsonism	Diagnosis	ICD-10-CM
G211	Other drug-induced secondary parkinsonism	Diagnosis	ICD-10-CM
G2111	Neuroleptic induced parkinsonism	Diagnosis	ICD-10-CM
G2119	Other drug induced secondary parkinsonism	Diagnosis	ICD-10-CM
G212	Secondary parkinsonism due to other external agents	Diagnosis	ICD-10-CM
G213	Postencephalitic parkinsonism	Diagnosis	ICD-10-CM
G214	Vascular parkinsonism	Diagnosis	ICD-10-CM
G218	Other secondary parkinsonism	Diagnosis	ICD-10-CM
G219	Secondary parkinsonism, unspecified	Diagnosis	ICD-10-CM
G30	Alzheimer's disease	Diagnosis	ICD-10-CM
G300	Alzheimer's disease with early onset	Diagnosis	ICD-10-CM
G301	Alzheimer's disease with late onset	Diagnosis	ICD-10-CM
G308	Other Alzheimer's disease	Diagnosis	ICD-10-CM
G309	Alzheimer's disease, unspecified	Diagnosis	ICD-10-CM
F01	Vascular dementia	Diagnosis	ICD-10-CM
F015	Vascular dementia	Diagnosis	ICD-10-CM
F0150	Vascular dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F0151	Vascular dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F02	Dementia in other diseases classified elsewhere	Diagnosis	ICD-10-CM
F028	Dementia in other diseases classified elsewhere	Diagnosis	ICD-10-CM
F0280	Dementia in other diseases classified elsewhere without behavioral disturbance	Diagnosis	ICD-10-CM
F0281	Dementia in other diseases classified elsewhere with behavioral disturbance	Diagnosis	ICD-10-CM
F03	Unspecified dementia	Diagnosis	ICD-10-CM
F039	Unspecified dementia	Diagnosis	ICD-10-CM
F0390	Unspecified dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F0391	Unspecified dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F1027	Alcohol dependence with alcohol-induced persisting dementia	Diagnosis	ICD-10-CM
F1097	Alcohol use, unspecified with alcohol-induced persisting dementia	Diagnosis	ICD-10-CM
F1327	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia	Diagnosis	ICD-10-CM
F1397	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting dementia	Diagnosis	ICD-10-CM
F1817	Inhalant abuse with inhalant-induced dementia	Diagnosis	ICD-10-CM
F1827	Inhalant dependence with inhalant-induced dementia	Diagnosis	ICD-10-CM
F1897	Inhalant use, unspecified with inhalant-induced persisting dementia	Diagnosis	ICD-10-CM
F1917	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
F1927	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
F1997	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
G310	Frontotemporal dementia	Diagnosis	ICD-10-CM
G3109	Other frontotemporal dementia	Diagnosis	ICD-10-CM
G3183	Dementia with Lewy bodies	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G1221	Amyotrophic lateral sclerosis	Diagnosis	ICD-10-CM
G35	Multiple sclerosis	Diagnosis	ICD-10-CM
G710	Muscular dystrophy	Diagnosis	ICD-10-CM
G7100	Muscular dystrophy, unspecified	Diagnosis	ICD-10-CM
G7101	Duchenne or Becker muscular dystrophy	Diagnosis	ICD-10-CM
G7102	Facioscapulohumeral muscular dystrophy	Diagnosis	ICD-10-CM
G7111	Myotonic muscular dystrophy	Diagnosis	ICD-10-CM
S062	Diffuse traumatic brain injury	Diagnosis	ICD-10-CM
S062X	Diffuse traumatic brain injury	Diagnosis	ICD-10-CM
S062X0	Diffuse traumatic brain injury without loss of consciousness	Diagnosis	ICD-10-CM
S062X0A	Diffuse traumatic brain injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S062X0D	Diffuse traumatic brain injury without loss of consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S062X0S	Diffuse traumatic brain injury without loss of consciousness, sequela	Diagnosis	ICD-10-CM
S062X1	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less	Diagnosis	ICD-10-CM
S062X1A	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S062X1D	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, subsequent	Diagnosis	ICD-10-CM
S062X1S	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, sequela	Diagnosis	ICD-10-CM
S062X2	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes	Diagnosis	ICD-10-CM
S062X2A	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S062X2D	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, subsequent encounter	Diagnosis	ICD-10-CM
S062X2S	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, sequela	Diagnosis	ICD-10-CM
S062X3	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes	Diagnosis	ICD-10-CM
S062X3A	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S062X3D	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, subsequent encounter	Diagnosis	ICD-10-CM
S062X3S	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	Diagnosis	ICD-10-CM
S062X4	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours	Diagnosis	ICD-10-CM
S062X4A	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S062X4D	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, subsequent encounter	Diagnosis	ICD-10-CM
S062X4S	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, sequela	Diagnosis	ICD-10-CM
S062X5	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels	Diagnosis	ICD-10-CM
S062X5A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter	Diagnosis	ICD-10-CM
S062X5D	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, subsequent encounter	Diagnosis	ICD-10-CM
S062X5S	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, sequela	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
S062X6	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving	Diagnosis	ICD-10-CM
S062X6A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S062X6D	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, subsequent encounter	Diagnosis	ICD-10-CM
S062X6S	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	Diagnosis	ICD-10-CM
S062X7	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness	Diagnosis	ICD-10-CM
S062X7A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S062X7D	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S062X7S	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	Diagnosis	ICD-10-CM
S062X8	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness	Diagnosis	ICD-10-CM
S062X8A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S062X8D	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S062X8S	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	Diagnosis	ICD-10-CM
S062X9	Diffuse traumatic brain injury with loss of consciousness of unspecified duration	Diagnosis	ICD-10-CM
S062X9A	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S062X9D	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, subsequent encounter	Diagnosis	ICD-10-CM
S062X9S	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela	Diagnosis	ICD-10-CM
S063	Focal traumatic brain injury	Diagnosis	ICD-10-CM
S0630	Unspecified focal traumatic brain injury	Diagnosis	ICD-10-CM
S06300	Unspecified focal traumatic brain injury without loss of consciousness	Diagnosis	ICD-10-CM
S06300A	Unspecified focal traumatic brain injury without loss of consciousness, initial encounter	Diagnosis	ICD-10-CM
S06300D	Unspecified focal traumatic brain injury without loss of consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S06300S	Unspecified focal traumatic brain injury without loss of consciousness, sequela	Diagnosis	ICD-10-CM
S06301	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less	Diagnosis	ICD-10-CM
S06301A	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	Diagnosis	ICD-10-CM
S06301D	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, subsequent encounter	Diagnosis	ICD-10-CM
S06301S	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, sequela	Diagnosis	ICD-10-CM
S06302	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
S06302A	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06302D	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, subsequent encounter	Diagnosis	ICD-10-CM
S06302S	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, sequela	Diagnosis	ICD-10-CM
S06303	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes	Diagnosis	ICD-10-CM
S06303A	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Diagnosis	ICD-10-CM
S06303D	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, subsequent encounter	Diagnosis	ICD-10-CM
S06303S	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	Diagnosis	ICD-10-CM
S06304	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours	Diagnosis	ICD-10-CM
S06304A	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	Diagnosis	ICD-10-CM
S06304D	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, subsequent encounter	Diagnosis	ICD-10-CM
S06304S	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, sequela	Diagnosis	ICD-10-CM
S06305	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level	Diagnosis	ICD-10-CM
S06305A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	Diagnosis	ICD-10-CM
S06305D	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, subsequent encounter	Diagnosis	ICD-10-CM
S06305S	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	Diagnosis	ICD-10-CM
S06306	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving	Diagnosis	ICD-10-CM
S06306A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	Diagnosis	ICD-10-CM
S06306D	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, subsequent encounter	Diagnosis	ICD-10-CM
S06306S	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	Diagnosis	ICD-10-CM
S06307	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness	Diagnosis	ICD-10-CM
S06307A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06307D	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S06307S	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	Diagnosis	ICD-10-CM
S06308	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
S06308A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	Diagnosis	ICD-10-CM
S06308D	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, subsequent encounter	Diagnosis	ICD-10-CM
S06308S	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	Diagnosis	ICD-10-CM
S06309	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration	Diagnosis	ICD-10-CM
S06309A	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	Diagnosis	ICD-10-CM
S06309D	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, subsequent encounter	Diagnosis	ICD-10-CM
S06309S	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration,	Diagnosis	ICD-10-CM
Z13850	Encounter for screening for traumatic brain injury	Diagnosis	ICD-10-CM
Z87820	Personal history of traumatic brain injury	Diagnosis	ICD-10-CM
Q850	Neurofibromatosis (nonmalignant)	Diagnosis	ICD-10-CM
Q8500	Neurofibromatosis, unspecified	Diagnosis	ICD-10-CM
Q8501	Neurofibromatosis, type 1	Diagnosis	ICD-10-CM
Q8502	Neurofibromatosis, type 2	Diagnosis	ICD-10-CM
Q8509	Other neurofibromatosis	Diagnosis	ICD-10-CM
G40	Epilepsy and recurrent seizures	Diagnosis	ICD-10-CM
G400	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset	Diagnosis	ICD-10-CM
G4000	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable	Diagnosis	ICD-10-CM
G40001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable	Diagnosis	ICD-10-CM
G40011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G401	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures	Diagnosis	ICD-10-CM
G4010	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable	Diagnosis	ICD-10-CM
G40101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40109	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4011	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable	Diagnosis	ICD-10-CM
G40111	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40119	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G402	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures	Diagnosis	ICD-10-CM
G4020	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable	Diagnosis	ICD-10-CM
G40201	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4021	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable	Diagnosis	ICD-10-CM
G40211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G403	Generalized idiopathic epilepsy and epileptic syndromes	Diagnosis	ICD-10-CM
G4030	Generalized idiopathic epilepsy and epileptic syndromes, not intractable	Diagnosis	ICD-10-CM
G40301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40309	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4031	Generalized idiopathic epilepsy and epileptic syndromes, intractable	Diagnosis	ICD-10-CM
G40311	Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G404	Other generalized epilepsy and epileptic syndromes	Diagnosis	ICD-10-CM
G4040	Other generalized epilepsy and epileptic syndromes, not intractable	Diagnosis	ICD-10-CM
G40401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4041	Other generalized epilepsy and epileptic syndromes, intractable	Diagnosis	ICD-10-CM
G40411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G408	Other epilepsy and recurrent seizures	Diagnosis	ICD-10-CM
G4080	Other epilepsy	Diagnosis	ICD-10-CM
G40801	Other epilepsy, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40802	Other epilepsy, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G40803	Other epilepsy, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40804	Other epilepsy, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G409	Epilepsy, unspecified	Diagnosis	ICD-10-CM
G4090	Epilepsy, unspecified, not intractable	Diagnosis	ICD-10-CM
G40901	Epilepsy, unspecified, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40909	Epilepsy, unspecified, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G4091	Epilepsy, unspecified, intractable	Diagnosis	ICD-10-CM
G40911	Epilepsy, unspecified, intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40919	Epilepsy, unspecified, intractable, without status epilepticus	Diagnosis	ICD-10-CM
G40B	Juvenile myoclonic epilepsy [impulsive petit mal]	Diagnosis	ICD-10-CM
G40B0	Juvenile myoclonic epilepsy, not intractable	Diagnosis	ICD-10-CM
G40B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus	Diagnosis	ICD-10-CM
G40B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus	Diagnosis	ICD-10-CM
G40B1	Juvenile myoclonic epilepsy, intractable	Diagnosis	ICD-10-CM
G40B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G40B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus	Diagnosis	ICD-10-CM
Z820	Family history of epilepsy and other diseases of the nervous system	Diagnosis	ICD-10-CM
G610	Guillain-Barre syndrome	Diagnosis	ICD-10-CM
G650	Sequelae of Guillain-Barre syndrome	Diagnosis	ICD-10-CM
<b>Nicotine dependence (smoking)</b>			
Z720	Tobacco use	Diagnosis	ICD-10-CM
Z716	Tobacco abuse counseling	Diagnosis	ICD-10-CM
F17200	Nicotine dependence, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F17201	Nicotine dependence, unspecified, in remission	Diagnosis	ICD-10-CM
F17203	Nicotine dependence unspecified, with withdrawal	Diagnosis	ICD-10-CM
F17208	Nicotine dependence, unspecified, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17210	Nicotine dependence, cigarettes, uncomplicated	Diagnosis	ICD-10-CM
F17211	Nicotine dependence, cigarettes, in remission	Diagnosis	ICD-10-CM
F17213	Nicotine dependence, cigarettes, with withdrawal	Diagnosis	ICD-10-CM
F17218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17220	Nicotine dependence, chewing tobacco, uncomplicated	Diagnosis	ICD-10-CM
F17221	Nicotine dependence, chewing tobacco, in remission	Diagnosis	ICD-10-CM
F17223	Nicotine dependence, chewing tobacco, with withdrawal	Diagnosis	ICD-10-CM
F17228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17290	Nicotine dependence, other tobacco product, uncomplicated	Diagnosis	ICD-10-CM
F17291	Nicotine dependence, other tobacco product, in remission	Diagnosis	ICD-10-CM
F17293	Nicotine dependence, other tobacco product, with withdrawal	Diagnosis	ICD-10-CM
F17298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
T65211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65211D	Toxic effect of chewing tobacco, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65211S	Toxic effect of chewing tobacco, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T65212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65212D	Toxic effect of chewing tobacco, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65212S	Toxic effect of chewing tobacco, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T65213A	Toxic effect of chewing tobacco, assault, initial encounter	Diagnosis	ICD-10-CM
T65213D	Toxic effect of chewing tobacco, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65213S	Toxic effect of chewing tobacco, assault, sequela	Diagnosis	ICD-10-CM
T65214A	Toxic effect of chewing tobacco, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65214D	Toxic effect of chewing tobacco, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65214S	Toxic effect of chewing tobacco, undetermined, sequela	Diagnosis	ICD-10-CM
T65221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65221D	Toxic effect of tobacco cigarettes, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65221S	Toxic effect of tobacco cigarettes, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T65222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65222D	Toxic effect of tobacco cigarettes, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65222S	Toxic effect of tobacco cigarettes, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T65223A	Toxic effect of tobacco cigarettes, assault, initial encounter	Diagnosis	ICD-10-CM
T65223D	Toxic effect of tobacco cigarettes, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65223S	Toxic effect of tobacco cigarettes, assault, sequela	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
T65224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65224D	Toxic effect of tobacco cigarettes, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65224S	Toxic effect of tobacco cigarettes, undetermined, sequela	Diagnosis	ICD-10-CM
T65291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65291D	Toxic effect of other tobacco and nicotine, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65291S	Toxic effect of other tobacco and nicotine, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T65292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65292D	Toxic effect of other tobacco and nicotine, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65292S	Toxic effect of other tobacco and nicotine, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T65293A	Toxic effect of other tobacco and nicotine, assault, initial encounter	Diagnosis	ICD-10-CM
T65293D	Toxic effect of other tobacco and nicotine, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65293S	Toxic effect of other tobacco and nicotine, assault, sequela	Diagnosis	ICD-10-CM
T65294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65294D	Toxic effect of other tobacco and nicotine, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65294S	Toxic effect of other tobacco and nicotine, undetermined, sequela	Diagnosis	ICD-10-CM
Z87891	Personal history of nicotine dependence	Diagnosis	ICD-10-CM
1032F	Current tobacco smoker or currently exposed to secondhand smoke (asthma)	Procedure	CPT-2
1034F	Current tobacco smoker (cad, cap, copd, pv) (dm)	Procedure	CPT-2
1035F	Current smokeless tobacco user (eg, chew, snuff) (pv)	Procedure	CPT-2
4000F	Tobacco use cessation intervention, counseling (copd, cap, cad, asthma) (dm) (pv)	Procedure	CPT-2
4001F	Tobacco use cessation intervention, pharmacologic therapy (copd, cad, cap, pv, asthma) (dm)	Procedure	CPT-2
4004F	Patient screened for tobacco use and received tobacco cessation intervention (counseling, pharmacotherapy, or both), if identified as a tobacco user (pv, cad)	Procedure	CPT-2
99406	Smoking and tobacco use intermediate counseling, greater than 3 minutes up to 10 minutes	Procedure	CPT-4
99407	Smoking and tobacco use intensive counseling, greater than 10 minutes	Procedure	CPT-4
C9801	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes	Procedure	HCPCS
C9802	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes	Procedure	HCPCS
D1320	Tobacco counseling for the control and prevention of oral disease	Procedure	HCPCS
G0375	SMOKING AND TOBACCO USE CESSATION COUNSELING VISIT; INTERMEDIATE, GREATER THAN 3 MINUTES UP TO 10 MINUTES	Procedure	HCPCS
G0376	SMOKING AND TOBACCO USE CESSATION COUNSELING VISIT; INTENSIVE, GREATER THAN 10 MINUTES	Procedure	HCPCS
G0436	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes	Procedure	HCPCS
G0437	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes	Procedure	HCPCS
G8093	Newly diagnosed chronic obstructive pulmonary disease (copd) patient documented to have received smoking cessation intervention, within 3 months of diagnosis	Procedure	HCPCS
G8094	Newly diagnosed chronic obstructive pulmonary disease (copd) patient not documented to have received smoking cessation intervention, within 3 months of diagnosis	Procedure	HCPCS
G8402	Tobacco (smoke) use cessation intervention, counseling	Procedure	HCPCS
G8403	Tobacco (smoke) use cessation intervention not counseled	Procedure	HCPCS
G8453	Tobacco use cessation intervention, counseling	Procedure	HCPCS
G8454	Tobacco use cessation intervention not counseled, reason not specified	Procedure	HCPCS
G8455	Current tobacco smoker	Procedure	HCPCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G8456	Current smokeless tobacco user	Procedure	HCPCS
G8686	Currently a tobacco smoker or current exposure to secondhand smoke	Procedure	HCPCS
G8688	Currently a smokeless tobacco user (eg, chew, snuff) and no exposure to secondhand smoke	Procedure	HCPCS
G8690	Current tobacco smoker or current exposure to secondhand smoke	Procedure	HCPCS
G8692	Current smokeless tobacco user (eg, chew, snuff) and no exposure to secondhand smoke	Procedure	HCPCS
G9016	Smoking cessation counseling, individual, in the absence of or in addition to any other evaluation and management service, per session (6-10 minutes) demo project code only	Procedure	HCPCS
G9276	Documentation that patient is a current tobacco user	Procedure	HCPCS
G9458	Patient documented as tobacco user and received tobacco cessation intervention (must include at least one of the following: advice given to quit smoking or tobacco use, counseling on the benefits of q	Procedure	HCPCS
G9645	Patients who did not abstain from smoking prior to anesthesia on the day of surgery or procedure	Procedure	HCPCS
G9792	Most recent tobacco status is not tobacco free	Procedure	HCPCS
G9902	Patient screened for tobacco use and identified as a tobacco user	Procedure	HCPCS
G9906	Patient identified as a tobacco user received tobacco cessation intervention (counseling and/or pharmacotherapy)	Procedure	HCPCS
G9908	Patient identified as tobacco user did not receive tobacco cessation intervention (counseling and/or pharmacotherapy), reason not given	Procedure	HCPCS
G9909	Documentation of medical reason(s) for not providing tobacco cessation intervention if identified as a tobacco user (eg, limited life expectancy, other medical reason)	Procedure	HCPCS
S4990	Nicotine patches, legend	Procedure	HCPCS
S4991	Nicotine patches, non-legend	Procedure	HCPCS
S4995	Smoking cessation gum	Procedure	HCPCS
S9075	Smoking cessation treatment	Procedure	HCPCS
S9453	Smoking cessation classes, non-physician provider, per session	Procedure	HCPCS
<b>Obesity</b>			
E6601	Morbid (severe) obesity due to excess calories	Diagnosis	ICD-10-CM
E6609	Other obesity due to excess calories	Diagnosis	ICD-10-CM
E661	Drug-induced obesity	Diagnosis	ICD-10-CM
E662	Morbid (severe) obesity with alveolar hypoventilation	Diagnosis	ICD-10-CM
E668	Other obesity	Diagnosis	ICD-10-CM
E669	Obesity, unspecified	Diagnosis	ICD-10-CM
Z6830	Body mass index (BMI) 30.0-30.9, adult	Diagnosis	ICD-10-CM
Z6831	Body mass index (BMI) 31.0-31.9, adult	Diagnosis	ICD-10-CM
Z6832	Body mass index (BMI) 32.0-32.9, adult	Diagnosis	ICD-10-CM
Z6833	Body mass index (BMI) 33.0-33.9, adult	Diagnosis	ICD-10-CM
Z6834	Body mass index (BMI) 34.0-34.9, adult	Diagnosis	ICD-10-CM
Z6835	Body mass index (BMI) 35.0-35.9, adult	Diagnosis	ICD-10-CM
Z6836	Body mass index (BMI) 36.0-36.9, adult	Diagnosis	ICD-10-CM
Z6837	Body mass index (BMI) 37.0-37.9, adult	Diagnosis	ICD-10-CM
Z6838	Body mass index (BMI) 38.0-38.9, adult	Diagnosis	ICD-10-CM
Z6839	Body mass index (BMI) 39.0-39.9, adult	Diagnosis	ICD-10-CM
Z6841	Body mass index (BMI) 40.0-44.9, adult	Diagnosis	ICD-10-CM
Z6842	Body mass index (BMI) 45.0-49.9, adult	Diagnosis	ICD-10-CM
Z6843	Body mass index (BMI) 50-59.9, adult	Diagnosis	ICD-10-CM
Z6844	Body mass index (BMI) 60.0-69.9, adult	Diagnosis	ICD-10-CM
Z6845	Body mass index (BMI) 70 or greater, adult	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
Z9884	Bariatric surgery status	Diagnosis	ICD-10-CM
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D1687A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JA	Bypass Stomach to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0D168KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DQ64ZZ	Repair Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DV64CZ	Restriction of Stomach with Extraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
<b>Psychosis or psychotic disorder</b>			
F22	Delusional disorders	Diagnosis	ICD-10-CM
F23	Brief psychotic disorder	Diagnosis	ICD-10-CM
R440	Auditory hallucinations	Diagnosis	ICD-10-CM
R442	Other hallucinations	Diagnosis	ICD-10-CM
R443	Hallucinations, unspecified	Diagnosis	ICD-10-CM
F312	Bipolar disorder, current episode manic severe with psychotic features	Diagnosis	ICD-10-CM
F315	Bipolar disorder, current episode depressed, severe, with psychotic features	Diagnosis	ICD-10-CM
F3164	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F302	Manic episode, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F312	Bipolar disorder, current episode manic severe with psychotic features	Diagnosis	ICD-10-CM
F3164	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F28	Other psychotic disorder not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F29	Unspecified psychosis not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F060	Psychotic disorder with hallucinations due to known physiological condition	Diagnosis	ICD-10-CM
F062	Psychotic disorder with delusions due to known physiological condition	Diagnosis	ICD-10-CM
F061	Catatonic disorder due to known physiological condition	Diagnosis	ICD-10-CM
F10150	Alcohol abuse with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F10250	Alcohol dependence with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F10950	Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10951	Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10959	Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11150	Opioid abuse with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F11151	Opioid abuse with opioid-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F11159	Opioid abuse with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11250	Opioid dependence with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F11251	Opioid dependence with opioid-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F11259	Opioid dependence with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11950	Opioid use, unspecified with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
F11951	Opioid use, unspecified with opioid-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F11959	Opioid use, unspecified with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12150	Cannabis abuse with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12151	Cannabis abuse with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12159	Cannabis abuse with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12250	Cannabis dependence with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12251	Cannabis dependence with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12259	Cannabis dependence with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12950	Cannabis use, unspecified with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12951	Cannabis use, unspecified with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12959	Cannabis use, unspecified with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F13159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F13259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13950	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13951	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F13959	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14150	Cocaine abuse with cocaine-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F14151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14250	Cocaine dependence with cocaine-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F14251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14950	Cocaine use, unspecified with cocaine-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F14951	Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14959	Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F15151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F15159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F15251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F15259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F15951	Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucination	Diagnosis	ICD-10-CM
F15959	Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
F16151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F16159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F16251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F16259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16950	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F16951	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinatio	Diagnosis	ICD-10-CM
F16959	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18150	Inhalant abuse with inhalant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F18151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18250	Inhalant dependence with inhalant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F18251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18950	Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F18951	Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19950	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19951	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19959	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F200	Paranoid schizophrenia	Diagnosis	ICD-10-CM
F201	Disorganized schizophrenia	Diagnosis	ICD-10-CM
F202	Catatonic schizophrenia	Diagnosis	ICD-10-CM
F203	Undifferentiated schizophrenia	Diagnosis	ICD-10-CM
F205	Residual schizophrenia	Diagnosis	ICD-10-CM
F2081	Schizophreniform disorder	Diagnosis	ICD-10-CM
F2089	Other schizophrenia	Diagnosis	ICD-10-CM
F209	Schizophrenia, unspecified	Diagnosis	ICD-10-CM
F21	Schizotypal disorder	Diagnosis	ICD-10-CM
F22	Delusional disorders	Diagnosis	ICD-10-CM
F23	Brief psychotic disorder	Diagnosis	ICD-10-CM
F24	Shared psychotic disorder	Diagnosis	ICD-10-CM
F250	Schizoaffective disorder, bipolar type	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
F251	Schizoaffective disorder, depressive type	Diagnosis	ICD-10-CM
F258	Other schizoaffective disorders	Diagnosis	ICD-10-CM
F259	Schizoaffective disorder, unspecified	Diagnosis	ICD-10-CM
<b>Rheumatological and inflammatory disease</b>			
D860	Sarcoidosis of lung	Diagnosis	ICD-10-CM
D861	Sarcoidosis of lymph nodes	Diagnosis	ICD-10-CM
D862	Sarcoidosis of lung with sarcoidosis of lymph nodes	Diagnosis	ICD-10-CM
D863	Sarcoidosis of skin	Diagnosis	ICD-10-CM
D8681	Sarcoid meningitis	Diagnosis	ICD-10-CM
D8682	Multiple cranial nerve palsies in sarcoidosis	Diagnosis	ICD-10-CM
D8683	Sarcoid iridocyclitis	Diagnosis	ICD-10-CM
D8684	Sarcoid pyelonephritis	Diagnosis	ICD-10-CM
D8685	Sarcoid myocarditis	Diagnosis	ICD-10-CM
D8686	Sarcoid arthropathy	Diagnosis	ICD-10-CM
D8687	Sarcoid myositis	Diagnosis	ICD-10-CM
D8689	Sarcoidosis of other sites	Diagnosis	ICD-10-CM
D869	Sarcoidosis, unspecified	Diagnosis	ICD-10-CM
E850	Non-neuropathic heredofamilial amyloidosis	Diagnosis	ICD-10-CM
E851	Neuropathic heredofamilial amyloidosis	Diagnosis	ICD-10-CM
E852	Heredofamilial amyloidosis, unspecified	Diagnosis	ICD-10-CM
E853	Secondary systemic amyloidosis	Diagnosis	ICD-10-CM
E854	Organ-limited amyloidosis	Diagnosis	ICD-10-CM
E8581	Light chain (AL) amyloidosis	Diagnosis	ICD-10-CM
E8582	Wild-type transthyretin-related (ATTR) amyloidosis	Diagnosis	ICD-10-CM
E8589	Other amyloidosis	Diagnosis	ICD-10-CM
E859	Amyloidosis, unspecified	Diagnosis	ICD-10-CM
G35	Multiple sclerosis	Diagnosis	ICD-10-CM
G360	Neuromyelitis optica [Devic]	Diagnosis	ICD-10-CM
G370	Diffuse sclerosis of central nervous system	Diagnosis	ICD-10-CM
G371	Central demyelination of corpus callosum	Diagnosis	ICD-10-CM
G372	Central pontine myelinolysis	Diagnosis	ICD-10-CM
G373	Acute transverse myelitis in demyelinating disease of central nervous system	Diagnosis	ICD-10-CM
G374	Subacute necrotizing myelitis of central nervous system	Diagnosis	ICD-10-CM
G375	Concentric sclerosis [Balo] of central nervous system	Diagnosis	ICD-10-CM
G378	Other specified demyelinating diseases of central nervous system	Diagnosis	ICD-10-CM
G6181	Chronic inflammatory demyelinating polyneuritis	Diagnosis	ICD-10-CM
G6182	Multifocal motor neuropathies (inflammatory)	Diagnosis	ICD-10-CM
G6189	Other inflammatory polyneuropathies	Diagnosis	ICD-10-CM
G619	Inflammatory polyneuropathy, unspecified	Diagnosis	ICD-10-CM
G622	Polyneuropathy due to other toxic agents	Diagnosis	ICD-10-CM
G6281	Critical illness polyneuropathy	Diagnosis	ICD-10-CM
G63	Polyneuropathy in diseases classified elsewhere	Diagnosis	ICD-10-CM
I408	Other acute myocarditis	Diagnosis	ICD-10-CM
I409	Acute myocarditis, unspecified	Diagnosis	ICD-10-CM
I41	Myocarditis in diseases classified elsewhere	Diagnosis	ICD-10-CM
J679	Hypersensitivity pneumonitis due to unspecified organic dust	Diagnosis	ICD-10-CM
J8401	Alveolar proteinosis	Diagnosis	ICD-10-CM
J8402	Pulmonary alveolar microlithiasis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J8409	Other alveolar and parieto-alveolar conditions	Diagnosis	ICD-10-CM
J84111	Idiopathic interstitial pneumonia, not otherwise specified	Diagnosis	ICD-10-CM
J84112	Idiopathic pulmonary fibrosis	Diagnosis	ICD-10-CM
J84113	Idiopathic non-specific interstitial pneumonitis	Diagnosis	ICD-10-CM
J84114	Acute interstitial pneumonitis	Diagnosis	ICD-10-CM
J84115	Respiratory bronchiolitis interstitial lung disease	Diagnosis	ICD-10-CM
J84116	Cryptogenic organizing pneumonia	Diagnosis	ICD-10-CM
J84117	Desquamative interstitial pneumonia	Diagnosis	ICD-10-CM
J842	Lymphoid interstitial pneumonia	Diagnosis	ICD-10-CM
J8481	Lymphangioleiomyomatosis	Diagnosis	ICD-10-CM
J8482	Adult pulmonary Langerhans cell histiocytosis	Diagnosis	ICD-10-CM
J8483	Surfactant mutations of the lung	Diagnosis	ICD-10-CM
J84841	Neuroendocrine cell hyperplasia of infancy	Diagnosis	ICD-10-CM
J84842	Pulmonary interstitial glycofenosis	Diagnosis	ICD-10-CM
J84843	Alveolar capillary dysplasia with vein misalignment	Diagnosis	ICD-10-CM
J84848	Other interstitial lung diseases of childhood	Diagnosis	ICD-10-CM
K5000	Crohn's disease of small intestine without complications	Diagnosis	ICD-10-CM
K50011	Crohn's disease of small intestine with rectal bleeding	Diagnosis	ICD-10-CM
K50012	Crohn's disease of small intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50013	Crohn's disease of small intestine with fistula	Diagnosis	ICD-10-CM
K50014	Crohn's disease of small intestine with abscess	Diagnosis	ICD-10-CM
K50018	Crohn's disease of small intestine with other complication	Diagnosis	ICD-10-CM
K50019	Crohn's disease of small intestine with unspecified complications	Diagnosis	ICD-10-CM
K5010	Crohn's disease of large intestine without complications	Diagnosis	ICD-10-CM
K50111	Crohn's disease of large intestine with rectal bleeding	Diagnosis	ICD-10-CM
K50112	Crohn's disease of large intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50113	Crohn's disease of large intestine with fistula	Diagnosis	ICD-10-CM
K50114	Crohn's disease of large intestine with abscess	Diagnosis	ICD-10-CM
K50118	Crohn's disease of large intestine with other complication	Diagnosis	ICD-10-CM
K50119	Crohn's disease of large intestine with unspecified complications	Diagnosis	ICD-10-CM
K5080	Crohn's disease of both small and large intestine without complications	Diagnosis	ICD-10-CM
K50811	Crohn's disease of both small and large intestine with rectal bleeding	Diagnosis	ICD-10-CM
K50812	Crohn's disease of both small and large intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50813	Crohn's disease of both small and large intestine with fistula	Diagnosis	ICD-10-CM
K50814	Crohn's disease of both small and large intestine with abscess	Diagnosis	ICD-10-CM
K50818	Crohn's disease of both small and large intestine with other complication	Diagnosis	ICD-10-CM
K50819	Crohn's disease of both small and large intestine with unspecified complications	Diagnosis	ICD-10-CM
K5090	Crohn's disease, unspecified, without complications	Diagnosis	ICD-10-CM
K50911	Crohn's disease, unspecified, with rectal bleeding	Diagnosis	ICD-10-CM
K50912	Crohn's disease, unspecified, with intestinal obstruction	Diagnosis	ICD-10-CM
K50913	Crohn's disease, unspecified, with fistula	Diagnosis	ICD-10-CM
K50914	Crohn's disease, unspecified, with abscess	Diagnosis	ICD-10-CM
K50918	Crohn's disease, unspecified, with other complication	Diagnosis	ICD-10-CM
K50919	Crohn's disease, unspecified, with unspecified complications	Diagnosis	ICD-10-CM
K5100	Ulcerative (chronic) pancolitis without complications	Diagnosis	ICD-10-CM
K51011	Ulcerative (chronic) pancolitis with rectal bleeding	Diagnosis	ICD-10-CM
K51012	Ulcerative (chronic) pancolitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51013	Ulcerative (chronic) pancolitis with fistula	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
K51014	Ulcerative (chronic) pancolitis with abscess	Diagnosis	ICD-10-CM
K51018	Ulcerative (chronic) pancolitis with other complication	Diagnosis	ICD-10-CM
K51019	Ulcerative (chronic) pancolitis with unspecified complications	Diagnosis	ICD-10-CM
K5120	Ulcerative (chronic) proctitis without complications	Diagnosis	ICD-10-CM
K51211	Ulcerative (chronic) proctitis with rectal bleeding	Diagnosis	ICD-10-CM
K51212	Ulcerative (chronic) proctitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51213	Ulcerative (chronic) proctitis with fistula	Diagnosis	ICD-10-CM
K51214	Ulcerative (chronic) proctitis with abscess	Diagnosis	ICD-10-CM
K51218	Ulcerative (chronic) proctitis with other complication	Diagnosis	ICD-10-CM
K51219	Ulcerative (chronic) proctitis with unspecified complications	Diagnosis	ICD-10-CM
K5130	Ulcerative (chronic) rectosigmoiditis without complications	Diagnosis	ICD-10-CM
K51311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	Diagnosis	ICD-10-CM
K51312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	Diagnosis	ICD-10-CM
K51313	Ulcerative (chronic) rectosigmoiditis with fistula	Diagnosis	ICD-10-CM
K51314	Ulcerative (chronic) rectosigmoiditis with abscess	Diagnosis	ICD-10-CM
K51318	Ulcerative (chronic) rectosigmoiditis with other complication	Diagnosis	ICD-10-CM
K51319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	Diagnosis	ICD-10-CM
K5140	Inflammatory polyps of colon without complications	Diagnosis	ICD-10-CM
K51411	Inflammatory polyps of colon with rectal bleeding	Diagnosis	ICD-10-CM
K51412	Inflammatory polyps of colon with intestinal obstruction	Diagnosis	ICD-10-CM
K51413	Inflammatory polyps of colon with fistula	Diagnosis	ICD-10-CM
K51414	Inflammatory polyps of colon with abscess	Diagnosis	ICD-10-CM
K51418	Inflammatory polyps of colon with other complication	Diagnosis	ICD-10-CM
K51419	Inflammatory polyps of colon with unspecified complications	Diagnosis	ICD-10-CM
K5150	Left sided colitis without complications	Diagnosis	ICD-10-CM
K51511	Left sided colitis with rectal bleeding	Diagnosis	ICD-10-CM
K51512	Left sided colitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51513	Left sided colitis with fistula	Diagnosis	ICD-10-CM
K51514	Left sided colitis with abscess	Diagnosis	ICD-10-CM
K51518	Left sided colitis with other complication	Diagnosis	ICD-10-CM
K51519	Left sided colitis with unspecified complications	Diagnosis	ICD-10-CM
K5180	Other ulcerative colitis without complications	Diagnosis	ICD-10-CM
K51811	Other ulcerative colitis with rectal bleeding	Diagnosis	ICD-10-CM
K51812	Other ulcerative colitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51813	Other ulcerative colitis with fistula	Diagnosis	ICD-10-CM
K51814	Other ulcerative colitis with abscess	Diagnosis	ICD-10-CM
K51818	Other ulcerative colitis with other complication	Diagnosis	ICD-10-CM
K51819	Other ulcerative colitis with unspecified complications	Diagnosis	ICD-10-CM
K5190	Ulcerative colitis, unspecified, without complications	Diagnosis	ICD-10-CM
K51911	Ulcerative colitis, unspecified with rectal bleeding	Diagnosis	ICD-10-CM
K51912	Ulcerative colitis, unspecified with intestinal obstruction	Diagnosis	ICD-10-CM
K51913	Ulcerative colitis, unspecified with fistula	Diagnosis	ICD-10-CM
K51914	Ulcerative colitis, unspecified with abscess	Diagnosis	ICD-10-CM
K51918	Ulcerative colitis, unspecified with other complication	Diagnosis	ICD-10-CM
K51919	Ulcerative colitis, unspecified with unspecified complications	Diagnosis	ICD-10-CM
K520	Gastroenteritis and colitis due to radiation	Diagnosis	ICD-10-CM
K521	Toxic gastroenteritis and colitis	Diagnosis	ICD-10-CM
K5221	Allergic and dietetic gastroenteritis and colitis ,Food protein-induced enterocolitis syndrome	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
K5222	Allergic and dietetic gastroenteritis and colitis,Food protein-induced enteropathy	Diagnosis	ICD-10-CM
K5229	Allergic and dietetic gastroenteritis and colitis,Other allergic and dietetic gastroenteritis and c	Diagnosis	ICD-10-CM
K5281	Eosinophilic gastritis or gastroenteritis	Diagnosis	ICD-10-CM
K5282	Eosinophilic colitis	Diagnosis	ICD-10-CM
K5289	Other specified noninfective gastroenteritis and colitis	Diagnosis	ICD-10-CM
K529	Noninfective gastroenteritis and colitis, unspecified	Diagnosis	ICD-10-CM
K55011	Acute (reversible) ischemia of small intestine,Focal (segmental) acute (reversible) ischemia of small intestine	Diagnosis	ICD-10-CM
K55012	Acute (reversible) ischemia of small intestine,Diffuse acute (reversible) ischemia of small inte	Diagnosis	ICD-10-CM
K55019	Acute (reversible) ischemia of small intestine,extent unspecified	Diagnosis	ICD-10-CM
K551	Chronic vascular disorders of intestine	Diagnosis	ICD-10-CM
K559	Vascular disorder of intestine, unspecified	Diagnosis	ICD-10-CM
I400	Infective myocarditis	Diagnosis	ICD-10-CM
I401	Isolated myocarditis	Diagnosis	ICD-10-CM
L930	Discoid lupus erythematosus	Diagnosis	ICD-10-CM
L931	Subacute cutaneous lupus erythematosus	Diagnosis	ICD-10-CM
L932	Other local lupus erythematosus	Diagnosis	ICD-10-CM
M02	Postinfective and reactive arthropathies	Diagnosis	ICD-10-CM
M020	Arthropathy following intestinal bypass	Diagnosis	ICD-10-CM
M0200	Arthropathy following intestinal bypass, unspecified site	Diagnosis	ICD-10-CM
M0201	Arthropathy following intestinal bypass, shoulder	Diagnosis	ICD-10-CM
M02011	Arthropathy following intestinal bypass, right shoulder	Diagnosis	ICD-10-CM
M02012	Arthropathy following intestinal bypass, left shoulder	Diagnosis	ICD-10-CM
M02019	Arthropathy following intestinal bypass, unspecified shoulder	Diagnosis	ICD-10-CM
M0202	Arthropathy following intestinal bypass, elbow	Diagnosis	ICD-10-CM
M02021	Arthropathy following intestinal bypass, right elbow	Diagnosis	ICD-10-CM
M02022	Arthropathy following intestinal bypass, left elbow	Diagnosis	ICD-10-CM
M02029	Arthropathy following intestinal bypass, unspecified elbow	Diagnosis	ICD-10-CM
M0203	Arthropathy following intestinal bypass, wrist	Diagnosis	ICD-10-CM
M02031	Arthropathy following intestinal bypass, right wrist	Diagnosis	ICD-10-CM
M02032	Arthropathy following intestinal bypass, left wrist	Diagnosis	ICD-10-CM
M02039	Arthropathy following intestinal bypass, unspecified wrist	Diagnosis	ICD-10-CM
M0204	Arthropathy following intestinal bypass, hand	Diagnosis	ICD-10-CM
M02041	Arthropathy following intestinal bypass, right hand	Diagnosis	ICD-10-CM
M02042	Arthropathy following intestinal bypass, left hand	Diagnosis	ICD-10-CM
M02049	Arthropathy following intestinal bypass, unspecified hand	Diagnosis	ICD-10-CM
M0205	Arthropathy following intestinal bypass, hip	Diagnosis	ICD-10-CM
M02051	Arthropathy following intestinal bypass, right hip	Diagnosis	ICD-10-CM
M02052	Arthropathy following intestinal bypass, left hip	Diagnosis	ICD-10-CM
M02059	Arthropathy following intestinal bypass, unspecified hip	Diagnosis	ICD-10-CM
M0206	Arthropathy following intestinal bypass, knee	Diagnosis	ICD-10-CM
M02061	Arthropathy following intestinal bypass, right knee	Diagnosis	ICD-10-CM
M02062	Arthropathy following intestinal bypass, left knee	Diagnosis	ICD-10-CM
M02069	Arthropathy following intestinal bypass, unspecified knee	Diagnosis	ICD-10-CM
M0207	Arthropathy following intestinal bypass, ankle and foot	Diagnosis	ICD-10-CM
M02071	Arthropathy following intestinal bypass, right ankle and foot	Diagnosis	ICD-10-CM
M02072	Arthropathy following intestinal bypass, left ankle and foot	Diagnosis	ICD-10-CM
M02079	Arthropathy following intestinal bypass, unspecified ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0208	Arthropathy following intestinal bypass, vertebrae	Diagnosis	ICD-10-CM
M0209	Arthropathy following intestinal bypass, multiple sites	Diagnosis	ICD-10-CM
M021	Postdysenteric arthropathy	Diagnosis	ICD-10-CM
M0210	Postdysenteric arthropathy, unspecified site	Diagnosis	ICD-10-CM
M0211	Postdysenteric arthropathy, shoulder	Diagnosis	ICD-10-CM
M02111	Postdysenteric arthropathy, right shoulder	Diagnosis	ICD-10-CM
M02112	Postdysenteric arthropathy, left shoulder	Diagnosis	ICD-10-CM
M02119	Postdysenteric arthropathy, unspecified shoulder	Diagnosis	ICD-10-CM
M0212	Postdysenteric arthropathy, elbow	Diagnosis	ICD-10-CM
M02121	Postdysenteric arthropathy, right elbow	Diagnosis	ICD-10-CM
M02122	Postdysenteric arthropathy, left elbow	Diagnosis	ICD-10-CM
M02129	Postdysenteric arthropathy, unspecified elbow	Diagnosis	ICD-10-CM
M0213	Postdysenteric arthropathy, wrist	Diagnosis	ICD-10-CM
M02131	Postdysenteric arthropathy, right wrist	Diagnosis	ICD-10-CM
M02132	Postdysenteric arthropathy, left wrist	Diagnosis	ICD-10-CM
M02139	Postdysenteric arthropathy, unspecified wrist	Diagnosis	ICD-10-CM
M0214	Postdysenteric arthropathy, hand	Diagnosis	ICD-10-CM
M02141	Postdysenteric arthropathy, right hand	Diagnosis	ICD-10-CM
M02142	Postdysenteric arthropathy, left hand	Diagnosis	ICD-10-CM
M02149	Postdysenteric arthropathy, unspecified hand	Diagnosis	ICD-10-CM
M0215	Postdysenteric arthropathy, hip	Diagnosis	ICD-10-CM
M02151	Postdysenteric arthropathy, right hip	Diagnosis	ICD-10-CM
M02152	Postdysenteric arthropathy, left hip	Diagnosis	ICD-10-CM
M02159	Postdysenteric arthropathy, unspecified hip	Diagnosis	ICD-10-CM
M0216	Postdysenteric arthropathy, knee	Diagnosis	ICD-10-CM
M02161	Postdysenteric arthropathy, right knee	Diagnosis	ICD-10-CM
M02162	Postdysenteric arthropathy, left knee	Diagnosis	ICD-10-CM
M02169	Postdysenteric arthropathy, unspecified knee	Diagnosis	ICD-10-CM
M0217	Postdysenteric arthropathy, ankle and foot	Diagnosis	ICD-10-CM
M02171	Postdysenteric arthropathy, right ankle and foot	Diagnosis	ICD-10-CM
M02172	Postdysenteric arthropathy, left ankle and foot	Diagnosis	ICD-10-CM
M02179	Postdysenteric arthropathy, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0218	Postdysenteric arthropathy, vertebrae	Diagnosis	ICD-10-CM
M0219	Postdysenteric arthropathy, multiple sites	Diagnosis	ICD-10-CM
M022	Postimmunization arthropathy	Diagnosis	ICD-10-CM
M0220	Postimmunization arthropathy, unspecified site	Diagnosis	ICD-10-CM
M0221	Postimmunization arthropathy, shoulder	Diagnosis	ICD-10-CM
M02211	Postimmunization arthropathy, right shoulder	Diagnosis	ICD-10-CM
M02212	Postimmunization arthropathy, left shoulder	Diagnosis	ICD-10-CM
M02219	Postimmunization arthropathy, unspecified shoulder	Diagnosis	ICD-10-CM
M0222	Postimmunization arthropathy, elbow	Diagnosis	ICD-10-CM
M02221	Postimmunization arthropathy, right elbow	Diagnosis	ICD-10-CM
M02222	Postimmunization arthropathy, left elbow	Diagnosis	ICD-10-CM
M02229	Postimmunization arthropathy, unspecified elbow	Diagnosis	ICD-10-CM
M0223	Postimmunization arthropathy, wrist	Diagnosis	ICD-10-CM
M02231	Postimmunization arthropathy, right wrist	Diagnosis	ICD-10-CM
M02232	Postimmunization arthropathy, left wrist	Diagnosis	ICD-10-CM
M02239	Postimmunization arthropathy, unspecified wrist	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0224	Postimmunization arthropathy, hand	Diagnosis	ICD-10-CM
M02241	Postimmunization arthropathy, right hand	Diagnosis	ICD-10-CM
M02242	Postimmunization arthropathy, left hand	Diagnosis	ICD-10-CM
M02249	Postimmunization arthropathy, unspecified hand	Diagnosis	ICD-10-CM
M0225	Postimmunization arthropathy, hip	Diagnosis	ICD-10-CM
M02251	Postimmunization arthropathy, right hip	Diagnosis	ICD-10-CM
M02252	Postimmunization arthropathy, left hip	Diagnosis	ICD-10-CM
M02259	Postimmunization arthropathy, unspecified hip	Diagnosis	ICD-10-CM
M0226	Postimmunization arthropathy, knee	Diagnosis	ICD-10-CM
M02261	Postimmunization arthropathy, right knee	Diagnosis	ICD-10-CM
M02262	Postimmunization arthropathy, left knee	Diagnosis	ICD-10-CM
M02269	Postimmunization arthropathy, unspecified knee	Diagnosis	ICD-10-CM
M0227	Postimmunization arthropathy, ankle and foot	Diagnosis	ICD-10-CM
M02271	Postimmunization arthropathy, right ankle and foot	Diagnosis	ICD-10-CM
M02272	Postimmunization arthropathy, left ankle and foot	Diagnosis	ICD-10-CM
M02279	Postimmunization arthropathy, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0228	Postimmunization arthropathy, vertebrae	Diagnosis	ICD-10-CM
M0229	Postimmunization arthropathy, multiple sites	Diagnosis	ICD-10-CM
M023	Reiter's disease	Diagnosis	ICD-10-CM
M0230	Reiter's disease, unspecified site	Diagnosis	ICD-10-CM
M0231	Reiter's disease, shoulder	Diagnosis	ICD-10-CM
M02311	Reiter's disease, right shoulder	Diagnosis	ICD-10-CM
M02312	Reiter's disease, left shoulder	Diagnosis	ICD-10-CM
M02319	Reiter's disease, unspecified shoulder	Diagnosis	ICD-10-CM
M0232	Reiter's disease, elbow	Diagnosis	ICD-10-CM
M02321	Reiter's disease, right elbow	Diagnosis	ICD-10-CM
M02322	Reiter's disease, left elbow	Diagnosis	ICD-10-CM
M02329	Reiter's disease, unspecified elbow	Diagnosis	ICD-10-CM
M0233	Reiter's disease, wrist	Diagnosis	ICD-10-CM
M02331	Reiter's disease, right wrist	Diagnosis	ICD-10-CM
M02332	Reiter's disease, left wrist	Diagnosis	ICD-10-CM
M02339	Reiter's disease, unspecified wrist	Diagnosis	ICD-10-CM
M0234	Reiter's disease, hand	Diagnosis	ICD-10-CM
M02341	Reiter's disease, right hand	Diagnosis	ICD-10-CM
M02342	Reiter's disease, left hand	Diagnosis	ICD-10-CM
M02349	Reiter's disease, unspecified hand	Diagnosis	ICD-10-CM
M0235	Reiter's disease, hip	Diagnosis	ICD-10-CM
M02351	Reiter's disease, right hip	Diagnosis	ICD-10-CM
M02352	Reiter's disease, left hip	Diagnosis	ICD-10-CM
M02359	Reiter's disease, unspecified hip	Diagnosis	ICD-10-CM
M0236	Reiter's disease, knee	Diagnosis	ICD-10-CM
M02361	Reiter's disease, right knee	Diagnosis	ICD-10-CM
M02362	Reiter's disease, left knee	Diagnosis	ICD-10-CM
M02369	Reiter's disease, unspecified knee	Diagnosis	ICD-10-CM
M0237	Reiter's disease, ankle and foot	Diagnosis	ICD-10-CM
M02371	Reiter's disease, right ankle and foot	Diagnosis	ICD-10-CM
M02372	Reiter's disease, left ankle and foot	Diagnosis	ICD-10-CM
M02379	Reiter's disease, unspecified ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0238	Reiter's disease, vertebrae	Diagnosis	ICD-10-CM
M0239	Reiter's disease, multiple sites	Diagnosis	ICD-10-CM
M028	Other reactive arthropathies	Diagnosis	ICD-10-CM
M0280	Other reactive arthropathies, unspecified site	Diagnosis	ICD-10-CM
M0281	Other reactive arthropathies, shoulder	Diagnosis	ICD-10-CM
M02811	Other reactive arthropathies, right shoulder	Diagnosis	ICD-10-CM
M02812	Other reactive arthropathies, left shoulder	Diagnosis	ICD-10-CM
M02819	Other reactive arthropathies, unspecified shoulder	Diagnosis	ICD-10-CM
M0282	Other reactive arthropathies, elbow	Diagnosis	ICD-10-CM
M02821	Other reactive arthropathies, right elbow	Diagnosis	ICD-10-CM
M02822	Other reactive arthropathies, left elbow	Diagnosis	ICD-10-CM
M02829	Other reactive arthropathies, unspecified elbow	Diagnosis	ICD-10-CM
M0283	Other reactive arthropathies, wrist	Diagnosis	ICD-10-CM
M02831	Other reactive arthropathies, right wrist	Diagnosis	ICD-10-CM
M02832	Other reactive arthropathies, left wrist	Diagnosis	ICD-10-CM
M02839	Other reactive arthropathies, unspecified wrist	Diagnosis	ICD-10-CM
M0284	Other reactive arthropathies, hand	Diagnosis	ICD-10-CM
M02841	Other reactive arthropathies, right hand	Diagnosis	ICD-10-CM
M02842	Other reactive arthropathies, left hand	Diagnosis	ICD-10-CM
M02849	Other reactive arthropathies, unspecified hand	Diagnosis	ICD-10-CM
M0285	Other reactive arthropathies, hip	Diagnosis	ICD-10-CM
M02851	Other reactive arthropathies, right hip	Diagnosis	ICD-10-CM
M02852	Other reactive arthropathies, left hip	Diagnosis	ICD-10-CM
M02859	Other reactive arthropathies, unspecified hip	Diagnosis	ICD-10-CM
M0286	Other reactive arthropathies, knee	Diagnosis	ICD-10-CM
M02861	Other reactive arthropathies, right knee	Diagnosis	ICD-10-CM
M02862	Other reactive arthropathies, left knee	Diagnosis	ICD-10-CM
M02869	Other reactive arthropathies, unspecified knee	Diagnosis	ICD-10-CM
M0287	Other reactive arthropathies, ankle and foot	Diagnosis	ICD-10-CM
M02871	Other reactive arthropathies, right ankle and foot	Diagnosis	ICD-10-CM
M02872	Other reactive arthropathies, left ankle and foot	Diagnosis	ICD-10-CM
M02879	Other reactive arthropathies, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0288	Other reactive arthropathies, vertebrae	Diagnosis	ICD-10-CM
M0289	Other reactive arthropathies, multiple sites	Diagnosis	ICD-10-CM
M029	Reactive arthropathy, unspecified	Diagnosis	ICD-10-CM
M04	Autoinflammatory syndromes	Diagnosis	ICD-10-CM
M041	Periodic fever syndromes	Diagnosis	ICD-10-CM
M042	Cryopyrin-associated periodic syndromes	Diagnosis	ICD-10-CM
M048	Other autoinflammatory syndromes	Diagnosis	ICD-10-CM
M049	Autoinflammatory syndrome, unspecified	Diagnosis	ICD-10-CM
M05	Rheumatoid arthritis with rheumatoid factor	Diagnosis	ICD-10-CM
M050	Felty's syndrome	Diagnosis	ICD-10-CM
M0500	Felty's syndrome, unspecified site	Diagnosis	ICD-10-CM
M0501	Felty's syndrome, shoulder	Diagnosis	ICD-10-CM
M05011	Felty's syndrome, right shoulder	Diagnosis	ICD-10-CM
M05012	Felty's syndrome, left shoulder	Diagnosis	ICD-10-CM
M05019	Felty's syndrome, unspecified shoulder	Diagnosis	ICD-10-CM
M0502	Felty's syndrome, elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05021	Felty's syndrome, right elbow	Diagnosis	ICD-10-CM
M05022	Felty's syndrome, left elbow	Diagnosis	ICD-10-CM
M05029	Felty's syndrome, unspecified elbow	Diagnosis	ICD-10-CM
M0503	Felty's syndrome, wrist	Diagnosis	ICD-10-CM
M05031	Felty's syndrome, right wrist	Diagnosis	ICD-10-CM
M05032	Felty's syndrome, left wrist	Diagnosis	ICD-10-CM
M05039	Felty's syndrome, unspecified wrist	Diagnosis	ICD-10-CM
M0504	Felty's syndrome, hand	Diagnosis	ICD-10-CM
M05041	Felty's syndrome, right hand	Diagnosis	ICD-10-CM
M05042	Felty's syndrome, left hand	Diagnosis	ICD-10-CM
M05049	Felty's syndrome, unspecified hand	Diagnosis	ICD-10-CM
M0505	Felty's syndrome, hip	Diagnosis	ICD-10-CM
M05051	Felty's syndrome, right hip	Diagnosis	ICD-10-CM
M05052	Felty's syndrome, left hip	Diagnosis	ICD-10-CM
M05059	Felty's syndrome, unspecified hip	Diagnosis	ICD-10-CM
M0506	Felty's syndrome, knee	Diagnosis	ICD-10-CM
M05061	Felty's syndrome, right knee	Diagnosis	ICD-10-CM
M05062	Felty's syndrome, left knee	Diagnosis	ICD-10-CM
M05069	Felty's syndrome, unspecified knee	Diagnosis	ICD-10-CM
M05069	Felty's syndrome, unspecified knee	Diagnosis	ICD-10-CM
M0507	Felty's syndrome, ankle and foot	Diagnosis	ICD-10-CM
M05071	Felty's syndrome, right ankle and foot	Diagnosis	ICD-10-CM
M05072	Felty's syndrome, left ankle and foot	Diagnosis	ICD-10-CM
M05079	Felty's syndrome, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0509	Felty's syndrome, multiple sites	Diagnosis	ICD-10-CM
M051	Rheumatoid lung disease with rheumatoid arthritis	Diagnosis	ICD-10-CM
M0510	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M0511	Rheumatoid lung disease with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M0512	Rheumatoid lung disease with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M0513	Rheumatoid lung disease with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M0514	Rheumatoid lung disease with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05141	Rheumatoid lung disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05142	Rheumatoid lung disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M0515	Rheumatoid lung disease with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05151	Rheumatoid lung disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05152	Rheumatoid lung disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M0516	Rheumatoid lung disease with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05161	Rheumatoid lung disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05162	Rheumatoid lung disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M0517	Rheumatoid lung disease with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0519	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M052	Rheumatoid vasculitis with rheumatoid arthritis	Diagnosis	ICD-10-CM
M0520	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M0521	Rheumatoid vasculitis with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M0522	Rheumatoid vasculitis with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M0523	Rheumatoid vasculitis with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M0524	Rheumatoid vasculitis with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M0525	Rheumatoid vasculitis with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M0526	Rheumatoid vasculitis with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M0527	Rheumatoid vasculitis with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0529	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M053	Rheumatoid heart disease with rheumatoid arthritis	Diagnosis	ICD-10-CM
M0530	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M0531	Rheumatoid heart disease with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M0532	Rheumatoid heart disease with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M0533	Rheumatoid heart disease with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M0534	Rheumatoid heart disease with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05341	Rheumatoid heart disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05342	Rheumatoid heart disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M0535	Rheumatoid heart disease with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05351	Rheumatoid heart disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05352	Rheumatoid heart disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M0536	Rheumatoid heart disease with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05361	Rheumatoid heart disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05362	Rheumatoid heart disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M0537	Rheumatoid heart disease with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0539	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M054	Rheumatoid myopathy with rheumatoid arthritis	Diagnosis	ICD-10-CM
M0540	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M0541	Rheumatoid myopathy with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M0542	Rheumatoid myopathy with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M0543	Rheumatoid myopathy with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M0544	Rheumatoid myopathy with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05441	Rheumatoid myopathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05442	Rheumatoid myopathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M0545	Rheumatoid myopathy with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05451	Rheumatoid myopathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05452	Rheumatoid myopathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M0546	Rheumatoid myopathy with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05461	Rheumatoid myopathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05462	Rheumatoid myopathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0547	Rheumatoid myopathy with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0549	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M055	Rheumatoid polyneuropathy with rheumatoid arthritis	Diagnosis	ICD-10-CM
M0550	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M0551	Rheumatoid polyneuropathy with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M0552	Rheumatoid polyneuropathy with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M0553	Rheumatoid polyneuropathy with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M0554	Rheumatoid polyneuropathy with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M0555	Rheumatoid polyneuropathy with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M0556	Rheumatoid polyneuropathy with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M0557	Rheumatoid polyneuropathy with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0559	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M056	Rheumatoid arthritis with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0560	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0561	Rheumatoid arthritis of shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0562	Rheumatoid arthritis of elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0563	Rheumatoid arthritis of wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0564	Rheumatoid arthritis of hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05641	Rheumatoid arthritis of right hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05642	Rheumatoid arthritis of left hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0565	Rheumatoid arthritis of hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05651	Rheumatoid arthritis of right hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05652	Rheumatoid arthritis of left hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0566	Rheumatoid arthritis of knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05661	Rheumatoid arthritis of right knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05662	Rheumatoid arthritis of left knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0567	Rheumatoid arthritis of ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0569	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	Diagnosis	ICD-10-CM
M057	Rheumatoid arthritis with rheumatoid factor without organ or systems involvement	Diagnosis	ICD-10-CM
M0570	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	Diagnosis	ICD-10-CM
M0571	Rheumatoid arthritis with rheumatoid factor of shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M0572	Rheumatoid arthritis with rheumatoid factor of elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M0573	Rheumatoid arthritis with rheumatoid factor of wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M0574	Rheumatoid arthritis with rheumatoid factor of hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	Diagnosis	ICD-10-CM
M0575	Rheumatoid arthritis with rheumatoid factor of hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	Diagnosis	ICD-10-CM
M0576	Rheumatoid arthritis with rheumatoid factor of knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	Diagnosis	ICD-10-CM
M0577	Rheumatoid arthritis with rheumatoid factor of ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M0579	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	Diagnosis	ICD-10-CM
M058	Other rheumatoid arthritis with rheumatoid factor	Diagnosis	ICD-10-CM
M0580	Other rheumatoid arthritis with rheumatoid factor of unspecified site	Diagnosis	ICD-10-CM
M0581	Other rheumatoid arthritis with rheumatoid factor of shoulder	Diagnosis	ICD-10-CM
M05811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	Diagnosis	ICD-10-CM
M05812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	Diagnosis	ICD-10-CM
M05819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	Diagnosis	ICD-10-CM
M0582	Other rheumatoid arthritis with rheumatoid factor of elbow	Diagnosis	ICD-10-CM
M05821	Other rheumatoid arthritis with rheumatoid factor of right elbow	Diagnosis	ICD-10-CM
M05822	Other rheumatoid arthritis with rheumatoid factor of left elbow	Diagnosis	ICD-10-CM
M05829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	Diagnosis	ICD-10-CM
M0583	Other rheumatoid arthritis with rheumatoid factor of wrist	Diagnosis	ICD-10-CM
M05831	Other rheumatoid arthritis with rheumatoid factor of right wrist	Diagnosis	ICD-10-CM
M05832	Other rheumatoid arthritis with rheumatoid factor of left wrist	Diagnosis	ICD-10-CM
M05839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	Diagnosis	ICD-10-CM
M0584	Other rheumatoid arthritis with rheumatoid factor of hand	Diagnosis	ICD-10-CM
M05841	Other rheumatoid arthritis with rheumatoid factor of right hand	Diagnosis	ICD-10-CM
M05842	Other rheumatoid arthritis with rheumatoid factor of left hand	Diagnosis	ICD-10-CM
M05849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	Diagnosis	ICD-10-CM
M0585	Other rheumatoid arthritis with rheumatoid factor of hip	Diagnosis	ICD-10-CM
M05851	Other rheumatoid arthritis with rheumatoid factor of right hip	Diagnosis	ICD-10-CM
M05852	Other rheumatoid arthritis with rheumatoid factor of left hip	Diagnosis	ICD-10-CM
M05859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0586	Other rheumatoid arthritis with rheumatoid factor of knee	Diagnosis	ICD-10-CM
M05861	Other rheumatoid arthritis with rheumatoid factor of right knee	Diagnosis	ICD-10-CM
M05862	Other rheumatoid arthritis with rheumatoid factor of left knee	Diagnosis	ICD-10-CM
M05869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	Diagnosis	ICD-10-CM
M0587	Other rheumatoid arthritis with rheumatoid factor of ankle and foot	Diagnosis	ICD-10-CM
M05871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	Diagnosis	ICD-10-CM
M05872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	Diagnosis	ICD-10-CM
M05879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0589	Other rheumatoid arthritis with rheumatoid factor of multiple sites	Diagnosis	ICD-10-CM
M059	Rheumatoid arthritis with rheumatoid factor, unspecified	Diagnosis	ICD-10-CM
M060	Rheumatoid arthritis without rheumatoid factor	Diagnosis	ICD-10-CM
M0600	Rheumatoid arthritis without rheumatoid factor, unspecified site	Diagnosis	ICD-10-CM
M0601	Rheumatoid arthritis without rheumatoid factor, shoulder	Diagnosis	ICD-10-CM
M06011	Rheumatoid arthritis without rheumatoid factor, right shoulder	Diagnosis	ICD-10-CM
M06012	Rheumatoid arthritis without rheumatoid factor, left shoulder	Diagnosis	ICD-10-CM
M06019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	Diagnosis	ICD-10-CM
M0602	Rheumatoid arthritis without rheumatoid factor, elbow	Diagnosis	ICD-10-CM
M06021	Rheumatoid arthritis without rheumatoid factor, right elbow	Diagnosis	ICD-10-CM
M06022	Rheumatoid arthritis without rheumatoid factor, left elbow	Diagnosis	ICD-10-CM
M06029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	Diagnosis	ICD-10-CM
M0603	Rheumatoid arthritis without rheumatoid factor, wrist	Diagnosis	ICD-10-CM
M06031	Rheumatoid arthritis without rheumatoid factor, right wrist	Diagnosis	ICD-10-CM
M06032	Rheumatoid arthritis without rheumatoid factor, left wrist	Diagnosis	ICD-10-CM
M06039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	Diagnosis	ICD-10-CM
M0604	Rheumatoid arthritis without rheumatoid factor, hand	Diagnosis	ICD-10-CM
M06041	Rheumatoid arthritis without rheumatoid factor, right hand	Diagnosis	ICD-10-CM
M06042	Rheumatoid arthritis without rheumatoid factor, left hand	Diagnosis	ICD-10-CM
M06049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	Diagnosis	ICD-10-CM
M0605	Rheumatoid arthritis without rheumatoid factor, hip	Diagnosis	ICD-10-CM
M06051	Rheumatoid arthritis without rheumatoid factor, right hip	Diagnosis	ICD-10-CM
M06052	Rheumatoid arthritis without rheumatoid factor, left hip	Diagnosis	ICD-10-CM
M06059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	Diagnosis	ICD-10-CM
M0606	Rheumatoid arthritis without rheumatoid factor, knee	Diagnosis	ICD-10-CM
M06061	Rheumatoid arthritis without rheumatoid factor, right knee	Diagnosis	ICD-10-CM
M06062	Rheumatoid arthritis without rheumatoid factor, left knee	Diagnosis	ICD-10-CM
M06069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	Diagnosis	ICD-10-CM
M0607	Rheumatoid arthritis without rheumatoid factor, ankle and foot	Diagnosis	ICD-10-CM
M06071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	Diagnosis	ICD-10-CM
M06072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	Diagnosis	ICD-10-CM
M06079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0608	Rheumatoid arthritis without rheumatoid factor, vertebrae	Diagnosis	ICD-10-CM
M0609	Rheumatoid arthritis without rheumatoid factor, multiple sites	Diagnosis	ICD-10-CM
M061	Adult-onset Still's disease	Diagnosis	ICD-10-CM
M062	Rheumatoid bursitis	Diagnosis	ICD-10-CM
M0620	Rheumatoid bursitis, unspecified site	Diagnosis	ICD-10-CM
M0621	Rheumatoid bursitis, shoulder	Diagnosis	ICD-10-CM
M06211	Rheumatoid bursitis, right shoulder	Diagnosis	ICD-10-CM
M06212	Rheumatoid bursitis, left shoulder	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M06219	Rheumatoid bursitis, unspecified shoulder	Diagnosis	ICD-10-CM
M0622	Rheumatoid bursitis, elbow	Diagnosis	ICD-10-CM
M06221	Rheumatoid bursitis, right elbow	Diagnosis	ICD-10-CM
M06222	Rheumatoid bursitis, left elbow	Diagnosis	ICD-10-CM
M06229	Rheumatoid bursitis, unspecified elbow	Diagnosis	ICD-10-CM
M0623	Rheumatoid bursitis, wrist	Diagnosis	ICD-10-CM
M06231	Rheumatoid bursitis, right wrist	Diagnosis	ICD-10-CM
M06232	Rheumatoid bursitis, left wrist	Diagnosis	ICD-10-CM
M06239	Rheumatoid bursitis, unspecified wrist	Diagnosis	ICD-10-CM
M0624	Rheumatoid bursitis, hand	Diagnosis	ICD-10-CM
M06241	Rheumatoid bursitis, right hand	Diagnosis	ICD-10-CM
M06242	Rheumatoid bursitis, left hand	Diagnosis	ICD-10-CM
M06249	Rheumatoid bursitis, unspecified hand	Diagnosis	ICD-10-CM
M0625	Rheumatoid bursitis, hip	Diagnosis	ICD-10-CM
M06251	Rheumatoid bursitis, right hip	Diagnosis	ICD-10-CM
M06252	Rheumatoid bursitis, left hip	Diagnosis	ICD-10-CM
M06259	Rheumatoid bursitis, unspecified hip	Diagnosis	ICD-10-CM
M0626	Rheumatoid bursitis, knee	Diagnosis	ICD-10-CM
M06261	Rheumatoid bursitis, right knee	Diagnosis	ICD-10-CM
M06262	Rheumatoid bursitis, left knee	Diagnosis	ICD-10-CM
M06269	Rheumatoid bursitis, unspecified knee	Diagnosis	ICD-10-CM
M0627	Rheumatoid bursitis, ankle and foot	Diagnosis	ICD-10-CM
M06271	Rheumatoid bursitis, right ankle and foot	Diagnosis	ICD-10-CM
M06272	Rheumatoid bursitis, left ankle and foot	Diagnosis	ICD-10-CM
M06279	Rheumatoid bursitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0628	Rheumatoid bursitis, vertebrae	Diagnosis	ICD-10-CM
M0629	Rheumatoid bursitis, multiple sites	Diagnosis	ICD-10-CM
M063	Rheumatoid nodule	Diagnosis	ICD-10-CM
M0630	Rheumatoid nodule, unspecified site	Diagnosis	ICD-10-CM
M0631	Rheumatoid nodule, shoulder	Diagnosis	ICD-10-CM
M06311	Rheumatoid nodule, right shoulder	Diagnosis	ICD-10-CM
M06312	Rheumatoid nodule, left shoulder	Diagnosis	ICD-10-CM
M06319	Rheumatoid nodule, unspecified shoulder	Diagnosis	ICD-10-CM
M0632	Rheumatoid nodule, elbow	Diagnosis	ICD-10-CM
M06321	Rheumatoid nodule, right elbow	Diagnosis	ICD-10-CM
M06322	Rheumatoid nodule, left elbow	Diagnosis	ICD-10-CM
M06329	Rheumatoid nodule, unspecified elbow	Diagnosis	ICD-10-CM
M0633	Rheumatoid nodule, wrist	Diagnosis	ICD-10-CM
M06331	Rheumatoid nodule, right wrist	Diagnosis	ICD-10-CM
M06332	Rheumatoid nodule, left wrist	Diagnosis	ICD-10-CM
M06339	Rheumatoid nodule, unspecified wrist	Diagnosis	ICD-10-CM
M0634	Rheumatoid nodule, hand	Diagnosis	ICD-10-CM
M06341	Rheumatoid nodule, right hand	Diagnosis	ICD-10-CM
M06342	Rheumatoid nodule, left hand	Diagnosis	ICD-10-CM
M06349	Rheumatoid nodule, unspecified hand	Diagnosis	ICD-10-CM
M0635	Rheumatoid nodule, hip	Diagnosis	ICD-10-CM
M06351	Rheumatoid nodule, right hip	Diagnosis	ICD-10-CM
M06352	Rheumatoid nodule, left hip	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M06359	Rheumatoid nodule, unspecified hip	Diagnosis	ICD-10-CM
M0636	Rheumatoid nodule, knee	Diagnosis	ICD-10-CM
M06361	Rheumatoid nodule, right knee	Diagnosis	ICD-10-CM
M06362	Rheumatoid nodule, left knee	Diagnosis	ICD-10-CM
M06369	Rheumatoid nodule, unspecified knee	Diagnosis	ICD-10-CM
M0637	Rheumatoid nodule, ankle and foot	Diagnosis	ICD-10-CM
M06371	Rheumatoid nodule, right ankle and foot	Diagnosis	ICD-10-CM
M06372	Rheumatoid nodule, left ankle and foot	Diagnosis	ICD-10-CM
M06379	Rheumatoid nodule, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0638	Rheumatoid nodule, vertebrae	Diagnosis	ICD-10-CM
M0639	Rheumatoid nodule, multiple sites	Diagnosis	ICD-10-CM
M064	Inflammatory polyarthropathy	Diagnosis	ICD-10-CM
M068	Other specified rheumatoid arthritis	Diagnosis	ICD-10-CM
M0680	Other specified rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M0681	Other specified rheumatoid arthritis, shoulder	Diagnosis	ICD-10-CM
M06811	Other specified rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M06812	Other specified rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M06819	Other specified rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M0682	Other specified rheumatoid arthritis, elbow	Diagnosis	ICD-10-CM
M06821	Other specified rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M06822	Other specified rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M06829	Other specified rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M0683	Other specified rheumatoid arthritis, wrist	Diagnosis	ICD-10-CM
M06831	Other specified rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M06832	Other specified rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M06839	Other specified rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M0684	Other specified rheumatoid arthritis, hand	Diagnosis	ICD-10-CM
M06841	Other specified rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M06842	Other specified rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M06849	Other specified rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M0685	Other specified rheumatoid arthritis, hip	Diagnosis	ICD-10-CM
M06851	Other specified rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M06852	Other specified rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M06859	Other specified rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M0686	Other specified rheumatoid arthritis, knee	Diagnosis	ICD-10-CM
M06861	Other specified rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M06862	Other specified rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M06869	Other specified rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M0687	Other specified rheumatoid arthritis, ankle and foot	Diagnosis	ICD-10-CM
M06871	Other specified rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M06872	Other specified rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M06879	Other specified rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0688	Other specified rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M0689	Other specified rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M069	Rheumatoid arthritis, unspecified	Diagnosis	ICD-10-CM
M083	Juvenile rheumatoid polyarthritits (seronegative)	Diagnosis	ICD-10-CM
M0840	Pauciarticular juvenile rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M1200	Chronic postrheumatic arthropathy [Jaccoud], unspecified site	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M300	Polyarteritis nodosa	Diagnosis	ICD-10-CM
M301	Polyarteritis with lung involvement [Churg-Strauss]	Diagnosis	ICD-10-CM
M302	Juvenile polyarteritis	Diagnosis	ICD-10-CM
M303	Mucocutaneous lymph node syndrome [Kawasaki]	Diagnosis	ICD-10-CM
M308	Other conditions related to polyarteritis nodosa	Diagnosis	ICD-10-CM
M310	Hypersensitivity angiitis	Diagnosis	ICD-10-CM
M311	Thrombotic microangiopathy	Diagnosis	ICD-10-CM
M312	Lethal midline granuloma	Diagnosis	ICD-10-CM
M3130	Wegener's granulomatosis without renal involvement	Diagnosis	ICD-10-CM
M3131	Wegener's granulomatosis with renal involvement	Diagnosis	ICD-10-CM
M314	Aortic arch syndrome [Takayasu]	Diagnosis	ICD-10-CM
M315	Giant cell arteritis with polymyalgia rheumatica	Diagnosis	ICD-10-CM
M316	Other giant cell arteritis	Diagnosis	ICD-10-CM
M317	Microscopic polyangiitis	Diagnosis	ICD-10-CM
M318	Other specified necrotizing vasculopathies	Diagnosis	ICD-10-CM
M319	Necrotizing vasculopathy, unspecified	Diagnosis	ICD-10-CM
M320	Drug-induced systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3210	Systemic lupus erythematosus, organ or system involvement unspecified	Diagnosis	ICD-10-CM
M3211	Endocarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3212	Pericarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3213	Lung involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3214	Glomerular disease in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3215	Tubulo-interstitial nephropathy in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M3219	Other organ or system involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M328	Other forms of systemic lupus erythematosus	Diagnosis	ICD-10-CM
M329	Systemic lupus erythematosus, unspecified	Diagnosis	ICD-10-CM
M3300	Juvenile dermatomyositis, organ involvement unspecified	Diagnosis	ICD-10-CM
M3301	Juvenile dermatomyositis with respiratory involvement	Diagnosis	ICD-10-CM
M3302	Juvenile dermatomyositis with myopathy	Diagnosis	ICD-10-CM
M3309	Juvenile dermatomyositis with other organ involvement	Diagnosis	ICD-10-CM
M3310	Other dermatomyositis, organ involvement unspecified	Diagnosis	ICD-10-CM
M3311	Other dermatomyositis with respiratory involvement	Diagnosis	ICD-10-CM
M3312	Other dermatomyositis with myopathy	Diagnosis	ICD-10-CM
M3313	Other dermatomyositis without myopathy	Diagnosis	ICD-10-CM
M3319	Other dermatomyositis with other organ involvement	Diagnosis	ICD-10-CM
M3320	Polymyositis, organ involvement unspecified	Diagnosis	ICD-10-CM
M3321	Polymyositis with respiratory involvement	Diagnosis	ICD-10-CM
M3322	Polymyositis with myopathy	Diagnosis	ICD-10-CM
M3329	Polymyositis with other organ involvement	Diagnosis	ICD-10-CM
M3390	Dermatomyositis, unspecified, organ involvement unspecified	Diagnosis	ICD-10-CM
M3391	Dermatomyositis, unspecified with respiratory involvement	Diagnosis	ICD-10-CM
M3392	Dermatomyositis, unspecified with myopathy	Diagnosis	ICD-10-CM
M3393	Dermatomyositis, unspecified without myopathy	Diagnosis	ICD-10-CM
M3399	Dermatomyositis, unspecified with other organ involvement	Diagnosis	ICD-10-CM
M340	Systemic sclerosis [scleroderma], Progressive systemic sclerosis	Diagnosis	ICD-10-CM
M341	Systemic sclerosis [scleroderma] , CR(E)ST syndrome	Diagnosis	ICD-10-CM
M342	Systemic sclerosis induced by drug and chemical	Diagnosis	ICD-10-CM
M3481	Systemic sclerosis with lung involvement	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M3482	Systemic sclerosis with myopathy	Diagnosis	ICD-10-CM
M3483	Systemic sclerosis with polyneuropathy	Diagnosis	ICD-10-CM
M3489	Other systemic sclerosis	Diagnosis	ICD-10-CM
M349	Systemic sclerosis, unspecified	Diagnosis	ICD-10-CM
M3500	Sicca syndrome, unspecified	Diagnosis	ICD-10-CM
M3501	Sicca syndrome with keratoconjunctivitis	Diagnosis	ICD-10-CM
M3502	Sicca syndrome with lung involvement	Diagnosis	ICD-10-CM
M3503	Sicca syndrome with myopathy	Diagnosis	ICD-10-CM
M3504	Sicca syndrome with tubulo-interstitial nephropathy	Diagnosis	ICD-10-CM
M3509	Sicca syndrome with other organ involvement	Diagnosis	ICD-10-CM
M351	Other overlap syndromes	Diagnosis	ICD-10-CM
M352	Behcet's disease	Diagnosis	ICD-10-CM
M353	Polymyalgia rheumatica	Diagnosis	ICD-10-CM
M354	Diffuse (eosinophilic) fasciitis	Diagnosis	ICD-10-CM
M355	Multifocal fibrosclerosis	Diagnosis	ICD-10-CM
M356	Relapsing panniculitis [weber-christian]	Diagnosis	ICD-10-CM
M358	Other specified systemic involvement of connective tissue	Diagnosis	ICD-10-CM
M359	Systemic involvement of connective tissue, unspecified	Diagnosis	ICD-10-CM
M360	Dermato(poly)myositis in neoplastic disease	Diagnosis	ICD-10-CM
M368	Systemic disorders of connective tissue in other diseases classified elsewhere	Diagnosis	ICD-10-CM
M4600	Spinal enthesopathy, site unspecified	Diagnosis	ICD-10-CM
M4601	Spinal enthesopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4602	Spinal enthesopathy, cervical region	Diagnosis	ICD-10-CM
M4603	Spinal enthesopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4604	Spinal enthesopathy, thoracic region	Diagnosis	ICD-10-CM
M4605	Spinal enthesopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4606	Spinal enthesopathy, lumbar region	Diagnosis	ICD-10-CM
M4607	Spinal enthesopathy, lumbosacral region	Diagnosis	ICD-10-CM
M4608	Spinal enthesopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4609	Spinal enthesopathy, multiple sites in spine	Diagnosis	ICD-10-CM
M461	Sacroiliitis, not elsewhere classified	Diagnosis	ICD-10-CM
<b>Oxygen support</b>			
<b>Oxygen use</b>			
31730	Transtracheal (percutaneous) introduction of needle wire dilator/stent or indwelling tube for oxygen therapy	Procedure	CPT-4
A4620	Variable concentration mask	Procedure	HCPCS
E0465	Home ventilator, any type, used with invasive interface, (e.g., tracheostomy tube)	Procedure	HCPCS
A4615	Cannula, nasal	Procedure	HCPCS
E1405	Oxygen and water vapor enriching system with heated delivery	Procedure	HCPCS
E0487	Spirometer, electronic, includes all accessories	Procedure	HCPCS
E0444	Portable oxygen contents, liquid, 1 month's supply = 1 unit	Procedure	HCPCS
E0430	Portable gaseous oxygen system, purchase; includes regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E0425	Stationary compressed gas system, purchase; includes regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	Procedure	HCPCS
A0422	Ambulance (ALS or BLS) oxygen and oxygen supplies, life sustaining situation	Procedure	HCPCS
A4575	Topical hyperbaric oxygen chamber, disposable	Procedure	HCPCS
A4608	Transtracheal oxygen catheter, each	Procedure	HCPCS



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E0439	Stationary liquid oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, & tubing	Procedure	HCPCS
E0446	Topical oxygen delivery system, not otherwise specified, includes all supplies and accessories	Procedure	HCPCS
E0486	Oral device/appliance used to reduce upper airway collapsibility, adjustable or nonadjustable, custom fabricated, includes fitting and adjustment	Procedure	HCPCS
E0434	Portable liquid oxygen system, rental; includes portable container, supply reservoir, humidifier, flowmeter, refill adaptor, contents gauge, cannula or mask, and tubing	Procedure	HCPCS
E1352	Oxygen accessory, flow regulator capable of positive inspiratory pressure	Procedure	HCPCS
E0485	Oral device/appliance used to reduce upper airway collapsibility, adjustable or nonadjustable, prefabricated, includes fitting and adjustment	Procedure	HCPCS
E1406	Oxygen and water vapor enriching system without heated delivery	Procedure	HCPCS
E1356	Oxygen accessory, battery pack/cartridge for portable concentrator, any type, replacement	Procedure	HCPCS
A4627	Spacer, bag or reservoir, with or without mask, for use with metered dose inhaler	Procedure	HCPCS
E0433	Portable liquid oxygen system, rental; home liquefier used to fill portable liquid oxygen containers, includes portable containers, regulator, flowmeter, humidifier, cannula or mask and tubing, with or without supply reservoir and contents gauge	Procedure	HCPCS
E0442	Stationary oxygen contents, liquid, 1 month's supply = 1 unit	Procedure	HCPCS
E1392	Portable oxygen concentrator, rental	Procedure	HCPCS
E0435	Portable liquid oxygen system, purchase; includes portable container, supply reservoir, flowmeter, humidifier, contents gauge, cannula or mask, tubing and refill adaptor	Procedure	HCPCS
E0466	Home ventilator, any type, used with noninvasive interface, (e.g., mask, chest shell)	Procedure	HCPCS
A4623	Tracheostomy, inner cannula	Procedure	HCPCS
E1391	Oxygen concentrator, dual delivery port, capable of delivering 85 percent or greater oxygen concentration at the prescribed flow rate, each	Procedure	HCPCS
E1357	Oxygen accessory, battery charger for portable concentrator, any type, replacement only, each	Procedure	HCPCS
E1353	Regulator	Procedure	HCPCS
E0467	Home ventilator, multi-function respiratory device, also performs any or all of the additional functions of oxygen concentration, drug nebulization, aspiration, and cough stimulation, includes all accessories, components and supplies for all functions	Procedure	HCPCS
K0738	Portable gaseous oxygen system, rental; home compressor used to fill portable oxygen cylinders; includes portable containers, regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E0443	Portable oxygen contents, gaseous, 1 month's supply = 1 unit	Procedure	HCPCS
E0441	Stationary oxygen contents, gaseous, 1 month's supply = 1 unit	Procedure	HCPCS
E0431	Portable gaseous oxygen system, rental; includes portable container, regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E1354	Oxygen accessory, wheeled cart for portable cylinder or portable concentrator, any type, replacement only, each	Procedure	HCPCS
E0440	Stationary liquid oxygen system, purchase; includes use of reservoir, contents indicator, regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	Procedure	HCPCS
E1358	Oxygen accessory, DC power adapter for portable concentrator, any type, replacement only, each	Procedure	HCPCS
A4624	Tracheal suction catheter, any type other than closed system, each	Procedure	HCPCS
E0447	Portable oxygen contents, liquid, 1 month's supply = 1 unit, prescribed amount at rest or nighttime exceeds 4 liters per minute (LPM)	Procedure	HCPCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E0424	Stationary compressed gaseous oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	Procedure	HCPCS
Z9981	Dependence on supplemental oxygen	Diagnosis	ICD-10-CM
<b>Frailty</b>			
<b>Arthritis</b>			
M0500	Felty's syndrome, unspecified site	Diagnosis	ICD-10-CM
M05011	Felty's syndrome, right shoulder	Diagnosis	ICD-10-CM
M05012	Felty's syndrome, left shoulder	Diagnosis	ICD-10-CM
M05019	Felty's syndrome, unspecified shoulder	Diagnosis	ICD-10-CM
M05021	Felty's syndrome, right elbow	Diagnosis	ICD-10-CM
M05022	Felty's syndrome, left elbow	Diagnosis	ICD-10-CM
M05029	Felty's syndrome, unspecified elbow	Diagnosis	ICD-10-CM
M05031	Felty's syndrome, right wrist	Diagnosis	ICD-10-CM
M05032	Felty's syndrome, left wrist	Diagnosis	ICD-10-CM
M05039	Felty's syndrome, unspecified wrist	Diagnosis	ICD-10-CM
M05041	Felty's syndrome, right hand	Diagnosis	ICD-10-CM
M05042	Felty's syndrome, left hand	Diagnosis	ICD-10-CM
M05049	Felty's syndrome, unspecified hand	Diagnosis	ICD-10-CM
M05051	Felty's syndrome, right hip	Diagnosis	ICD-10-CM
M05052	Felty's syndrome, left hip	Diagnosis	ICD-10-CM
M05059	Felty's syndrome, unspecified hip	Diagnosis	ICD-10-CM
M05061	Felty's syndrome, right knee	Diagnosis	ICD-10-CM
M05062	Felty's syndrome, left knee	Diagnosis	ICD-10-CM
M05069	Felty's syndrome, unspecified knee	Diagnosis	ICD-10-CM
M05071	Felty's syndrome, right ankle and foot	Diagnosis	ICD-10-CM
M05072	Felty's syndrome, left ankle and foot	Diagnosis	ICD-10-CM
M05079	Felty's syndrome, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0509	Felty's syndrome, multiple sites	Diagnosis	ICD-10-CM
M0510	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05141	Rheumatoid lung disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05142	Rheumatoid lung disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05151	Rheumatoid lung disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05152	Rheumatoid lung disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05161	Rheumatoid lung disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05162	Rheumatoid lung disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0519	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M0520	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0529	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M0530	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05341	Rheumatoid heart disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05342	Rheumatoid heart disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05351	Rheumatoid heart disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05352	Rheumatoid heart disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05361	Rheumatoid heart disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05362	Rheumatoid heart disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M0539	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M0540	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05441	Rheumatoid myopathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05442	Rheumatoid myopathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05451	Rheumatoid myopathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05452	Rheumatoid myopathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05461	Rheumatoid myopathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05462	Rheumatoid myopathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0549	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M0550	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0559	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M0560	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05641	Rheumatoid arthritis of right hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05642	Rheumatoid arthritis of left hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05651	Rheumatoid arthritis of right hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05652	Rheumatoid arthritis of left hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05661	Rheumatoid arthritis of right knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05662	Rheumatoid arthritis of left knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0569	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	Diagnosis	ICD-10-CM
M0570	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	Diagnosis	ICD-10-CM
M05711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M05752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M0579	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	Diagnosis	ICD-10-CM
M0580	Other rheumatoid arthritis with rheumatoid factor of unspecified site	Diagnosis	ICD-10-CM
M05811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	Diagnosis	ICD-10-CM
M05812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	Diagnosis	ICD-10-CM
M05819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	Diagnosis	ICD-10-CM
M05821	Other rheumatoid arthritis with rheumatoid factor of right elbow	Diagnosis	ICD-10-CM
M05822	Other rheumatoid arthritis with rheumatoid factor of left elbow	Diagnosis	ICD-10-CM
M05829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	Diagnosis	ICD-10-CM
M05831	Other rheumatoid arthritis with rheumatoid factor of right wrist	Diagnosis	ICD-10-CM
M05832	Other rheumatoid arthritis with rheumatoid factor of left wrist	Diagnosis	ICD-10-CM
M05839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	Diagnosis	ICD-10-CM
M05841	Other rheumatoid arthritis with rheumatoid factor of right hand	Diagnosis	ICD-10-CM
M05842	Other rheumatoid arthritis with rheumatoid factor of left hand	Diagnosis	ICD-10-CM
M05849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	Diagnosis	ICD-10-CM
M05851	Other rheumatoid arthritis with rheumatoid factor of right hip	Diagnosis	ICD-10-CM
M05852	Other rheumatoid arthritis with rheumatoid factor of left hip	Diagnosis	ICD-10-CM
M05859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	Diagnosis	ICD-10-CM
M05861	Other rheumatoid arthritis with rheumatoid factor of right knee	Diagnosis	ICD-10-CM
M05862	Other rheumatoid arthritis with rheumatoid factor of left knee	Diagnosis	ICD-10-CM
M05869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	Diagnosis	ICD-10-CM
M05871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	Diagnosis	ICD-10-CM
M05872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	Diagnosis	ICD-10-CM
M05879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	Diagnosis	ICD-10-CM
M0589	Other rheumatoid arthritis with rheumatoid factor of multiple sites	Diagnosis	ICD-10-CM
M059	Rheumatoid arthritis with rheumatoid factor, unspecified	Diagnosis	ICD-10-CM
M0600	Rheumatoid arthritis without rheumatoid factor, unspecified site	Diagnosis	ICD-10-CM
M06011	Rheumatoid arthritis without rheumatoid factor, right shoulder	Diagnosis	ICD-10-CM
M06012	Rheumatoid arthritis without rheumatoid factor, left shoulder	Diagnosis	ICD-10-CM
M06019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	Diagnosis	ICD-10-CM
M06021	Rheumatoid arthritis without rheumatoid factor, right elbow	Diagnosis	ICD-10-CM
M06022	Rheumatoid arthritis without rheumatoid factor, left elbow	Diagnosis	ICD-10-CM
M06029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M06031	Rheumatoid arthritis without rheumatoid factor, right wrist	Diagnosis	ICD-10-CM
M06032	Rheumatoid arthritis without rheumatoid factor, left wrist	Diagnosis	ICD-10-CM
M06039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	Diagnosis	ICD-10-CM
M06041	Rheumatoid arthritis without rheumatoid factor, right hand	Diagnosis	ICD-10-CM
M06042	Rheumatoid arthritis without rheumatoid factor, left hand	Diagnosis	ICD-10-CM
M06049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	Diagnosis	ICD-10-CM
M06051	Rheumatoid arthritis without rheumatoid factor, right hip	Diagnosis	ICD-10-CM
M06052	Rheumatoid arthritis without rheumatoid factor, left hip	Diagnosis	ICD-10-CM
M06059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	Diagnosis	ICD-10-CM
M06061	Rheumatoid arthritis without rheumatoid factor, right knee	Diagnosis	ICD-10-CM
M06062	Rheumatoid arthritis without rheumatoid factor, left knee	Diagnosis	ICD-10-CM
M06069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	Diagnosis	ICD-10-CM
M06071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	Diagnosis	ICD-10-CM
M06072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	Diagnosis	ICD-10-CM
M06079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0608	Rheumatoid arthritis without rheumatoid factor, vertebrae	Diagnosis	ICD-10-CM
M0609	Rheumatoid arthritis without rheumatoid factor, multiple sites	Diagnosis	ICD-10-CM
M061	Adult-onset Still's disease	Diagnosis	ICD-10-CM
M0620	Rheumatoid bursitis, unspecified site	Diagnosis	ICD-10-CM
M06211	Rheumatoid bursitis, right shoulder	Diagnosis	ICD-10-CM
M06212	Rheumatoid bursitis, left shoulder	Diagnosis	ICD-10-CM
M06219	Rheumatoid bursitis, unspecified shoulder	Diagnosis	ICD-10-CM
M06221	Rheumatoid bursitis, right elbow	Diagnosis	ICD-10-CM
M06222	Rheumatoid bursitis, left elbow	Diagnosis	ICD-10-CM
M06229	Rheumatoid bursitis, unspecified elbow	Diagnosis	ICD-10-CM
M06231	Rheumatoid bursitis, right wrist	Diagnosis	ICD-10-CM
M06232	Rheumatoid bursitis, left wrist	Diagnosis	ICD-10-CM
M06239	Rheumatoid bursitis, unspecified wrist	Diagnosis	ICD-10-CM
M06241	Rheumatoid bursitis, right hand	Diagnosis	ICD-10-CM
M06242	Rheumatoid bursitis, left hand	Diagnosis	ICD-10-CM
M06249	Rheumatoid bursitis, unspecified hand	Diagnosis	ICD-10-CM
M06251	Rheumatoid bursitis, right hip	Diagnosis	ICD-10-CM
M06252	Rheumatoid bursitis, left hip	Diagnosis	ICD-10-CM
M06259	Rheumatoid bursitis, unspecified hip	Diagnosis	ICD-10-CM
M06261	Rheumatoid bursitis, right knee	Diagnosis	ICD-10-CM
M06262	Rheumatoid bursitis, left knee	Diagnosis	ICD-10-CM
M06269	Rheumatoid bursitis, unspecified knee	Diagnosis	ICD-10-CM
M06271	Rheumatoid bursitis, right ankle and foot	Diagnosis	ICD-10-CM
M06272	Rheumatoid bursitis, left ankle and foot	Diagnosis	ICD-10-CM
M06279	Rheumatoid bursitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0628	Rheumatoid bursitis, vertebrae	Diagnosis	ICD-10-CM
M0629	Rheumatoid bursitis, multiple sites	Diagnosis	ICD-10-CM
M0630	Rheumatoid nodule, unspecified site	Diagnosis	ICD-10-CM
M06311	Rheumatoid nodule, right shoulder	Diagnosis	ICD-10-CM
M06312	Rheumatoid nodule, left shoulder	Diagnosis	ICD-10-CM
M06319	Rheumatoid nodule, unspecified shoulder	Diagnosis	ICD-10-CM
M06321	Rheumatoid nodule, right elbow	Diagnosis	ICD-10-CM
M06322	Rheumatoid nodule, left elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M06329	Rheumatoid nodule, unspecified elbow	Diagnosis	ICD-10-CM
M06331	Rheumatoid nodule, right wrist	Diagnosis	ICD-10-CM
M06332	Rheumatoid nodule, left wrist	Diagnosis	ICD-10-CM
M06339	Rheumatoid nodule, unspecified wrist	Diagnosis	ICD-10-CM
M06341	Rheumatoid nodule, right hand	Diagnosis	ICD-10-CM
M06342	Rheumatoid nodule, left hand	Diagnosis	ICD-10-CM
M06349	Rheumatoid nodule, unspecified hand	Diagnosis	ICD-10-CM
M06351	Rheumatoid nodule, right hip	Diagnosis	ICD-10-CM
M06352	Rheumatoid nodule, left hip	Diagnosis	ICD-10-CM
M06359	Rheumatoid nodule, unspecified hip	Diagnosis	ICD-10-CM
M06361	Rheumatoid nodule, right knee	Diagnosis	ICD-10-CM
M06362	Rheumatoid nodule, left knee	Diagnosis	ICD-10-CM
M06369	Rheumatoid nodule, unspecified knee	Diagnosis	ICD-10-CM
M06371	Rheumatoid nodule, right ankle and foot	Diagnosis	ICD-10-CM
M06372	Rheumatoid nodule, left ankle and foot	Diagnosis	ICD-10-CM
M06379	Rheumatoid nodule, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0638	Rheumatoid nodule, vertebrae	Diagnosis	ICD-10-CM
M0639	Rheumatoid nodule, multiple sites	Diagnosis	ICD-10-CM
M064	Inflammatory polyarthropathy	Diagnosis	ICD-10-CM
M0680	Other specified rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M06811	Other specified rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M06812	Other specified rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M06819	Other specified rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M06821	Other specified rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M06822	Other specified rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M06829	Other specified rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M06831	Other specified rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M06832	Other specified rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M06839	Other specified rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M06841	Other specified rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M06842	Other specified rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M06849	Other specified rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M06851	Other specified rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M06852	Other specified rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M06859	Other specified rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M06861	Other specified rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M06862	Other specified rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M06869	Other specified rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M06871	Other specified rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M06872	Other specified rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M06879	Other specified rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0688	Other specified rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M0689	Other specified rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M069	Rheumatoid arthritis, unspecified	Diagnosis	ICD-10-CM
M0800	Unspecified juvenile rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M08011	Unspecified juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M08012	Unspecified juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M08021	Unspecified juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08022	Unspecified juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08031	Unspecified juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08032	Unspecified juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08041	Unspecified juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08042	Unspecified juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08049	Unspecified juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08051	Unspecified juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08052	Unspecified juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M08059	Unspecified juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08061	Unspecified juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08062	Unspecified juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08069	Unspecified juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0808	Unspecified juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M0809	Unspecified juvenile rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M081	Juvenile ankylosing spondylitis	Diagnosis	ICD-10-CM
M0820	Juvenile rheumatoid arthritis with systemic onset, unspecified site	Diagnosis	ICD-10-CM
M08211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	Diagnosis	ICD-10-CM
M08212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	Diagnosis	ICD-10-CM
M08219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	Diagnosis	ICD-10-CM
M08221	Juvenile rheumatoid arthritis with systemic onset, right elbow	Diagnosis	ICD-10-CM
M08222	Juvenile rheumatoid arthritis with systemic onset, left elbow	Diagnosis	ICD-10-CM
M08229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	Diagnosis	ICD-10-CM
M08231	Juvenile rheumatoid arthritis with systemic onset, right wrist	Diagnosis	ICD-10-CM
M08232	Juvenile rheumatoid arthritis with systemic onset, left wrist	Diagnosis	ICD-10-CM
M08239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	Diagnosis	ICD-10-CM
M08241	Juvenile rheumatoid arthritis with systemic onset, right hand	Diagnosis	ICD-10-CM
M08242	Juvenile rheumatoid arthritis with systemic onset, left hand	Diagnosis	ICD-10-CM
M08249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	Diagnosis	ICD-10-CM
M08251	Juvenile rheumatoid arthritis with systemic onset, right hip	Diagnosis	ICD-10-CM
M08252	Juvenile rheumatoid arthritis with systemic onset, left hip	Diagnosis	ICD-10-CM
M08259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	Diagnosis	ICD-10-CM
M08261	Juvenile rheumatoid arthritis with systemic onset, right knee	Diagnosis	ICD-10-CM
M08262	Juvenile rheumatoid arthritis with systemic onset, left knee	Diagnosis	ICD-10-CM
M08269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	Diagnosis	ICD-10-CM
M08271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	Diagnosis	ICD-10-CM
M08272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	Diagnosis	ICD-10-CM
M08279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0828	Juvenile rheumatoid arthritis with systemic onset, vertebrae	Diagnosis	ICD-10-CM
M0829	Juvenile rheumatoid arthritis with systemic onset, multiple sites	Diagnosis	ICD-10-CM
M083	Juvenile rheumatoid polyarthritis (seronegative)	Diagnosis	ICD-10-CM
M0840	Pauciarticular juvenile rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M08411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M08412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08421	Pauciarticular juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08422	Pauciarticular juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08431	Pauciarticular juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08432	Pauciarticular juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08441	Pauciarticular juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08442	Pauciarticular juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08451	Pauciarticular juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08452	Pauciarticular juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M08459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08461	Pauciarticular juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08462	Pauciarticular juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0848	Pauciarticular juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M0880	Other juvenile arthritis, unspecified site	Diagnosis	ICD-10-CM
M08811	Other juvenile arthritis, right shoulder	Diagnosis	ICD-10-CM
M08812	Other juvenile arthritis, left shoulder	Diagnosis	ICD-10-CM
M08819	Other juvenile arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08821	Other juvenile arthritis, right elbow	Diagnosis	ICD-10-CM
M08822	Other juvenile arthritis, left elbow	Diagnosis	ICD-10-CM
M08829	Other juvenile arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08831	Other juvenile arthritis, right wrist	Diagnosis	ICD-10-CM
M08832	Other juvenile arthritis, left wrist	Diagnosis	ICD-10-CM
M08839	Other juvenile arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08841	Other juvenile arthritis, right hand	Diagnosis	ICD-10-CM
M08842	Other juvenile arthritis, left hand	Diagnosis	ICD-10-CM
M08849	Other juvenile arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08851	Other juvenile arthritis, right hip	Diagnosis	ICD-10-CM
M08852	Other juvenile arthritis, left hip	Diagnosis	ICD-10-CM
M08859	Other juvenile arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08861	Other juvenile arthritis, right knee	Diagnosis	ICD-10-CM
M08862	Other juvenile arthritis, left knee	Diagnosis	ICD-10-CM
M08869	Other juvenile arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08871	Other juvenile arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08872	Other juvenile arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08879	Other juvenile arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0888	Other juvenile arthritis, other specified site	Diagnosis	ICD-10-CM
M0889	Other juvenile arthritis, multiple sites	Diagnosis	ICD-10-CM
M0890	Juvenile arthritis, unspecified, unspecified site	Diagnosis	ICD-10-CM
M08911	Juvenile arthritis, unspecified, right shoulder	Diagnosis	ICD-10-CM
M08912	Juvenile arthritis, unspecified, left shoulder	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M08919	Juvenile arthritis, unspecified, unspecified shoulder	Diagnosis	ICD-10-CM
M08921	Juvenile arthritis, unspecified, right elbow	Diagnosis	ICD-10-CM
M08922	Juvenile arthritis, unspecified, left elbow	Diagnosis	ICD-10-CM
M08929	Juvenile arthritis, unspecified, unspecified elbow	Diagnosis	ICD-10-CM
M08931	Juvenile arthritis, unspecified, right wrist	Diagnosis	ICD-10-CM
M08932	Juvenile arthritis, unspecified, left wrist	Diagnosis	ICD-10-CM
M08939	Juvenile arthritis, unspecified, unspecified wrist	Diagnosis	ICD-10-CM
M08941	Juvenile arthritis, unspecified, right hand	Diagnosis	ICD-10-CM
M08942	Juvenile arthritis, unspecified, left hand	Diagnosis	ICD-10-CM
M08949	Juvenile arthritis, unspecified, unspecified hand	Diagnosis	ICD-10-CM
M08951	Juvenile arthritis, unspecified, right hip	Diagnosis	ICD-10-CM
M08952	Juvenile arthritis, unspecified, left hip	Diagnosis	ICD-10-CM
M08959	Juvenile arthritis, unspecified, unspecified hip	Diagnosis	ICD-10-CM
M08961	Juvenile arthritis, unspecified, right knee	Diagnosis	ICD-10-CM
M08962	Juvenile arthritis, unspecified, left knee	Diagnosis	ICD-10-CM
M08969	Juvenile arthritis, unspecified, unspecified knee	Diagnosis	ICD-10-CM
M08971	Juvenile arthritis, unspecified, right ankle and foot	Diagnosis	ICD-10-CM
M08972	Juvenile arthritis, unspecified, left ankle and foot	Diagnosis	ICD-10-CM
M08979	Juvenile arthritis, unspecified, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0898	Juvenile arthritis, unspecified, vertebrae	Diagnosis	ICD-10-CM
M0899	Juvenile arthritis, unspecified, multiple sites	Diagnosis	ICD-10-CM
M1200	Chronic postrheumatic arthropathy [Jaccoud], unspecified site	Diagnosis	ICD-10-CM
M12011	Chronic postrheumatic arthropathy [Jaccoud], right shoulder	Diagnosis	ICD-10-CM
M12012	Chronic postrheumatic arthropathy [Jaccoud], left shoulder	Diagnosis	ICD-10-CM
M12019	Chronic postrheumatic arthropathy [Jaccoud], unspecified shoulder	Diagnosis	ICD-10-CM
M12021	Chronic postrheumatic arthropathy [Jaccoud], right elbow	Diagnosis	ICD-10-CM
M12022	Chronic postrheumatic arthropathy [Jaccoud], left elbow	Diagnosis	ICD-10-CM
M12029	Chronic postrheumatic arthropathy [Jaccoud], unspecified elbow	Diagnosis	ICD-10-CM
M12031	Chronic postrheumatic arthropathy [Jaccoud], right wrist	Diagnosis	ICD-10-CM
M12032	Chronic postrheumatic arthropathy [Jaccoud], left wrist	Diagnosis	ICD-10-CM
M12039	Chronic postrheumatic arthropathy [Jaccoud], unspecified wrist	Diagnosis	ICD-10-CM
M12041	Chronic postrheumatic arthropathy [Jaccoud], right hand	Diagnosis	ICD-10-CM
M12042	Chronic postrheumatic arthropathy [Jaccoud], left hand	Diagnosis	ICD-10-CM
M12049	Chronic postrheumatic arthropathy [Jaccoud], unspecified hand	Diagnosis	ICD-10-CM
M12051	Chronic postrheumatic arthropathy [Jaccoud], right hip	Diagnosis	ICD-10-CM
M12052	Chronic postrheumatic arthropathy [Jaccoud], left hip	Diagnosis	ICD-10-CM
M12059	Chronic postrheumatic arthropathy [Jaccoud], unspecified hip	Diagnosis	ICD-10-CM
M12061	Chronic postrheumatic arthropathy [Jaccoud], right knee	Diagnosis	ICD-10-CM
M12062	Chronic postrheumatic arthropathy [Jaccoud], left knee	Diagnosis	ICD-10-CM
M12069	Chronic postrheumatic arthropathy [Jaccoud], unspecified knee	Diagnosis	ICD-10-CM
M12071	Chronic postrheumatic arthropathy [Jaccoud], right ankle and foot	Diagnosis	ICD-10-CM
M12072	Chronic postrheumatic arthropathy [Jaccoud], left ankle and foot	Diagnosis	ICD-10-CM
M12079	Chronic postrheumatic arthropathy [Jaccoud], unspecified ankle and foot	Diagnosis	ICD-10-CM
M1208	Chronic postrheumatic arthropathy [Jaccoud], other specified site	Diagnosis	ICD-10-CM
M1209	Chronic postrheumatic arthropathy [Jaccoud], multiple sites	Diagnosis	ICD-10-CM
M150	Primary generalized (osteo)arthritis	Diagnosis	ICD-10-CM
M151	Heberden's nodes (with arthropathy)	Diagnosis	ICD-10-CM
M152	Bouchard's nodes (with arthropathy)	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M153	Secondary multiple arthritis	Diagnosis	ICD-10-CM
M154	Erosive (osteo)arthritis	Diagnosis	ICD-10-CM
M158	Other polyosteoarthritis	Diagnosis	ICD-10-CM
M159	Polyosteoarthritis, unspecified	Diagnosis	ICD-10-CM
M160	Bilateral primary osteoarthritis of hip	Diagnosis	ICD-10-CM
M1610	Unilateral primary osteoarthritis, unspecified hip	Diagnosis	ICD-10-CM
M1611	Unilateral primary osteoarthritis, right hip	Diagnosis	ICD-10-CM
M1612	Unilateral primary osteoarthritis, left hip	Diagnosis	ICD-10-CM
M162	Bilateral osteoarthritis resulting from hip dysplasia	Diagnosis	ICD-10-CM
M1630	Unilateral osteoarthritis resulting from hip dysplasia, unspecified hip	Diagnosis	ICD-10-CM
M1631	Unilateral osteoarthritis resulting from hip dysplasia, right hip	Diagnosis	ICD-10-CM
M1632	Unilateral osteoarthritis resulting from hip dysplasia, left hip	Diagnosis	ICD-10-CM
M164	Bilateral post-traumatic osteoarthritis of hip	Diagnosis	ICD-10-CM
M1650	Unilateral post-traumatic osteoarthritis, unspecified hip	Diagnosis	ICD-10-CM
M1651	Unilateral post-traumatic osteoarthritis, right hip	Diagnosis	ICD-10-CM
M1652	Unilateral post-traumatic osteoarthritis, left hip	Diagnosis	ICD-10-CM
M166	Other bilateral secondary osteoarthritis of hip	Diagnosis	ICD-10-CM
M167	Other unilateral secondary osteoarthritis of hip	Diagnosis	ICD-10-CM
M169	Osteoarthritis of hip, unspecified	Diagnosis	ICD-10-CM
M170	Bilateral primary osteoarthritis of knee	Diagnosis	ICD-10-CM
M1710	Unilateral primary osteoarthritis, unspecified knee	Diagnosis	ICD-10-CM
M1711	Unilateral primary osteoarthritis, right knee	Diagnosis	ICD-10-CM
M1712	Unilateral primary osteoarthritis, left knee	Diagnosis	ICD-10-CM
M172	Bilateral post-traumatic osteoarthritis of knee	Diagnosis	ICD-10-CM
M1730	Unilateral post-traumatic osteoarthritis, unspecified knee	Diagnosis	ICD-10-CM
M1731	Unilateral post-traumatic osteoarthritis, right knee	Diagnosis	ICD-10-CM
M1732	Unilateral post-traumatic osteoarthritis, left knee	Diagnosis	ICD-10-CM
M174	Other bilateral secondary osteoarthritis of knee	Diagnosis	ICD-10-CM
M175	Other unilateral secondary osteoarthritis of knee	Diagnosis	ICD-10-CM
M179	Osteoarthritis of knee, unspecified	Diagnosis	ICD-10-CM
M180	Bilateral primary osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M1810	Unilateral primary osteoarthritis of first carpometacarpal joint, unspecified hand	Diagnosis	ICD-10-CM
M1811	Unilateral primary osteoarthritis of first carpometacarpal joint, right hand	Diagnosis	ICD-10-CM
M1812	Unilateral primary osteoarthritis of first carpometacarpal joint, left hand	Diagnosis	ICD-10-CM
M182	Bilateral post-traumatic osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M1830	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, unspecified hand	Diagnosis	ICD-10-CM
M1831	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, right hand	Diagnosis	ICD-10-CM
M1832	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, left hand	Diagnosis	ICD-10-CM
M184	Other bilateral secondary osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M1850	Other unilateral secondary osteoarthritis of first carpometacarpal joint, unspecified hand	Diagnosis	ICD-10-CM
M1851	Other unilateral secondary osteoarthritis of first carpometacarpal joint, right hand	Diagnosis	ICD-10-CM
M1852	Other unilateral secondary osteoarthritis of first carpometacarpal joint, left hand	Diagnosis	ICD-10-CM
M189	Osteoarthritis of first carpometacarpal joint, unspecified	Diagnosis	ICD-10-CM
M19011	Primary osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19012	Primary osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19019	Primary osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19021	Primary osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19022	Primary osteoarthritis, left elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M19029	Primary osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19031	Primary osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19032	Primary osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19039	Primary osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19041	Primary osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19042	Primary osteoarthritis, left hand	Diagnosis	ICD-10-CM
M19049	Primary osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19071	Primary osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19072	Primary osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19079	Primary osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M19111	Post-traumatic osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19112	Post-traumatic osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19119	Post-traumatic osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19121	Post-traumatic osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19122	Post-traumatic osteoarthritis, left elbow	Diagnosis	ICD-10-CM
M19129	Post-traumatic osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19131	Post-traumatic osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19132	Post-traumatic osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19139	Post-traumatic osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19141	Post-traumatic osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19142	Post-traumatic osteoarthritis, left hand	Diagnosis	ICD-10-CM
M19149	Post-traumatic osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19171	Post-traumatic osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19172	Post-traumatic osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19179	Post-traumatic osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M19211	Secondary osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19212	Secondary osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19219	Secondary osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19221	Secondary osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19222	Secondary osteoarthritis, left elbow	Diagnosis	ICD-10-CM
M19229	Secondary osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19231	Secondary osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19232	Secondary osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19239	Secondary osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19241	Secondary osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19242	Secondary osteoarthritis, left hand	Diagnosis	ICD-10-CM
M19249	Secondary osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19271	Secondary osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19272	Secondary osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19279	Secondary osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1990	Unspecified osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M1991	Primary osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M1992	Post-traumatic osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M1993	Secondary osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M450	Ankylosing spondylitis of multiple sites in spine	Diagnosis	ICD-10-CM
M451	Ankylosing spondylitis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M452	Ankylosing spondylitis of cervical region	Diagnosis	ICD-10-CM
M453	Ankylosing spondylitis of cervicothoracic region	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M454	Ankylosing spondylitis of thoracic region	Diagnosis	ICD-10-CM
M455	Ankylosing spondylitis of thoracolumbar region	Diagnosis	ICD-10-CM
M456	Ankylosing spondylitis lumbar region	Diagnosis	ICD-10-CM
M457	Ankylosing spondylitis of lumbosacral region	Diagnosis	ICD-10-CM
M458	Ankylosing spondylitis sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M459	Ankylosing spondylitis of unspecified sites in spine	Diagnosis	ICD-10-CM
M488X1	Other specified spondylopathies, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M488X2	Other specified spondylopathies, cervical region	Diagnosis	ICD-10-CM
M488X3	Other specified spondylopathies, cervicothoracic region	Diagnosis	ICD-10-CM
M488X4	Other specified spondylopathies, thoracic region	Diagnosis	ICD-10-CM
M488X5	Other specified spondylopathies, thoracolumbar region	Diagnosis	ICD-10-CM
M488X6	Other specified spondylopathies, lumbar region	Diagnosis	ICD-10-CM
M488X7	Other specified spondylopathies, lumbosacral region	Diagnosis	ICD-10-CM
M488X8	Other specified spondylopathies, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M488X9	Other specified spondylopathies, site unspecified	Diagnosis	ICD-10-CM
Z8739	Personal history of other diseases of the musculoskeletal system and connective tissue	Diagnosis	ICD-10-CM
<b>Chronic skin ulcer</b>			
I70231	Atherosclerosis of native arteries of right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70232	Atherosclerosis of native arteries of right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70233	Atherosclerosis of native arteries of right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg	Diagnosis	ICD-10-CM
I70239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I70241	Atherosclerosis of native arteries of left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70242	Atherosclerosis of native arteries of left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70243	Atherosclerosis of native arteries of left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg	Diagnosis	ICD-10-CM
I70249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7025	Atherosclerosis of native arteries of other extremities with ulceration	Diagnosis	ICD-10-CM
I70331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I70341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70344	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I70345	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70348	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7035	Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration	Diagnosis	ICD-10-CM
I70431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and	Diagnosis	ICD-10-CM
I70435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other	Diagnosis	ICD-10-CM
I70438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of	Diagnosis	ICD-10-CM
I70441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70442	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and	Diagnosis	ICD-10-CM
I70445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other	Diagnosis	ICD-10-CM
I70448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7045	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration	Diagnosis	ICD-10-CM
I70531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I70541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I70545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7055	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration	Diagnosis	ICD-10-CM
I70631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I70641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7065	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration	Diagnosis	ICD-10-CM
I70731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf	Diagnosis	ICD-10-CM
I70733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM
I70735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I70741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh	Diagnosis	ICD-10-CM
I70742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf	Diagnosis	ICD-10-CM
I70743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle	Diagnosis	ICD-10-CM
I70744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I70745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot	Diagnosis	ICD-10-CM
I70748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg	Diagnosis	ICD-10-CM
I70749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site	Diagnosis	ICD-10-CM
I7075	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration	Diagnosis	ICD-10-CM
L89000	Pressure ulcer of unspecified elbow, unstageable	Diagnosis	ICD-10-CM
L89001	Pressure ulcer of unspecified elbow, stage 1	Diagnosis	ICD-10-CM
L89002	Pressure ulcer of unspecified elbow, stage 2	Diagnosis	ICD-10-CM
L89003	Pressure ulcer of unspecified elbow, stage 3	Diagnosis	ICD-10-CM
L89004	Pressure ulcer of unspecified elbow, stage 4	Diagnosis	ICD-10-CM
L89009	Pressure ulcer of unspecified elbow, unspecified stage	Diagnosis	ICD-10-CM
L89010	Pressure ulcer of right elbow, unstageable	Diagnosis	ICD-10-CM
L89011	Pressure ulcer of right elbow, stage 1	Diagnosis	ICD-10-CM
L89012	Pressure ulcer of right elbow, stage 2	Diagnosis	ICD-10-CM
L89013	Pressure ulcer of right elbow, stage 3	Diagnosis	ICD-10-CM
L89014	Pressure ulcer of right elbow, stage 4	Diagnosis	ICD-10-CM
L89019	Pressure ulcer of right elbow, unspecified stage	Diagnosis	ICD-10-CM
L89020	Pressure ulcer of left elbow, unstageable	Diagnosis	ICD-10-CM
L89021	Pressure ulcer of left elbow, stage 1	Diagnosis	ICD-10-CM
L89022	Pressure ulcer of left elbow, stage 2	Diagnosis	ICD-10-CM
L89023	Pressure ulcer of left elbow, stage 3	Diagnosis	ICD-10-CM
L89024	Pressure ulcer of left elbow, stage 4	Diagnosis	ICD-10-CM
L89029	Pressure ulcer of left elbow, unspecified stage	Diagnosis	ICD-10-CM
L89100	Pressure ulcer of unspecified part of back, unstageable	Diagnosis	ICD-10-CM
L89101	Pressure ulcer of unspecified part of back, stage 1	Diagnosis	ICD-10-CM
L89102	Pressure ulcer of unspecified part of back, stage 2	Diagnosis	ICD-10-CM
L89103	Pressure ulcer of unspecified part of back, stage 3	Diagnosis	ICD-10-CM
L89104	Pressure ulcer of unspecified part of back, stage 4	Diagnosis	ICD-10-CM
L89109	Pressure ulcer of unspecified part of back, unspecified stage	Diagnosis	ICD-10-CM
L89110	Pressure ulcer of right upper back, unstageable	Diagnosis	ICD-10-CM
L89111	Pressure ulcer of right upper back, stage 1	Diagnosis	ICD-10-CM
L89112	Pressure ulcer of right upper back, stage 2	Diagnosis	ICD-10-CM
L89113	Pressure ulcer of right upper back, stage 3	Diagnosis	ICD-10-CM
L89114	Pressure ulcer of right upper back, stage 4	Diagnosis	ICD-10-CM
L89119	Pressure ulcer of right upper back, unspecified stage	Diagnosis	ICD-10-CM
L89120	Pressure ulcer of left upper back, unstageable	Diagnosis	ICD-10-CM
L89121	Pressure ulcer of left upper back, stage 1	Diagnosis	ICD-10-CM
L89122	Pressure ulcer of left upper back, stage 2	Diagnosis	ICD-10-CM
L89123	Pressure ulcer of left upper back, stage 3	Diagnosis	ICD-10-CM
L89124	Pressure ulcer of left upper back, stage 4	Diagnosis	ICD-10-CM
L89129	Pressure ulcer of left upper back, unspecified stage	Diagnosis	ICD-10-CM
L89130	Pressure ulcer of right lower back, unstageable	Diagnosis	ICD-10-CM
L89131	Pressure ulcer of right lower back, stage 1	Diagnosis	ICD-10-CM
L89132	Pressure ulcer of right lower back, stage 2	Diagnosis	ICD-10-CM
L89133	Pressure ulcer of right lower back, stage 3	Diagnosis	ICD-10-CM
L89134	Pressure ulcer of right lower back, stage 4	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L89139	Pressure ulcer of right lower back, unspecified stage	Diagnosis	ICD-10-CM
L89140	Pressure ulcer of left lower back, unstageable	Diagnosis	ICD-10-CM
L89141	Pressure ulcer of left lower back, stage 1	Diagnosis	ICD-10-CM
L89142	Pressure ulcer of left lower back, stage 2	Diagnosis	ICD-10-CM
L89143	Pressure ulcer of left lower back, stage 3	Diagnosis	ICD-10-CM
L89144	Pressure ulcer of left lower back, stage 4	Diagnosis	ICD-10-CM
L89149	Pressure ulcer of left lower back, unspecified stage	Diagnosis	ICD-10-CM
L89150	Pressure ulcer of sacral region, unstageable	Diagnosis	ICD-10-CM
L89151	Pressure ulcer of sacral region, stage 1	Diagnosis	ICD-10-CM
L89152	Pressure ulcer of sacral region, stage 2	Diagnosis	ICD-10-CM
L89153	Pressure ulcer of sacral region, stage 3	Diagnosis	ICD-10-CM
L89154	Pressure ulcer of sacral region, stage 4	Diagnosis	ICD-10-CM
L89159	Pressure ulcer of sacral region, unspecified stage	Diagnosis	ICD-10-CM
L89200	Pressure ulcer of unspecified hip, unstageable	Diagnosis	ICD-10-CM
L89201	Pressure ulcer of unspecified hip, stage 1	Diagnosis	ICD-10-CM
L89202	Pressure ulcer of unspecified hip, stage 2	Diagnosis	ICD-10-CM
L89203	Pressure ulcer of unspecified hip, stage 3	Diagnosis	ICD-10-CM
L89204	Pressure ulcer of unspecified hip, stage 4	Diagnosis	ICD-10-CM
L89209	Pressure ulcer of unspecified hip, unspecified stage	Diagnosis	ICD-10-CM
L89210	Pressure ulcer of right hip, unstageable	Diagnosis	ICD-10-CM
L89211	Pressure ulcer of right hip, stage 1	Diagnosis	ICD-10-CM
L89212	Pressure ulcer of right hip, stage 2	Diagnosis	ICD-10-CM
L89213	Pressure ulcer of right hip, stage 3	Diagnosis	ICD-10-CM
L89214	Pressure ulcer of right hip, stage 4	Diagnosis	ICD-10-CM
L89219	Pressure ulcer of right hip, unspecified stage	Diagnosis	ICD-10-CM
L89220	Pressure ulcer of left hip, unstageable	Diagnosis	ICD-10-CM
L89221	Pressure ulcer of left hip, stage 1	Diagnosis	ICD-10-CM
L89222	Pressure ulcer of left hip, stage 2	Diagnosis	ICD-10-CM
L89223	Pressure ulcer of left hip, stage 3	Diagnosis	ICD-10-CM
L89224	Pressure ulcer of left hip, stage 4	Diagnosis	ICD-10-CM
L89229	Pressure ulcer of left hip, unspecified stage	Diagnosis	ICD-10-CM
L89300	Pressure ulcer of unspecified buttock, unstageable	Diagnosis	ICD-10-CM
L89301	Pressure ulcer of unspecified buttock, stage 1	Diagnosis	ICD-10-CM
L89302	Pressure ulcer of unspecified buttock, stage 2	Diagnosis	ICD-10-CM
L89303	Pressure ulcer of unspecified buttock, stage 3	Diagnosis	ICD-10-CM
L89304	Pressure ulcer of unspecified buttock, stage 4	Diagnosis	ICD-10-CM
L89309	Pressure ulcer of unspecified buttock, unspecified stage	Diagnosis	ICD-10-CM
L89310	Pressure ulcer of right buttock, unstageable	Diagnosis	ICD-10-CM
L89311	Pressure ulcer of right buttock, stage 1	Diagnosis	ICD-10-CM
L89312	Pressure ulcer of right buttock, stage 2	Diagnosis	ICD-10-CM
L89313	Pressure ulcer of right buttock, stage 3	Diagnosis	ICD-10-CM
L89314	Pressure ulcer of right buttock, stage 4	Diagnosis	ICD-10-CM
L89319	Pressure ulcer of right buttock, unspecified stage	Diagnosis	ICD-10-CM
L89320	Pressure ulcer of left buttock, unstageable	Diagnosis	ICD-10-CM
L89321	Pressure ulcer of left buttock, stage 1	Diagnosis	ICD-10-CM
L89322	Pressure ulcer of left buttock, stage 2	Diagnosis	ICD-10-CM
L89323	Pressure ulcer of left buttock, stage 3	Diagnosis	ICD-10-CM
L89324	Pressure ulcer of left buttock, stage 4	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L89329	Pressure ulcer of left buttock, unspecified stage	Diagnosis	ICD-10-CM
L8940	Pressure ulcer of contiguous site of back, buttock and hip, unspecified stage	Diagnosis	ICD-10-CM
L8941	Pressure ulcer of contiguous site of back, buttock and hip, stage 1	Diagnosis	ICD-10-CM
L8942	Pressure ulcer of contiguous site of back, buttock and hip, stage 2	Diagnosis	ICD-10-CM
L8943	Pressure ulcer of contiguous site of back, buttock and hip, stage 3	Diagnosis	ICD-10-CM
L8944	Pressure ulcer of contiguous site of back, buttock and hip, stage 4	Diagnosis	ICD-10-CM
L8945	Pressure ulcer of contiguous site of back, buttock and hip, unstageable	Diagnosis	ICD-10-CM
L89500	Pressure ulcer of unspecified ankle, unstageable	Diagnosis	ICD-10-CM
L89501	Pressure ulcer of unspecified ankle, stage 1	Diagnosis	ICD-10-CM
L89502	Pressure ulcer of unspecified ankle, stage 2	Diagnosis	ICD-10-CM
L89503	Pressure ulcer of unspecified ankle, stage 3	Diagnosis	ICD-10-CM
L89504	Pressure ulcer of unspecified ankle, stage 4	Diagnosis	ICD-10-CM
L89509	Pressure ulcer of unspecified ankle, unspecified stage	Diagnosis	ICD-10-CM
L89510	Pressure ulcer of right ankle, unstageable	Diagnosis	ICD-10-CM
L89511	Pressure ulcer of right ankle, stage 1	Diagnosis	ICD-10-CM
L89512	Pressure ulcer of right ankle, stage 2	Diagnosis	ICD-10-CM
L89513	Pressure ulcer of right ankle, stage 3	Diagnosis	ICD-10-CM
L89514	Pressure ulcer of right ankle, stage 4	Diagnosis	ICD-10-CM
L89519	Pressure ulcer of right ankle, unspecified stage	Diagnosis	ICD-10-CM
L89520	Pressure ulcer of left ankle, unstageable	Diagnosis	ICD-10-CM
L89521	Pressure ulcer of left ankle, stage 1	Diagnosis	ICD-10-CM
L89522	Pressure ulcer of left ankle, stage 2	Diagnosis	ICD-10-CM
L89523	Pressure ulcer of left ankle, stage 3	Diagnosis	ICD-10-CM
L89524	Pressure ulcer of left ankle, stage 4	Diagnosis	ICD-10-CM
L89529	Pressure ulcer of left ankle, unspecified stage	Diagnosis	ICD-10-CM
L89600	Pressure ulcer of unspecified heel, unstageable	Diagnosis	ICD-10-CM
L89601	Pressure ulcer of unspecified heel, stage 1	Diagnosis	ICD-10-CM
L89602	Pressure ulcer of unspecified heel, stage 2	Diagnosis	ICD-10-CM
L89603	Pressure ulcer of unspecified heel, stage 3	Diagnosis	ICD-10-CM
L89604	Pressure ulcer of unspecified heel, stage 4	Diagnosis	ICD-10-CM
L89609	Pressure ulcer of unspecified heel, unspecified stage	Diagnosis	ICD-10-CM
L89610	Pressure ulcer of right heel, unstageable	Diagnosis	ICD-10-CM
L89611	Pressure ulcer of right heel, stage 1	Diagnosis	ICD-10-CM
L89612	Pressure ulcer of right heel, stage 2	Diagnosis	ICD-10-CM
L89613	Pressure ulcer of right heel, stage 3	Diagnosis	ICD-10-CM
L89614	Pressure ulcer of right heel, stage 4	Diagnosis	ICD-10-CM
L89619	Pressure ulcer of right heel, unspecified stage	Diagnosis	ICD-10-CM
L89620	Pressure ulcer of left heel, unstageable	Diagnosis	ICD-10-CM
L89621	Pressure ulcer of left heel, stage 1	Diagnosis	ICD-10-CM
L89622	Pressure ulcer of left heel, stage 2	Diagnosis	ICD-10-CM
L89623	Pressure ulcer of left heel, stage 3	Diagnosis	ICD-10-CM
L89624	Pressure ulcer of left heel, stage 4	Diagnosis	ICD-10-CM
L89629	Pressure ulcer of left heel, unspecified stage	Diagnosis	ICD-10-CM
L89810	Pressure ulcer of head, unstageable	Diagnosis	ICD-10-CM
L89811	Pressure ulcer of head, stage 1	Diagnosis	ICD-10-CM
L89812	Pressure ulcer of head, stage 2	Diagnosis	ICD-10-CM
L89813	Pressure ulcer of head, stage 3	Diagnosis	ICD-10-CM
L89814	Pressure ulcer of head, stage 4	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L89819	Pressure ulcer of head, unspecified stage	Diagnosis	ICD-10-CM
L89890	Pressure ulcer of other site, unstageable	Diagnosis	ICD-10-CM
L89891	Pressure ulcer of other site, stage 1	Diagnosis	ICD-10-CM
L89892	Pressure ulcer of other site, stage 2	Diagnosis	ICD-10-CM
L89893	Pressure ulcer of other site, stage 3	Diagnosis	ICD-10-CM
L89894	Pressure ulcer of other site, stage 4	Diagnosis	ICD-10-CM
L89899	Pressure ulcer of other site, unspecified stage	Diagnosis	ICD-10-CM
L8990	Pressure ulcer of unspecified site, unspecified stage	Diagnosis	ICD-10-CM
L8991	Pressure ulcer of unspecified site, stage 1	Diagnosis	ICD-10-CM
L8992	Pressure ulcer of unspecified site, stage 2	Diagnosis	ICD-10-CM
L8993	Pressure ulcer of unspecified site, stage 3	Diagnosis	ICD-10-CM
L8994	Pressure ulcer of unspecified site, stage 4	Diagnosis	ICD-10-CM
L8995	Pressure ulcer of unspecified site, unstageable	Diagnosis	ICD-10-CM
L97101	Non-pressure chronic ulcer of unspecified thigh limited to breakdown of skin	Diagnosis	ICD-10-CM
L97102	Non-pressure chronic ulcer of unspecified thigh with fat layer exposed	Diagnosis	ICD-10-CM
L97103	Non-pressure chronic ulcer of unspecified thigh with necrosis of muscle	Diagnosis	ICD-10-CM
L97104	Non-pressure chronic ulcer of unspecified thigh with necrosis of bone	Diagnosis	ICD-10-CM
L97105	Non-pressure chronic ulcer of unspecified thigh with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97106	Non-pressure chronic ulcer of unspecified thigh with bone involvement without evidence of	Diagnosis	ICD-10-CM
L97108	Non-pressure chronic ulcer of unspecified thigh with other specified severity	Diagnosis	ICD-10-CM
L97109	Non-pressure chronic ulcer of unspecified thigh with unspecified severity	Diagnosis	ICD-10-CM
L97111	Non-pressure chronic ulcer of right thigh limited to breakdown of skin	Diagnosis	ICD-10-CM
L97112	Non-pressure chronic ulcer of right thigh with fat layer exposed	Diagnosis	ICD-10-CM
L97113	Non-pressure chronic ulcer of right thigh with necrosis of muscle	Diagnosis	ICD-10-CM
L97114	Non-pressure chronic ulcer of right thigh with necrosis of bone	Diagnosis	ICD-10-CM
L97115	Non-pressure chronic ulcer of right thigh with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97116	Non-pressure chronic ulcer of right thigh with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97118	Non-pressure chronic ulcer of right thigh with other specified severity	Diagnosis	ICD-10-CM
L97119	Non-pressure chronic ulcer of right thigh with unspecified severity	Diagnosis	ICD-10-CM
L97121	Non-pressure chronic ulcer of left thigh limited to breakdown of skin	Diagnosis	ICD-10-CM
L97122	Non-pressure chronic ulcer of left thigh with fat layer exposed	Diagnosis	ICD-10-CM
L97123	Non-pressure chronic ulcer of left thigh with necrosis of muscle	Diagnosis	ICD-10-CM
L97124	Non-pressure chronic ulcer of left thigh with necrosis of bone	Diagnosis	ICD-10-CM
L97125	Non-pressure chronic ulcer of left thigh with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97126	Non-pressure chronic ulcer of left thigh with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97128	Non-pressure chronic ulcer of left thigh with other specified severity	Diagnosis	ICD-10-CM
L97129	Non-pressure chronic ulcer of left thigh with unspecified severity	Diagnosis	ICD-10-CM
L97201	Non-pressure chronic ulcer of unspecified calf limited to breakdown of skin	Diagnosis	ICD-10-CM
L97202	Non-pressure chronic ulcer of unspecified calf with fat layer exposed	Diagnosis	ICD-10-CM
L97203	Non-pressure chronic ulcer of unspecified calf with necrosis of muscle	Diagnosis	ICD-10-CM
L97204	Non-pressure chronic ulcer of unspecified calf with necrosis of bone	Diagnosis	ICD-10-CM
L97205	Non-pressure chronic ulcer of unspecified calf with muscle involvement without evidence of	Diagnosis	ICD-10-CM
L97206	Non-pressure chronic ulcer of unspecified calf with bone involvement without evidence of	Diagnosis	ICD-10-CM
L97208	Non-pressure chronic ulcer of unspecified calf with other specified severity	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L97209	Non-pressure chronic ulcer of unspecified calf with unspecified severity	Diagnosis	ICD-10-CM
L97211	Non-pressure chronic ulcer of right calf limited to breakdown of skin	Diagnosis	ICD-10-CM
L97212	Non-pressure chronic ulcer of right calf with fat layer exposed	Diagnosis	ICD-10-CM
L97213	Non-pressure chronic ulcer of right calf with necrosis of muscle	Diagnosis	ICD-10-CM
L97214	Non-pressure chronic ulcer of right calf with necrosis of bone	Diagnosis	ICD-10-CM
L97215	Non-pressure chronic ulcer of right calf with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97216	Non-pressure chronic ulcer of right calf with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97218	Non-pressure chronic ulcer of right calf with other specified severity	Diagnosis	ICD-10-CM
L97219	Non-pressure chronic ulcer of right calf with unspecified severity	Diagnosis	ICD-10-CM
L97221	Non-pressure chronic ulcer of left calf limited to breakdown of skin	Diagnosis	ICD-10-CM
L97222	Non-pressure chronic ulcer of left calf with fat layer exposed	Diagnosis	ICD-10-CM
L97223	Non-pressure chronic ulcer of left calf with necrosis of muscle	Diagnosis	ICD-10-CM
L97224	Non-pressure chronic ulcer of left calf with necrosis of bone	Diagnosis	ICD-10-CM
L97225	Non-pressure chronic ulcer of left calf with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97226	Non-pressure chronic ulcer of left calf with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97228	Non-pressure chronic ulcer of left calf with other specified severity	Diagnosis	ICD-10-CM
L97229	Non-pressure chronic ulcer of left calf with unspecified severity	Diagnosis	ICD-10-CM
L97301	Non-pressure chronic ulcer of unspecified ankle limited to breakdown of skin	Diagnosis	ICD-10-CM
L97302	Non-pressure chronic ulcer of unspecified ankle with fat layer exposed	Diagnosis	ICD-10-CM
L97303	Non-pressure chronic ulcer of unspecified ankle with necrosis of muscle	Diagnosis	ICD-10-CM
L97304	Non-pressure chronic ulcer of unspecified ankle with necrosis of bone	Diagnosis	ICD-10-CM
L97305	Non-pressure chronic ulcer of unspecified ankle with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97306	Non-pressure chronic ulcer of unspecified ankle with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97308	Non-pressure chronic ulcer of unspecified ankle with other specified severity	Diagnosis	ICD-10-CM
L97309	Non-pressure chronic ulcer of unspecified ankle with unspecified severity	Diagnosis	ICD-10-CM
L97311	Non-pressure chronic ulcer of right ankle limited to breakdown of skin	Diagnosis	ICD-10-CM
L97312	Non-pressure chronic ulcer of right ankle with fat layer exposed	Diagnosis	ICD-10-CM
L97313	Non-pressure chronic ulcer of right ankle with necrosis of muscle	Diagnosis	ICD-10-CM
L97314	Non-pressure chronic ulcer of right ankle with necrosis of bone	Diagnosis	ICD-10-CM
L97315	Non-pressure chronic ulcer of right ankle with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97316	Non-pressure chronic ulcer of right ankle with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97318	Non-pressure chronic ulcer of right ankle with other specified severity	Diagnosis	ICD-10-CM
L97319	Non-pressure chronic ulcer of right ankle with unspecified severity	Diagnosis	ICD-10-CM
L97321	Non-pressure chronic ulcer of left ankle limited to breakdown of skin	Diagnosis	ICD-10-CM
L97322	Non-pressure chronic ulcer of left ankle with fat layer exposed	Diagnosis	ICD-10-CM
L97323	Non-pressure chronic ulcer of left ankle with necrosis of muscle	Diagnosis	ICD-10-CM
L97324	Non-pressure chronic ulcer of left ankle with necrosis of bone	Diagnosis	ICD-10-CM
L97325	Non-pressure chronic ulcer of left ankle with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97326	Non-pressure chronic ulcer of left ankle with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97328	Non-pressure chronic ulcer of left ankle with other specified severity	Diagnosis	ICD-10-CM
L97329	Non-pressure chronic ulcer of left ankle with unspecified severity	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L97401	Non-pressure chronic ulcer of unspecified heel and midfoot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97402	Non-pressure chronic ulcer of unspecified heel and midfoot with fat layer exposed	Diagnosis	ICD-10-CM
L97403	Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of muscle	Diagnosis	ICD-10-CM
L97404	Non-pressure chronic ulcer of unspecified heel and midfoot with necrosis of bone	Diagnosis	ICD-10-CM
L97405	Non-pressure chronic ulcer of unspecified heel and midfoot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97406	Non-pressure chronic ulcer of unspecified heel and midfoot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97408	Non-pressure chronic ulcer of unspecified heel and midfoot with other specified severity	Diagnosis	ICD-10-CM
L97409	Non-pressure chronic ulcer of unspecified heel and midfoot with unspecified severity	Diagnosis	ICD-10-CM
L97411	Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97412	Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed	Diagnosis	ICD-10-CM
L97413	Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle	Diagnosis	ICD-10-CM
L97414	Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone	Diagnosis	ICD-10-CM
L97415	Non-pressure chronic ulcer of right heel and midfoot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97416	Non-pressure chronic ulcer of right heel and midfoot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97418	Non-pressure chronic ulcer of right heel and midfoot with other specified severity	Diagnosis	ICD-10-CM
L97419	Non-pressure chronic ulcer of right heel and midfoot with unspecified severity	Diagnosis	ICD-10-CM
L97421	Non-pressure chronic ulcer of left heel and midfoot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97422	Non-pressure chronic ulcer of left heel and midfoot with fat layer exposed	Diagnosis	ICD-10-CM
L97423	Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle	Diagnosis	ICD-10-CM
L97424	Non-pressure chronic ulcer of left heel and midfoot with necrosis of bone	Diagnosis	ICD-10-CM
L97425	Non-pressure chronic ulcer of left heel and midfoot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97426	Non-pressure chronic ulcer of left heel and midfoot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97428	Non-pressure chronic ulcer of left heel and midfoot with other specified severity	Diagnosis	ICD-10-CM
L97429	Non-pressure chronic ulcer of left heel and midfoot with unspecified severity	Diagnosis	ICD-10-CM
L97501	Non-pressure chronic ulcer of other part of unspecified foot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97502	Non-pressure chronic ulcer of other part of unspecified foot with fat layer exposed	Diagnosis	ICD-10-CM
L97503	Non-pressure chronic ulcer of other part of unspecified foot with necrosis of muscle	Diagnosis	ICD-10-CM
L97504	Non-pressure chronic ulcer of other part of unspecified foot with necrosis of bone	Diagnosis	ICD-10-CM
L97505	Non-pressure chronic ulcer of other part of unspecified foot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97506	Non-pressure chronic ulcer of other part of unspecified foot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97508	Non-pressure chronic ulcer of other part of unspecified foot with other specified severity	Diagnosis	ICD-10-CM
L97509	Non-pressure chronic ulcer of other part of unspecified foot with unspecified severity	Diagnosis	ICD-10-CM
L97511	Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97512	Non-pressure chronic ulcer of other part of right foot with fat layer exposed	Diagnosis	ICD-10-CM
L97513	Non-pressure chronic ulcer of other part of right foot with necrosis of muscle	Diagnosis	ICD-10-CM
L97514	Non-pressure chronic ulcer of other part of right foot with necrosis of bone	Diagnosis	ICD-10-CM
L97515	Non-pressure chronic ulcer of other part of right foot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97516	Non-pressure chronic ulcer of other part of right foot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L97518	Non-pressure chronic ulcer of other part of right foot with other specified severity	Diagnosis	ICD-10-CM
L97519	Non-pressure chronic ulcer of other part of right foot with unspecified severity	Diagnosis	ICD-10-CM
L97521	Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin	Diagnosis	ICD-10-CM
L97522	Non-pressure chronic ulcer of other part of left foot with fat layer exposed	Diagnosis	ICD-10-CM
L97523	Non-pressure chronic ulcer of other part of left foot with necrosis of muscle	Diagnosis	ICD-10-CM
L97524	Non-pressure chronic ulcer of other part of left foot with necrosis of bone	Diagnosis	ICD-10-CM
L97525	Non-pressure chronic ulcer of other part of left foot with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97526	Non-pressure chronic ulcer of other part of left foot with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97528	Non-pressure chronic ulcer of other part of left foot with other specified severity	Diagnosis	ICD-10-CM
L97529	Non-pressure chronic ulcer of other part of left foot with unspecified severity	Diagnosis	ICD-10-CM
L97801	Non-pressure chronic ulcer of other part of unspecified lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97802	Non-pressure chronic ulcer of other part of unspecified lower leg with fat layer exposed	Diagnosis	ICD-10-CM
L97803	Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97804	Non-pressure chronic ulcer of other part of unspecified lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97805	Non-pressure chronic ulcer of other part of unspecified lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97806	Non-pressure chronic ulcer of other part of unspecified lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97808	Non-pressure chronic ulcer of other part of unspecified lower leg with other specified severity	Diagnosis	ICD-10-CM
L97809	Non-pressure chronic ulcer of other part of unspecified lower leg with unspecified severity	Diagnosis	ICD-10-CM
L97811	Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97812	Non-pressure chronic ulcer of other part of right lower leg with fat layer exposed	Diagnosis	ICD-10-CM
L97813	Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97814	Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97815	Non-pressure chronic ulcer of other part of right lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97816	Non-pressure chronic ulcer of other part of right lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97818	Non-pressure chronic ulcer of other part of right lower leg with other specified severity	Diagnosis	ICD-10-CM
L97819	Non-pressure chronic ulcer of other part of right lower leg with unspecified severity	Diagnosis	ICD-10-CM
L97821	Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97822	Non-pressure chronic ulcer of other part of left lower leg with fat layer exposed	Diagnosis	ICD-10-CM
L97823	Non-pressure chronic ulcer of other part of left lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97824	Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97825	Non-pressure chronic ulcer of other part of left lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97826	Non-pressure chronic ulcer of other part of left lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97828	Non-pressure chronic ulcer of other part of left lower leg with other specified severity	Diagnosis	ICD-10-CM
L97829	Non-pressure chronic ulcer of other part of left lower leg with unspecified severity	Diagnosis	ICD-10-CM
L97901	Non-pressure chronic ulcer of unspecified part of unspecified lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97902	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with fat layer exposed	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L97903	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97904	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97905	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97906	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97908	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with other specified severity	Diagnosis	ICD-10-CM
L97909	Non-pressure chronic ulcer of unspecified part of unspecified lower leg with unspecified severity	Diagnosis	ICD-10-CM
L97911	Non-pressure chronic ulcer of unspecified part of right lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97912	Non-pressure chronic ulcer of unspecified part of right lower leg with fat layer exposed	Diagnosis	ICD-10-CM
L97913	Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97914	Non-pressure chronic ulcer of unspecified part of right lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97915	Non-pressure chronic ulcer of unspecified part of right lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97916	Non-pressure chronic ulcer of unspecified part of right lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97918	Non-pressure chronic ulcer of unspecified part of right lower leg with other specified severity	Diagnosis	ICD-10-CM
L97919	Non-pressure chronic ulcer of unspecified part of right lower leg with unspecified severity	Diagnosis	ICD-10-CM
L97921	Non-pressure chronic ulcer of unspecified part of left lower leg limited to breakdown of skin	Diagnosis	ICD-10-CM
L97922	Non-pressure chronic ulcer of unspecified part of left lower leg with fat layer exposed	Diagnosis	ICD-10-CM
L97923	Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of muscle	Diagnosis	ICD-10-CM
L97924	Non-pressure chronic ulcer of unspecified part of left lower leg with necrosis of bone	Diagnosis	ICD-10-CM
L97925	Non-pressure chronic ulcer of unspecified part of left lower leg with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97926	Non-pressure chronic ulcer of unspecified part of left lower leg with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L97928	Non-pressure chronic ulcer of unspecified part of left lower leg with other specified severity	Diagnosis	ICD-10-CM
L97929	Non-pressure chronic ulcer of unspecified part of left lower leg with unspecified severity	Diagnosis	ICD-10-CM
L98411	Non-pressure chronic ulcer of buttock limited to breakdown of skin	Diagnosis	ICD-10-CM
L98412	Non-pressure chronic ulcer of buttock with fat layer exposed	Diagnosis	ICD-10-CM
L98413	Non-pressure chronic ulcer of buttock with necrosis of muscle	Diagnosis	ICD-10-CM
L98414	Non-pressure chronic ulcer of buttock with necrosis of bone	Diagnosis	ICD-10-CM
L98415	Non-pressure chronic ulcer of buttock with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L98416	Non-pressure chronic ulcer of buttock with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L98418	Non-pressure chronic ulcer of buttock with other specified severity	Diagnosis	ICD-10-CM
L98419	Non-pressure chronic ulcer of buttock with unspecified severity	Diagnosis	ICD-10-CM
L98421	Non-pressure chronic ulcer of back limited to breakdown of skin	Diagnosis	ICD-10-CM
L98422	Non-pressure chronic ulcer of back with fat layer exposed	Diagnosis	ICD-10-CM
L98423	Non-pressure chronic ulcer of back with necrosis of muscle	Diagnosis	ICD-10-CM
L98424	Non-pressure chronic ulcer of back with necrosis of bone	Diagnosis	ICD-10-CM
L98425	Non-pressure chronic ulcer of back with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L98426	Non-pressure chronic ulcer of back with bone involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L98428	Non-pressure chronic ulcer of back with other specified severity	Diagnosis	ICD-10-CM
L98429	Non-pressure chronic ulcer of back with unspecified severity	Diagnosis	ICD-10-CM
L98491	Non-pressure chronic ulcer of skin of other sites limited to breakdown of skin	Diagnosis	ICD-10-CM
L98492	Non-pressure chronic ulcer of skin of other sites with fat layer exposed	Diagnosis	ICD-10-CM
L98493	Non-pressure chronic ulcer of skin of other sites with necrosis of muscle	Diagnosis	ICD-10-CM
L98494	Non-pressure chronic ulcer of skin of other sites with necrosis of bone	Diagnosis	ICD-10-CM
L98495	Non-pressure chronic ulcer of skin of other sites with muscle involvement without evidence of necrosis	Diagnosis	ICD-10-CM
L98496	Non-pressure chronic ulcer of skin of other sites with bone involvement without evidence of	Diagnosis	ICD-10-CM
L98498	Non-pressure chronic ulcer of skin of other sites with other specified severity	Diagnosis	ICD-10-CM
L98499	Non-pressure chronic ulcer of skin of other sites with unspecified severity	Diagnosis	ICD-10-CM
<b>Cognitive impairment</b>			
F0150	Vascular dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F0151	Vascular dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F0280	Dementia in other diseases classified elsewhere without behavioral disturbance	Diagnosis	ICD-10-CM
F0281	Dementia in other diseases classified elsewhere with behavioral disturbance	Diagnosis	ICD-10-CM
F0390	Unspecified dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F0391	Unspecified dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F04	Amnesic disorder due to known physiological condition	Diagnosis	ICD-10-CM
F05	Delirium due to known physiological condition	Diagnosis	ICD-10-CM
F060	Psychotic disorder with hallucinations due to known physiological condition	Diagnosis	ICD-10-CM
F061	Catatonic disorder due to known physiological condition	Diagnosis	ICD-10-CM
F068	Other specified mental disorders due to known physiological condition	Diagnosis	ICD-10-CM
F070	Personality change due to known physiological condition	Diagnosis	ICD-10-CM
F0781	Postconcussional syndrome	Diagnosis	ICD-10-CM
F0789	Other personality and behavioral disorders due to known physiological condition	Diagnosis	ICD-10-CM
F079	Unspecified personality and behavioral disorder due to known physiological condition	Diagnosis	ICD-10-CM
F09	Unspecified mental disorder due to known physiological condition	Diagnosis	ICD-10-CM
F482	Pseudobulbar affect	Diagnosis	ICD-10-CM
G300	Alzheimer's disease with early onset	Diagnosis	ICD-10-CM
G301	Alzheimer's disease with late onset	Diagnosis	ICD-10-CM
G308	Other Alzheimer's disease	Diagnosis	ICD-10-CM
G309	Alzheimer's disease, unspecified	Diagnosis	ICD-10-CM
G3101	Pick's disease	Diagnosis	ICD-10-CM
G3109	Other frontotemporal dementia	Diagnosis	ICD-10-CM
G311	Senile degeneration of brain, not elsewhere classified	Diagnosis	ICD-10-CM
G3183	Dementia with Lewy bodies	Diagnosis	ICD-10-CM
R4181	Age-related cognitive decline	Diagnosis	ICD-10-CM
R54	Age-related physical debility	Diagnosis	ICD-10-CM
<b>Congestive heart failure</b>			
I0981	Rheumatic heart failure	Diagnosis	ICD-10-CM
I501	Left ventricular failure, unspecified	Diagnosis	ICD-10-CM
I5020	Unspecified systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5021	Acute systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5022	Chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5023	Acute on chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5030	Unspecified diastolic (congestive) heart failure	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I5031	Acute diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5032	Chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5033	Acute on chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5040	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5041	Acute combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5042	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I5043	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50810	Right heart failure, unspecified	Diagnosis	ICD-10-CM
I50811	Acute right heart failure	Diagnosis	ICD-10-CM
I50812	Chronic right heart failure	Diagnosis	ICD-10-CM
I50813	Acute on chronic right heart failure	Diagnosis	ICD-10-CM
I50814	Right heart failure due to left heart failure	Diagnosis	ICD-10-CM
I5082	Biventricular heart failure	Diagnosis	ICD-10-CM
I5083	High output heart failure	Diagnosis	ICD-10-CM
I5084	End stage heart failure	Diagnosis	ICD-10-CM
I5089	Other heart failure	Diagnosis	ICD-10-CM
I509	Heart failure, unspecified	Diagnosis	ICD-10-CM
<b>Depression</b>			
F0630	Mood disorder due to known physiological condition, unspecified	Diagnosis	ICD-10-CM
F0631	Mood disorder due to known physiological condition with depressive features	Diagnosis	ICD-10-CM
F0632	Mood disorder due to known physiological condition with major depressive-like episode	Diagnosis	ICD-10-CM
F0633	Mood disorder due to known physiological condition with manic features	Diagnosis	ICD-10-CM
F0634	Mood disorder due to known physiological condition with mixed features	Diagnosis	ICD-10-CM
F3010	Manic episode without psychotic symptoms, unspecified	Diagnosis	ICD-10-CM
F3011	Manic episode without psychotic symptoms, mild	Diagnosis	ICD-10-CM
F3012	Manic episode without psychotic symptoms, moderate	Diagnosis	ICD-10-CM
F3013	Manic episode, severe, without psychotic symptoms	Diagnosis	ICD-10-CM
F302	Manic episode, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F303	Manic episode in partial remission	Diagnosis	ICD-10-CM
F304	Manic episode in full remission	Diagnosis	ICD-10-CM
F308	Other manic episodes	Diagnosis	ICD-10-CM
F309	Manic episode, unspecified	Diagnosis	ICD-10-CM
F310	Bipolar disorder, current episode hypomanic	Diagnosis	ICD-10-CM
F3110	Bipolar disorder, current episode manic without psychotic features, unspecified	Diagnosis	ICD-10-CM
F3111	Bipolar disorder, current episode manic without psychotic features, mild	Diagnosis	ICD-10-CM
F3112	Bipolar disorder, current episode manic without psychotic features, moderate	Diagnosis	ICD-10-CM
F3113	Bipolar disorder, current episode manic without psychotic features, severe	Diagnosis	ICD-10-CM
F312	Bipolar disorder, current episode manic severe with psychotic features	Diagnosis	ICD-10-CM
F3130	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified	Diagnosis	ICD-10-CM
F3131	Bipolar disorder, current episode depressed, mild	Diagnosis	ICD-10-CM
F3132	Bipolar disorder, current episode depressed, moderate	Diagnosis	ICD-10-CM
F314	Bipolar disorder, current episode depressed, severe, without psychotic features	Diagnosis	ICD-10-CM
F315	Bipolar disorder, current episode depressed, severe, with psychotic features	Diagnosis	ICD-10-CM
F3160	Bipolar disorder, current episode mixed, unspecified	Diagnosis	ICD-10-CM
F3161	Bipolar disorder, current episode mixed, mild	Diagnosis	ICD-10-CM
F3162	Bipolar disorder, current episode mixed, moderate	Diagnosis	ICD-10-CM
F3163	Bipolar disorder, current episode mixed, severe, without psychotic features	Diagnosis	ICD-10-CM
F3164	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
F3170	Bipolar disorder, currently in remission, most recent episode unspecified	Diagnosis	ICD-10-CM
F3171	Bipolar disorder, in partial remission, most recent episode hypomanic	Diagnosis	ICD-10-CM
F3172	Bipolar disorder, in full remission, most recent episode hypomanic	Diagnosis	ICD-10-CM
F3173	Bipolar disorder, in partial remission, most recent episode manic	Diagnosis	ICD-10-CM
F3174	Bipolar disorder, in full remission, most recent episode manic	Diagnosis	ICD-10-CM
F3175	Bipolar disorder, in partial remission, most recent episode depressed	Diagnosis	ICD-10-CM
F3176	Bipolar disorder, in full remission, most recent episode depressed	Diagnosis	ICD-10-CM
F3177	Bipolar disorder, in partial remission, most recent episode mixed	Diagnosis	ICD-10-CM
F3178	Bipolar disorder, in full remission, most recent episode mixed	Diagnosis	ICD-10-CM
F3181	Bipolar II disorder	Diagnosis	ICD-10-CM
F3189	Other bipolar disorder	Diagnosis	ICD-10-CM
F319	Bipolar disorder, unspecified	Diagnosis	ICD-10-CM
F320	Major depressive disorder, single episode, mild	Diagnosis	ICD-10-CM
F321	Major depressive disorder, single episode, moderate	Diagnosis	ICD-10-CM
F322	Major depressive disorder, single episode, severe without psychotic features	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F324	Major depressive disorder, single episode, in partial remission	Diagnosis	ICD-10-CM
F325	Major depressive disorder, single episode, in full remission	Diagnosis	ICD-10-CM
F328	Other depressive episodes	Diagnosis	ICD-10-CM
F3289	Other specified depressive episodes	Diagnosis	ICD-10-CM
F329	Major depressive disorder, single episode, unspecified	Diagnosis	ICD-10-CM
F330	Major depressive disorder, recurrent, mild	Diagnosis	ICD-10-CM
F331	Major depressive disorder, recurrent, moderate	Diagnosis	ICD-10-CM
F332	Major depressive disorder, recurrent severe without psychotic features	Diagnosis	ICD-10-CM
F333	Major depressive disorder, recurrent, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F3340	Major depressive disorder, recurrent, in remission, unspecified	Diagnosis	ICD-10-CM
F3341	Major depressive disorder, recurrent, in partial remission	Diagnosis	ICD-10-CM
F3342	Major depressive disorder, recurrent, in full remission	Diagnosis	ICD-10-CM
F338	Other recurrent depressive disorders	Diagnosis	ICD-10-CM
F339	Major depressive disorder, recurrent, unspecified	Diagnosis	ICD-10-CM
F341	Dysthymic disorder	Diagnosis	ICD-10-CM
F348	Other persistent mood [affective] disorders	Diagnosis	ICD-10-CM
F3481	Disruptive mood dysregulation disorder	Diagnosis	ICD-10-CM
F3489	Other specified persistent mood disorders	Diagnosis	ICD-10-CM
F349	Persistent mood [affective] disorder, unspecified	Diagnosis	ICD-10-CM
F39	Unspecified mood [affective] disorder	Diagnosis	ICD-10-CM
F4320	Adjustment disorder, unspecified	Diagnosis	ICD-10-CM
F4321	Adjustment disorder with depressed mood	Diagnosis	ICD-10-CM
F4322	Adjustment disorder with anxiety	Diagnosis	ICD-10-CM
F4323	Adjustment disorder with mixed anxiety and depressed mood	Diagnosis	ICD-10-CM
F4324	Adjustment disorder with disturbance of conduct	Diagnosis	ICD-10-CM
F4325	Adjustment disorder with mixed disturbance of emotions and conduct	Diagnosis	ICD-10-CM
F4329	Adjustment disorder with other symptoms	Diagnosis	ICD-10-CM
F438	Other reactions to severe stress	Diagnosis	ICD-10-CM
F439	Reaction to severe stress, unspecified	Diagnosis	ICD-10-CM
F948	Other childhood disorders of social functioning	Diagnosis	ICD-10-CM
<b>Falls</b>			
V00111A	Fall from in-line roller-skates, initial encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
V00111D	Fall from in-line roller-skates, subsequent encounter	Diagnosis	ICD-10-CM
V00111S	Fall from in-line roller-skates, sequela	Diagnosis	ICD-10-CM
V00121A	Fall from non-in-line roller-skates, initial encounter	Diagnosis	ICD-10-CM
V00121D	Fall from non-in-line roller-skates, subsequent encounter	Diagnosis	ICD-10-CM
V00121S	Fall from non-in-line roller-skates, sequela	Diagnosis	ICD-10-CM
V00131A	Fall from skateboard, initial encounter	Diagnosis	ICD-10-CM
V00131D	Fall from skateboard, subsequent encounter	Diagnosis	ICD-10-CM
V00131S	Fall from skateboard, sequela	Diagnosis	ICD-10-CM
V00141A	Fall from scooter (nonmotorized), initial encounter	Diagnosis	ICD-10-CM
V00141D	Fall from scooter (nonmotorized), subsequent encounter	Diagnosis	ICD-10-CM
V00141S	Fall from scooter (nonmotorized), sequela	Diagnosis	ICD-10-CM
V00151A	Fall from heeled shoes, initial encounter	Diagnosis	ICD-10-CM
V00151D	Fall from heeled shoes, subsequent encounter	Diagnosis	ICD-10-CM
V00151S	Fall from heeled shoes, sequela	Diagnosis	ICD-10-CM
V00181A	Fall from other rolling-type pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00181D	Fall from other rolling-type pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00181S	Fall from other rolling-type pedestrian conveyance, sequela	Diagnosis	ICD-10-CM
V00211A	Fall from ice-skates, initial encounter	Diagnosis	ICD-10-CM
V00211D	Fall from ice-skates, subsequent encounter	Diagnosis	ICD-10-CM
V00211S	Fall from ice-skates, sequela	Diagnosis	ICD-10-CM
V00221A	Fall from sled, initial encounter	Diagnosis	ICD-10-CM
V00221D	Fall from sled, subsequent encounter	Diagnosis	ICD-10-CM
V00221S	Fall from sled, sequela	Diagnosis	ICD-10-CM
V00281A	Fall from other gliding-type pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00281D	Fall from other gliding-type pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00281S	Fall from other gliding-type pedestrian conveyance, sequela	Diagnosis	ICD-10-CM
V00311A	Fall from snowboard, initial encounter	Diagnosis	ICD-10-CM
V00311D	Fall from snowboard, subsequent encounter	Diagnosis	ICD-10-CM
V00311S	Fall from snowboard, sequela	Diagnosis	ICD-10-CM
V00321A	Fall from snow-skis, initial encounter	Diagnosis	ICD-10-CM
V00321D	Fall from snow-skis, subsequent encounter	Diagnosis	ICD-10-CM
V00321S	Fall from snow-skis, sequela	Diagnosis	ICD-10-CM
V00381A	Fall from other flat-bottomed pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00381D	Fall from other flat-bottomed pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00381S	Fall from other flat-bottomed pedestrian conveyance, sequela	Diagnosis	ICD-10-CM
V00811A	Fall from moving wheelchair (powered), initial encounter	Diagnosis	ICD-10-CM
V00811D	Fall from moving wheelchair (powered), subsequent encounter	Diagnosis	ICD-10-CM
V00811S	Fall from moving wheelchair (powered), sequela	Diagnosis	ICD-10-CM
V00821A	Fall from baby stroller, initial encounter	Diagnosis	ICD-10-CM
V00821D	Fall from baby stroller, subsequent encounter	Diagnosis	ICD-10-CM
V00821S	Fall from baby stroller, sequela	Diagnosis	ICD-10-CM
V00831A	Fall from motorized mobility scooter, initial encounter	Diagnosis	ICD-10-CM
V00831D	Fall from motorized mobility scooter, subsequent encounter	Diagnosis	ICD-10-CM
V00831S	Fall from motorized mobility scooter, sequela	Diagnosis	ICD-10-CM
V00891A	Fall from other pedestrian conveyance, initial encounter	Diagnosis	ICD-10-CM
V00891D	Fall from other pedestrian conveyance, subsequent encounter	Diagnosis	ICD-10-CM
V00891S	Fall from other pedestrian conveyance, sequela	Diagnosis	ICD-10-CM
W000XXA	Fall on same level due to ice and snow, initial encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W000XXD	Fall on same level due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W000XXS	Fall on same level due to ice and snow, sequela	Diagnosis	ICD-10-CM
W001XXA	Fall from stairs and steps due to ice and snow, initial encounter	Diagnosis	ICD-10-CM
W001XXD	Fall from stairs and steps due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W001XXS	Fall from stairs and steps due to ice and snow, sequela	Diagnosis	ICD-10-CM
W002XXA	Other fall from one level to another due to ice and snow, initial encounter	Diagnosis	ICD-10-CM
W002XXD	Other fall from one level to another due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W002XXS	Other fall from one level to another due to ice and snow, sequela	Diagnosis	ICD-10-CM
W009XXA	Unspecified fall due to ice and snow, initial encounter	Diagnosis	ICD-10-CM
W009XXD	Unspecified fall due to ice and snow, subsequent encounter	Diagnosis	ICD-10-CM
W009XXS	Unspecified fall due to ice and snow, sequela	Diagnosis	ICD-10-CM
W010XXA	Fall on same level from slipping, tripping and stumbling without subsequent striking against object, initial encounter	Diagnosis	ICD-10-CM
W010XXD	Fall on same level from slipping, tripping and stumbling without subsequent striking against object, subsequent encounter	Diagnosis	ICD-10-CM
W010XXS	Fall on same level from slipping, tripping and stumbling without subsequent striking against object, sequela	Diagnosis	ICD-10-CM
W0110XA	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified object, initial encounter	Diagnosis	ICD-10-CM
W0110XD	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified object, subsequent encounter	Diagnosis	ICD-10-CM
W0110XS	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified object, sequela	Diagnosis	ICD-10-CM
W01110A	Fall on same level from slipping, tripping and stumbling with subsequent striking against sharp glass, initial encounter	Diagnosis	ICD-10-CM
W01110D	Fall on same level from slipping, tripping and stumbling with subsequent striking against sharp glass, subsequent encounter	Diagnosis	ICD-10-CM
W01110S	Fall on same level from slipping, tripping and stumbling with subsequent striking against sharp glass, sequela	Diagnosis	ICD-10-CM
W01111A	Fall on same level from slipping, tripping and stumbling with subsequent striking against power tool or machine, initial encounter	Diagnosis	ICD-10-CM
W01111D	Fall on same level from slipping, tripping and stumbling with subsequent striking against power tool or machine, subsequent encounter	Diagnosis	ICD-10-CM
W01111S	Fall on same level from slipping, tripping and stumbling with subsequent striking against power tool or machine, sequela	Diagnosis	ICD-10-CM
W01118A	Fall on same level from slipping, tripping and stumbling with subsequent striking against other sharp object, initial encounter	Diagnosis	ICD-10-CM
W01118D	Fall on same level from slipping, tripping and stumbling with subsequent striking against other sharp object, subsequent encounter	Diagnosis	ICD-10-CM
W01118S	Fall on same level from slipping, tripping and stumbling with subsequent striking against other sharp object, sequela	Diagnosis	ICD-10-CM
W01119A	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified sharp object, initial encounter	Diagnosis	ICD-10-CM
W01119D	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified sharp object, subsequent encounter	Diagnosis	ICD-10-CM
W01119S	Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified sharp object, sequela	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W01190A	Fall on same level from slipping, tripping and stumbling with subsequent striking against furniture, initial encounter	Diagnosis	ICD-10-CM
W01190D	Fall on same level from slipping, tripping and stumbling with subsequent striking against furniture, subsequent encounter	Diagnosis	ICD-10-CM
W01190S	Fall on same level from slipping, tripping and stumbling with subsequent striking against furniture, sequela	Diagnosis	ICD-10-CM
W01198A	Fall on same level from slipping, tripping and stumbling with subsequent striking against other object, initial encounter	Diagnosis	ICD-10-CM
W01198D	Fall on same level from slipping, tripping and stumbling with subsequent striking against other object, subsequent encounter	Diagnosis	ICD-10-CM
W01198S	Fall on same level from slipping, tripping and stumbling with subsequent striking against other object, sequela	Diagnosis	ICD-10-CM
W03XXXA	Other fall on same level due to collision with another person, initial encounter	Diagnosis	ICD-10-CM
W03XXXD	Other fall on same level due to collision with another person, subsequent encounter	Diagnosis	ICD-10-CM
W03XXXS	Other fall on same level due to collision with another person, sequela	Diagnosis	ICD-10-CM
W04XXXA	Fall while being carried or supported by other persons, initial encounter	Diagnosis	ICD-10-CM
W04XXXD	Fall while being carried or supported by other persons, subsequent encounter	Diagnosis	ICD-10-CM
W04XXXS	Fall while being carried or supported by other persons, sequela	Diagnosis	ICD-10-CM
W050XXA	Fall from non-moving wheelchair, initial encounter	Diagnosis	ICD-10-CM
W050XXD	Fall from non-moving wheelchair, subsequent encounter	Diagnosis	ICD-10-CM
W050XXS	Fall from non-moving wheelchair, sequela	Diagnosis	ICD-10-CM
W051XXA	Fall from non-moving nonmotorized scooter, initial encounter	Diagnosis	ICD-10-CM
W051XXD	Fall from non-moving nonmotorized scooter, subsequent encounter	Diagnosis	ICD-10-CM
W051XXS	Fall from non-moving nonmotorized scooter, sequela	Diagnosis	ICD-10-CM
W052XXA	Fall from non-moving motorized mobility scooter, initial encounter	Diagnosis	ICD-10-CM
W052XXD	Fall from non-moving motorized mobility scooter, subsequent encounter	Diagnosis	ICD-10-CM
W052XXS	Fall from non-moving motorized mobility scooter, sequela	Diagnosis	ICD-10-CM
W06XXXA	Fall from bed, initial encounter	Diagnosis	ICD-10-CM
W06XXXD	Fall from bed, subsequent encounter	Diagnosis	ICD-10-CM
W06XXXS	Fall from bed, sequela	Diagnosis	ICD-10-CM
W07XXXA	Fall from chair, initial encounter	Diagnosis	ICD-10-CM
W07XXXD	Fall from chair, subsequent encounter	Diagnosis	ICD-10-CM
W07XXXS	Fall from chair, sequela	Diagnosis	ICD-10-CM
W08XXXA	Fall from other furniture, initial encounter	Diagnosis	ICD-10-CM
W08XXXD	Fall from other furniture, subsequent encounter	Diagnosis	ICD-10-CM
W08XXXS	Fall from other furniture, sequela	Diagnosis	ICD-10-CM
W090XXA	Fall on or from playground slide, initial encounter	Diagnosis	ICD-10-CM
W090XXD	Fall on or from playground slide, subsequent encounter	Diagnosis	ICD-10-CM
W090XXS	Fall on or from playground slide, sequela	Diagnosis	ICD-10-CM
W091XXA	Fall from playground swing, initial encounter	Diagnosis	ICD-10-CM
W091XXD	Fall from playground swing, subsequent encounter	Diagnosis	ICD-10-CM
W091XXS	Fall from playground swing, sequela	Diagnosis	ICD-10-CM
W092XXA	Fall on or from jungle gym, initial encounter	Diagnosis	ICD-10-CM
W092XXD	Fall on or from jungle gym, subsequent encounter	Diagnosis	ICD-10-CM
W092XXS	Fall on or from jungle gym, sequela	Diagnosis	ICD-10-CM
W098XXA	Fall on or from other playground equipment, initial encounter	Diagnosis	ICD-10-CM
W098XXD	Fall on or from other playground equipment, subsequent encounter	Diagnosis	ICD-10-CM
W098XXS	Fall on or from other playground equipment, sequela	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W100XXA	Fall (on)(from) escalator, initial encounter	Diagnosis	ICD-10-CM
W100XXD	Fall (on)(from) escalator, subsequent encounter	Diagnosis	ICD-10-CM
W100XXS	Fall (on)(from) escalator, sequela	Diagnosis	ICD-10-CM
W101XXA	Fall (on)(from) sidewalk curb, initial encounter	Diagnosis	ICD-10-CM
W101XXD	Fall (on)(from) sidewalk curb, subsequent encounter	Diagnosis	ICD-10-CM
W101XXS	Fall (on)(from) sidewalk curb, sequela	Diagnosis	ICD-10-CM
W102XXA	Fall (on)(from) incline, initial encounter	Diagnosis	ICD-10-CM
W102XXD	Fall (on)(from) incline, subsequent encounter	Diagnosis	ICD-10-CM
W102XXS	Fall (on)(from) incline, sequela	Diagnosis	ICD-10-CM
W108XXA	Fall (on) (from) other stairs and steps, initial encounter	Diagnosis	ICD-10-CM
W108XXD	Fall (on) (from) other stairs and steps, subsequent encounter	Diagnosis	ICD-10-CM
W108XXS	Fall (on) (from) other stairs and steps, sequela	Diagnosis	ICD-10-CM
W109XXA	Fall (on) (from) unspecified stairs and steps, initial encounter	Diagnosis	ICD-10-CM
W109XXD	Fall (on) (from) unspecified stairs and steps, subsequent encounter	Diagnosis	ICD-10-CM
W109XXS	Fall (on) (from) unspecified stairs and steps, sequela	Diagnosis	ICD-10-CM
W11XXA	Fall on and from ladder, initial encounter	Diagnosis	ICD-10-CM
W11XXD	Fall on and from ladder, subsequent encounter	Diagnosis	ICD-10-CM
W11XXS	Fall on and from ladder, sequela	Diagnosis	ICD-10-CM
W12XXA	Fall on and from scaffolding, initial encounter	Diagnosis	ICD-10-CM
W12XXD	Fall on and from scaffolding, subsequent encounter	Diagnosis	ICD-10-CM
W12XXS	Fall on and from scaffolding, sequela	Diagnosis	ICD-10-CM
W130XXA	Fall from, out of or through balcony, initial encounter	Diagnosis	ICD-10-CM
W130XXD	Fall from, out of or through balcony, subsequent encounter	Diagnosis	ICD-10-CM
W130XXS	Fall from, out of or through balcony, sequela	Diagnosis	ICD-10-CM
W131XXA	Fall from, out of or through bridge, initial encounter	Diagnosis	ICD-10-CM
W131XXD	Fall from, out of or through bridge, subsequent encounter	Diagnosis	ICD-10-CM
W131XXS	Fall from, out of or through bridge, sequela	Diagnosis	ICD-10-CM
W132XXA	Fall from, out of or through roof, initial encounter	Diagnosis	ICD-10-CM
W132XXD	Fall from, out of or through roof, subsequent encounter	Diagnosis	ICD-10-CM
W132XXS	Fall from, out of or through roof, sequela	Diagnosis	ICD-10-CM
W133XXA	Fall through floor, initial encounter	Diagnosis	ICD-10-CM
W133XXD	Fall through floor, subsequent encounter	Diagnosis	ICD-10-CM
W133XXS	Fall through floor, sequela	Diagnosis	ICD-10-CM
W134XXA	Fall from, out of or through window, initial encounter	Diagnosis	ICD-10-CM
W134XXD	Fall from, out of or through window, subsequent encounter	Diagnosis	ICD-10-CM
W134XXS	Fall from, out of or through window, sequela	Diagnosis	ICD-10-CM
W138XXA	Fall from, out of or through other building or structure, initial encounter	Diagnosis	ICD-10-CM
W138XXD	Fall from, out of or through other building or structure, subsequent encounter	Diagnosis	ICD-10-CM
W138XXS	Fall from, out of or through other building or structure, sequela	Diagnosis	ICD-10-CM
W139XXA	Fall from, out of or through building, not otherwise specified, initial encounter	Diagnosis	ICD-10-CM
W139XXD	Fall from, out of or through building, not otherwise specified, subsequent encounter	Diagnosis	ICD-10-CM
W139XXS	Fall from, out of or through building, not otherwise specified, sequela	Diagnosis	ICD-10-CM
W14XXA	Fall from tree, initial encounter	Diagnosis	ICD-10-CM
W14XXD	Fall from tree, subsequent encounter	Diagnosis	ICD-10-CM
W14XXS	Fall from tree, sequela	Diagnosis	ICD-10-CM
W15XXA	Fall from cliff, initial encounter	Diagnosis	ICD-10-CM
W15XXD	Fall from cliff, subsequent encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W15XXXS	Fall from cliff, sequela	Diagnosis	ICD-10-CM
W16011A	Fall into swimming pool striking water surface causing drowning and submersion, initial	Diagnosis	ICD-10-CM
W16011D	Fall into swimming pool striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16011S	Fall into swimming pool striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16012A	Fall into swimming pool striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16012D	Fall into swimming pool striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16012S	Fall into swimming pool striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16021A	Fall into swimming pool striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16021D	Fall into swimming pool striking bottom causing drowning and submersion, subsequent	Diagnosis	ICD-10-CM
W16021S	Fall into swimming pool striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16022A	Fall into swimming pool striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16022D	Fall into swimming pool striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16022S	Fall into swimming pool striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16031A	Fall into swimming pool striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16031D	Fall into swimming pool striking wall causing drowning and submersion, subsequent	Diagnosis	ICD-10-CM
W16031S	Fall into swimming pool striking wall causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16032A	Fall into swimming pool striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16032D	Fall into swimming pool striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16032S	Fall into swimming pool striking wall causing other injury, sequela	Diagnosis	ICD-10-CM
W16111A	Fall into natural body of water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16111D	Fall into natural body of water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16111S	Fall into natural body of water striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16112A	Fall into natural body of water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16112D	Fall into natural body of water striking water surface causing other injury, subsequent	Diagnosis	ICD-10-CM
W16112S	Fall into natural body of water striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16121A	Fall into natural body of water striking bottom causing drowning and submersion, initial	Diagnosis	ICD-10-CM
W16121D	Fall into natural body of water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16121S	Fall into natural body of water striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16122A	Fall into natural body of water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16122D	Fall into natural body of water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16122S	Fall into natural body of water striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16131A	Fall into natural body of water striking side causing drowning and submersion, initial	Diagnosis	ICD-10-CM
W16131D	Fall into natural body of water striking side causing drowning and submersion, subsequent	Diagnosis	ICD-10-CM
W16131S	Fall into natural body of water striking side causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16132A	Fall into natural body of water striking side causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16132D	Fall into natural body of water striking side causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16132S	Fall into natural body of water striking side causing other injury, sequela	Diagnosis	ICD-10-CM
W16211A	Fall in (into) filled bathtub causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16211D	Fall in (into) filled bathtub causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16211S	Fall in (into) filled bathtub causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16212A	Fall in (into) filled bathtub causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16212D	Fall in (into) filled bathtub causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16212S	Fall in (into) filled bathtub causing other injury, sequela	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W16221A	Fall in (into) bucket of water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16221D	Fall in (into) bucket of water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16221S	Fall in (into) bucket of water causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16222A	Fall in (into) bucket of water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16222D	Fall in (into) bucket of water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16222S	Fall in (into) bucket of water causing other injury, sequela	Diagnosis	ICD-10-CM
W16311A	Fall into other water striking water surface causing drowning and submersion, initial	Diagnosis	ICD-10-CM
W16311D	Fall into other water striking water surface causing drowning and submersion, subsequent	Diagnosis	ICD-10-CM
W16311S	Fall into other water striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16312A	Fall into other water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16312D	Fall into other water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16312S	Fall into other water striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16321A	Fall into other water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16321D	Fall into other water striking bottom causing drowning and submersion, subsequent	Diagnosis	ICD-10-CM
W16321S	Fall into other water striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16322A	Fall into other water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16322D	Fall into other water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16322S	Fall into other water striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16331A	Fall into other water striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16331D	Fall into other water striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16331S	Fall into other water striking wall causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16332A	Fall into other water striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16332D	Fall into other water striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16332S	Fall into other water striking wall causing other injury, sequela	Diagnosis	ICD-10-CM
W1641XA	Fall into unspecified water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W1641XD	Fall into unspecified water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W1641XS	Fall into unspecified water causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W1642XA	Fall into unspecified water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W1642XD	Fall into unspecified water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W1642XS	Fall into unspecified water causing other injury, sequela	Diagnosis	ICD-10-CM
W16511A	Jumping or diving into swimming pool striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16511D	Jumping or diving into swimming pool striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16511S	Jumping or diving into swimming pool striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16512A	Jumping or diving into swimming pool striking water surface causing other injury, initial	Diagnosis	ICD-10-CM
W16512D	Jumping or diving into swimming pool striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16512S	Jumping or diving into swimming pool striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16521A	Jumping or diving into swimming pool striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16521D	Jumping or diving into swimming pool striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16521S	Jumping or diving into swimming pool striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16522A	Jumping or diving into swimming pool striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W16522D	Jumping or diving into swimming pool striking bottom causing other injury, subsequent	Diagnosis	ICD-10-CM
W16522S	Jumping or diving into swimming pool striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16531A	Jumping or diving into swimming pool striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16531D	Jumping or diving into swimming pool striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16531S	Jumping or diving into swimming pool striking wall causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16532A	Jumping or diving into swimming pool striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16532D	Jumping or diving into swimming pool striking wall causing other injury, subsequent	Diagnosis	ICD-10-CM
W16532S	Jumping or diving into swimming pool striking wall causing other injury, sequela	Diagnosis	ICD-10-CM
W16611A	Jumping or diving into natural body of water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16611D	Jumping or diving into natural body of water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16611S	Jumping or diving into natural body of water striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16612A	Jumping or diving into natural body of water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16612D	Jumping or diving into natural body of water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16612S	Jumping or diving into natural body of water striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16621A	Jumping or diving into natural body of water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16621D	Jumping or diving into natural body of water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16621S	Jumping or diving into natural body of water striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16622A	Jumping or diving into natural body of water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16622D	Jumping or diving into natural body of water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16622S	Jumping or diving into natural body of water striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16711A	Jumping or diving from boat striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16711D	Jumping or diving from boat striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16711S	Jumping or diving from boat striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16712A	Jumping or diving from boat striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16712D	Jumping or diving from boat striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16712S	Jumping or diving from boat striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16721A	Jumping or diving from boat striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16721D	Jumping or diving from boat striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W16721S	Jumping or diving from boat striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16722A	Jumping or diving from boat striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16722D	Jumping or diving from boat striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16722S	Jumping or diving from boat striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16811A	Jumping or diving into other water striking water surface causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16811D	Jumping or diving into other water striking water surface causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16811S	Jumping or diving into other water striking water surface causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16812A	Jumping or diving into other water striking water surface causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16812D	Jumping or diving into other water striking water surface causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16812S	Jumping or diving into other water striking water surface causing other injury, sequela	Diagnosis	ICD-10-CM
W16821A	Jumping or diving into other water striking bottom causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16821D	Jumping or diving into other water striking bottom causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16821S	Jumping or diving into other water striking bottom causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16822A	Jumping or diving into other water striking bottom causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16822D	Jumping or diving into other water striking bottom causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16822S	Jumping or diving into other water striking bottom causing other injury, sequela	Diagnosis	ICD-10-CM
W16831A	Jumping or diving into other water striking wall causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W16831D	Jumping or diving into other water striking wall causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W16831S	Jumping or diving into other water striking wall causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W16832A	Jumping or diving into other water striking wall causing other injury, initial encounter	Diagnosis	ICD-10-CM
W16832D	Jumping or diving into other water striking wall causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W16832S	Jumping or diving into other water striking wall causing other injury, sequela	Diagnosis	ICD-10-CM
W1691XA	Jumping or diving into unspecified water causing drowning and submersion, initial encounter	Diagnosis	ICD-10-CM
W1691XD	Jumping or diving into unspecified water causing drowning and submersion, subsequent encounter	Diagnosis	ICD-10-CM
W1691XS	Jumping or diving into unspecified water causing drowning and submersion, sequela	Diagnosis	ICD-10-CM
W1692XA	Jumping or diving into unspecified water causing other injury, initial encounter	Diagnosis	ICD-10-CM
W1692XD	Jumping or diving into unspecified water causing other injury, subsequent encounter	Diagnosis	ICD-10-CM
W1692XS	Jumping or diving into unspecified water causing other injury, sequela	Diagnosis	ICD-10-CM
W170XXA	Fall into well, initial encounter	Diagnosis	ICD-10-CM
W170XXD	Fall into well, subsequent encounter	Diagnosis	ICD-10-CM
W170XXS	Fall into well, sequela	Diagnosis	ICD-10-CM
W171XXA	Fall into storm drain or manhole, initial encounter	Diagnosis	ICD-10-CM
W171XXD	Fall into storm drain or manhole, subsequent encounter	Diagnosis	ICD-10-CM
W171XXS	Fall into storm drain or manhole, sequela	Diagnosis	ICD-10-CM
W172XXA	Fall into hole, initial encounter	Diagnosis	ICD-10-CM
W172XXD	Fall into hole, subsequent encounter	Diagnosis	ICD-10-CM
W172XXS	Fall into hole, sequela	Diagnosis	ICD-10-CM
W173XXA	Fall into empty swimming pool, initial encounter	Diagnosis	ICD-10-CM
W173XXD	Fall into empty swimming pool, subsequent encounter	Diagnosis	ICD-10-CM
W173XXS	Fall into empty swimming pool, sequela	Diagnosis	ICD-10-CM
W174XXA	Fall from dock, initial encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
W174XXD	Fall from dock, subsequent encounter	Diagnosis	ICD-10-CM
W174XXS	Fall from dock, sequela	Diagnosis	ICD-10-CM
W1781XA	Fall down embankment (hill), initial encounter	Diagnosis	ICD-10-CM
W1781XD	Fall down embankment (hill), subsequent encounter	Diagnosis	ICD-10-CM
W1781XS	Fall down embankment (hill), sequela	Diagnosis	ICD-10-CM
W1782XA	Fall from (out of) grocery cart, initial encounter	Diagnosis	ICD-10-CM
W1782XD	Fall from (out of) grocery cart, subsequent encounter	Diagnosis	ICD-10-CM
W1782XS	Fall from (out of) grocery cart, sequela	Diagnosis	ICD-10-CM
W1789XA	Other fall from one level to another, initial encounter	Diagnosis	ICD-10-CM
W1789XD	Other fall from one level to another, subsequent encounter	Diagnosis	ICD-10-CM
W1789XS	Other fall from one level to another, sequela	Diagnosis	ICD-10-CM
W1800XA	Striking against unspecified object with subsequent fall, initial encounter	Diagnosis	ICD-10-CM
W1800XD	Striking against unspecified object with subsequent fall, subsequent encounter	Diagnosis	ICD-10-CM
W1800XS	Striking against unspecified object with subsequent fall, sequela	Diagnosis	ICD-10-CM
W1801XA	Striking against sports equipment with subsequent fall, initial encounter	Diagnosis	ICD-10-CM
W1801XD	Striking against sports equipment with subsequent fall, subsequent encounter	Diagnosis	ICD-10-CM
W1801XS	Striking against sports equipment with subsequent fall, sequela	Diagnosis	ICD-10-CM
W1802XA	Striking against glass with subsequent fall, initial encounter	Diagnosis	ICD-10-CM
W1802XD	Striking against glass with subsequent fall, subsequent encounter	Diagnosis	ICD-10-CM
W1802XS	Striking against glass with subsequent fall, sequela	Diagnosis	ICD-10-CM
W1809XA	Striking against other object with subsequent fall, initial encounter	Diagnosis	ICD-10-CM
W1809XD	Striking against other object with subsequent fall, subsequent encounter	Diagnosis	ICD-10-CM
W1809XS	Striking against other object with subsequent fall, sequela	Diagnosis	ICD-10-CM
W1811XA	Fall from or off toilet without subsequent striking against object, initial encounter	Diagnosis	ICD-10-CM
W1811XD	Fall from or off toilet without subsequent striking against object, subsequent encounter	Diagnosis	ICD-10-CM
W1811XS	Fall from or off toilet without subsequent striking against object, sequela	Diagnosis	ICD-10-CM
W1812XA	Fall from or off toilet with subsequent striking against object, initial encounter	Diagnosis	ICD-10-CM
W1812XD	Fall from or off toilet with subsequent striking against object, subsequent encounter	Diagnosis	ICD-10-CM
W1812XS	Fall from or off toilet with subsequent striking against object, sequela	Diagnosis	ICD-10-CM
W182XXA	Fall in (into) shower or empty bathtub, initial encounter	Diagnosis	ICD-10-CM
W182XXD	Fall in (into) shower or empty bathtub, subsequent encounter	Diagnosis	ICD-10-CM
W182XXS	Fall in (into) shower or empty bathtub, sequela	Diagnosis	ICD-10-CM
W1830XA	Fall on same level, unspecified, initial encounter	Diagnosis	ICD-10-CM
W1830XD	Fall on same level, unspecified, subsequent encounter	Diagnosis	ICD-10-CM
W1830XS	Fall on same level, unspecified, sequela	Diagnosis	ICD-10-CM
W1831XA	Fall on same level due to stepping on an object, initial encounter	Diagnosis	ICD-10-CM
W1831XD	Fall on same level due to stepping on an object, subsequent encounter	Diagnosis	ICD-10-CM
W1831XS	Fall on same level due to stepping on an object, sequela	Diagnosis	ICD-10-CM
W1839XA	Other fall on same level, initial encounter	Diagnosis	ICD-10-CM
W1839XD	Other fall on same level, subsequent encounter	Diagnosis	ICD-10-CM
W1839XS	Other fall on same level, sequela	Diagnosis	ICD-10-CM
W19XXXXA	Unspecified fall, initial encounter	Diagnosis	ICD-10-CM
W19XXXXD	Unspecified fall, subsequent encounter	Diagnosis	ICD-10-CM
W19XXXXS	Unspecified fall, sequela	Diagnosis	ICD-10-CM
Y01XXXXA	Assault by pushing from high place, initial encounter	Diagnosis	ICD-10-CM
Y01XXXXD	Assault by pushing from high place, subsequent encounter	Diagnosis	ICD-10-CM
Y01XXXXS	Assault by pushing from high place, sequela	Diagnosis	ICD-10-CM
Y30XXXXA	Falling, jumping or pushed from a high place, undetermined intent, initial encounter	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
Y30XXDX	Falling, jumping or pushed from a high place, undetermined intent, subsequent encounter	Diagnosis	ICD-10-CM
Y30XXXS	Falling, jumping or pushed from a high place, undetermined intent, sequela	Diagnosis	ICD-10-CM
<b>Gout</b>			
M1000	Idiopathic gout, unspecified site	Diagnosis	ICD-10-CM
M10011	Idiopathic gout, right shoulder	Diagnosis	ICD-10-CM
M10012	Idiopathic gout, left shoulder	Diagnosis	ICD-10-CM
M10019	Idiopathic gout, unspecified shoulder	Diagnosis	ICD-10-CM
M10021	Idiopathic gout, right elbow	Diagnosis	ICD-10-CM
M10022	Idiopathic gout, left elbow	Diagnosis	ICD-10-CM
M10029	Idiopathic gout, unspecified elbow	Diagnosis	ICD-10-CM
M10031	Idiopathic gout, right wrist	Diagnosis	ICD-10-CM
M10032	Idiopathic gout, left wrist	Diagnosis	ICD-10-CM
M10039	Idiopathic gout, unspecified wrist	Diagnosis	ICD-10-CM
M10041	Idiopathic gout, right hand	Diagnosis	ICD-10-CM
M10042	Idiopathic gout, left hand	Diagnosis	ICD-10-CM
M10049	Idiopathic gout, unspecified hand	Diagnosis	ICD-10-CM
M10051	Idiopathic gout, right hip	Diagnosis	ICD-10-CM
M10052	Idiopathic gout, left hip	Diagnosis	ICD-10-CM
M10059	Idiopathic gout, unspecified hip	Diagnosis	ICD-10-CM
M10061	Idiopathic gout, right knee	Diagnosis	ICD-10-CM
M10062	Idiopathic gout, left knee	Diagnosis	ICD-10-CM
M10069	Idiopathic gout, unspecified knee	Diagnosis	ICD-10-CM
M10071	Idiopathic gout, right ankle and foot	Diagnosis	ICD-10-CM
M10072	Idiopathic gout, left ankle and foot	Diagnosis	ICD-10-CM
M10079	Idiopathic gout, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1008	Idiopathic gout, vertebrae	Diagnosis	ICD-10-CM
M1009	Idiopathic gout, multiple sites	Diagnosis	ICD-10-CM
M1010	Lead-induced gout, unspecified site	Diagnosis	ICD-10-CM
M10111	Lead-induced gout, right shoulder	Diagnosis	ICD-10-CM
M10112	Lead-induced gout, left shoulder	Diagnosis	ICD-10-CM
M10119	Lead-induced gout, unspecified shoulder	Diagnosis	ICD-10-CM
M10121	Lead-induced gout, right elbow	Diagnosis	ICD-10-CM
M10122	Lead-induced gout, left elbow	Diagnosis	ICD-10-CM
M10129	Lead-induced gout, unspecified elbow	Diagnosis	ICD-10-CM
M10131	Lead-induced gout, right wrist	Diagnosis	ICD-10-CM
M10132	Lead-induced gout, left wrist	Diagnosis	ICD-10-CM
M10139	Lead-induced gout, unspecified wrist	Diagnosis	ICD-10-CM
M10141	Lead-induced gout, right hand	Diagnosis	ICD-10-CM
M10142	Lead-induced gout, left hand	Diagnosis	ICD-10-CM
M10149	Lead-induced gout, unspecified hand	Diagnosis	ICD-10-CM
M10151	Lead-induced gout, right hip	Diagnosis	ICD-10-CM
M10152	Lead-induced gout, left hip	Diagnosis	ICD-10-CM
M10159	Lead-induced gout, unspecified hip	Diagnosis	ICD-10-CM
M10161	Lead-induced gout, right knee	Diagnosis	ICD-10-CM
M10162	Lead-induced gout, left knee	Diagnosis	ICD-10-CM
M10169	Lead-induced gout, unspecified knee	Diagnosis	ICD-10-CM
M10171	Lead-induced gout, right ankle and foot	Diagnosis	ICD-10-CM
M10172	Lead-induced gout, left ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M10179	Lead-induced gout, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1018	Lead-induced gout, vertebrae	Diagnosis	ICD-10-CM
M1019	Lead-induced gout, multiple sites	Diagnosis	ICD-10-CM
M1020	Drug-induced gout, unspecified site	Diagnosis	ICD-10-CM
M10211	Drug-induced gout, right shoulder	Diagnosis	ICD-10-CM
M10212	Drug-induced gout, left shoulder	Diagnosis	ICD-10-CM
M10219	Drug-induced gout, unspecified shoulder	Diagnosis	ICD-10-CM
M10221	Drug-induced gout, right elbow	Diagnosis	ICD-10-CM
M10222	Drug-induced gout, left elbow	Diagnosis	ICD-10-CM
M10229	Drug-induced gout, unspecified elbow	Diagnosis	ICD-10-CM
M10231	Drug-induced gout, right wrist	Diagnosis	ICD-10-CM
M10232	Drug-induced gout, left wrist	Diagnosis	ICD-10-CM
M10239	Drug-induced gout, unspecified wrist	Diagnosis	ICD-10-CM
M10241	Drug-induced gout, right hand	Diagnosis	ICD-10-CM
M10242	Drug-induced gout, left hand	Diagnosis	ICD-10-CM
M10249	Drug-induced gout, unspecified hand	Diagnosis	ICD-10-CM
M10251	Drug-induced gout, right hip	Diagnosis	ICD-10-CM
M10252	Drug-induced gout, left hip	Diagnosis	ICD-10-CM
M10259	Drug-induced gout, unspecified hip	Diagnosis	ICD-10-CM
M10261	Drug-induced gout, right knee	Diagnosis	ICD-10-CM
M10262	Drug-induced gout, left knee	Diagnosis	ICD-10-CM
M10269	Drug-induced gout, unspecified knee	Diagnosis	ICD-10-CM
M10271	Drug-induced gout, right ankle and foot	Diagnosis	ICD-10-CM
M10272	Drug-induced gout, left ankle and foot	Diagnosis	ICD-10-CM
M10279	Drug-induced gout, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1028	Drug-induced gout, vertebrae	Diagnosis	ICD-10-CM
M1029	Drug-induced gout, multiple sites	Diagnosis	ICD-10-CM
M1030	Gout due to renal impairment, unspecified site	Diagnosis	ICD-10-CM
M10311	Gout due to renal impairment, right shoulder	Diagnosis	ICD-10-CM
M10312	Gout due to renal impairment, left shoulder	Diagnosis	ICD-10-CM
M10319	Gout due to renal impairment, unspecified shoulder	Diagnosis	ICD-10-CM
M10321	Gout due to renal impairment, right elbow	Diagnosis	ICD-10-CM
M10322	Gout due to renal impairment, left elbow	Diagnosis	ICD-10-CM
M10329	Gout due to renal impairment, unspecified elbow	Diagnosis	ICD-10-CM
M10331	Gout due to renal impairment, right wrist	Diagnosis	ICD-10-CM
M10332	Gout due to renal impairment, left wrist	Diagnosis	ICD-10-CM
M10339	Gout due to renal impairment, unspecified wrist	Diagnosis	ICD-10-CM
M10341	Gout due to renal impairment, right hand	Diagnosis	ICD-10-CM
M10342	Gout due to renal impairment, left hand	Diagnosis	ICD-10-CM
M10349	Gout due to renal impairment, unspecified hand	Diagnosis	ICD-10-CM
M10351	Gout due to renal impairment, right hip	Diagnosis	ICD-10-CM
M10352	Gout due to renal impairment, left hip	Diagnosis	ICD-10-CM
M10359	Gout due to renal impairment, unspecified hip	Diagnosis	ICD-10-CM
M10361	Gout due to renal impairment, right knee	Diagnosis	ICD-10-CM
M10362	Gout due to renal impairment, left knee	Diagnosis	ICD-10-CM
M10369	Gout due to renal impairment, unspecified knee	Diagnosis	ICD-10-CM
M10371	Gout due to renal impairment, right ankle and foot	Diagnosis	ICD-10-CM
M10372	Gout due to renal impairment, left ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M10379	Gout due to renal impairment, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1038	Gout due to renal impairment, vertebrae	Diagnosis	ICD-10-CM
M1039	Gout due to renal impairment, multiple sites	Diagnosis	ICD-10-CM
M1040	Other secondary gout, unspecified site	Diagnosis	ICD-10-CM
M10411	Other secondary gout, right shoulder	Diagnosis	ICD-10-CM
M10412	Other secondary gout, left shoulder	Diagnosis	ICD-10-CM
M10419	Other secondary gout, unspecified shoulder	Diagnosis	ICD-10-CM
M10421	Other secondary gout, right elbow	Diagnosis	ICD-10-CM
M10422	Other secondary gout, left elbow	Diagnosis	ICD-10-CM
M10429	Other secondary gout, unspecified elbow	Diagnosis	ICD-10-CM
M10431	Other secondary gout, right wrist	Diagnosis	ICD-10-CM
M10432	Other secondary gout, left wrist	Diagnosis	ICD-10-CM
M10439	Other secondary gout, unspecified wrist	Diagnosis	ICD-10-CM
M10441	Other secondary gout, right hand	Diagnosis	ICD-10-CM
M10442	Other secondary gout, left hand	Diagnosis	ICD-10-CM
M10449	Other secondary gout, unspecified hand	Diagnosis	ICD-10-CM
M10451	Other secondary gout, right hip	Diagnosis	ICD-10-CM
M10452	Other secondary gout, left hip	Diagnosis	ICD-10-CM
M10459	Other secondary gout, unspecified hip	Diagnosis	ICD-10-CM
M10461	Other secondary gout, right knee	Diagnosis	ICD-10-CM
M10462	Other secondary gout, left knee	Diagnosis	ICD-10-CM
M10469	Other secondary gout, unspecified knee	Diagnosis	ICD-10-CM
M10471	Other secondary gout, right ankle and foot	Diagnosis	ICD-10-CM
M10472	Other secondary gout, left ankle and foot	Diagnosis	ICD-10-CM
M10479	Other secondary gout, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1048	Other secondary gout, vertebrae	Diagnosis	ICD-10-CM
M1049	Other secondary gout, multiple sites	Diagnosis	ICD-10-CM
M109	Gout, unspecified	Diagnosis	ICD-10-CM
M1100	Hydroxyapatite deposition disease, unspecified site	Diagnosis	ICD-10-CM
M11011	Hydroxyapatite deposition disease, right shoulder	Diagnosis	ICD-10-CM
M11012	Hydroxyapatite deposition disease, left shoulder	Diagnosis	ICD-10-CM
M11019	Hydroxyapatite deposition disease, unspecified shoulder	Diagnosis	ICD-10-CM
M11021	Hydroxyapatite deposition disease, right elbow	Diagnosis	ICD-10-CM
M11022	Hydroxyapatite deposition disease, left elbow	Diagnosis	ICD-10-CM
M11029	Hydroxyapatite deposition disease, unspecified elbow	Diagnosis	ICD-10-CM
M11031	Hydroxyapatite deposition disease, right wrist	Diagnosis	ICD-10-CM
M11032	Hydroxyapatite deposition disease, left wrist	Diagnosis	ICD-10-CM
M11039	Hydroxyapatite deposition disease, unspecified wrist	Diagnosis	ICD-10-CM
M11041	Hydroxyapatite deposition disease, right hand	Diagnosis	ICD-10-CM
M11042	Hydroxyapatite deposition disease, left hand	Diagnosis	ICD-10-CM
M11049	Hydroxyapatite deposition disease, unspecified hand	Diagnosis	ICD-10-CM
M11051	Hydroxyapatite deposition disease, right hip	Diagnosis	ICD-10-CM
M11052	Hydroxyapatite deposition disease, left hip	Diagnosis	ICD-10-CM
M11059	Hydroxyapatite deposition disease, unspecified hip	Diagnosis	ICD-10-CM
M11061	Hydroxyapatite deposition disease, right knee	Diagnosis	ICD-10-CM
M11062	Hydroxyapatite deposition disease, left knee	Diagnosis	ICD-10-CM
M11069	Hydroxyapatite deposition disease, unspecified knee	Diagnosis	ICD-10-CM
M11071	Hydroxyapatite deposition disease, right ankle and foot	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M11072	Hydroxyapatite deposition disease, left ankle and foot	Diagnosis	ICD-10-CM
M11079	Hydroxyapatite deposition disease, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1108	Hydroxyapatite deposition disease, vertebrae	Diagnosis	ICD-10-CM
M1109	Hydroxyapatite deposition disease, multiple sites	Diagnosis	ICD-10-CM
M1110	Familial chondrocalcinosis, unspecified site	Diagnosis	ICD-10-CM
M11111	Familial chondrocalcinosis, right shoulder	Diagnosis	ICD-10-CM
M11112	Familial chondrocalcinosis, left shoulder	Diagnosis	ICD-10-CM
M11119	Familial chondrocalcinosis, unspecified shoulder	Diagnosis	ICD-10-CM
M11121	Familial chondrocalcinosis, right elbow	Diagnosis	ICD-10-CM
M11122	Familial chondrocalcinosis, left elbow	Diagnosis	ICD-10-CM
M11129	Familial chondrocalcinosis, unspecified elbow	Diagnosis	ICD-10-CM
M11131	Familial chondrocalcinosis, right wrist	Diagnosis	ICD-10-CM
M11132	Familial chondrocalcinosis, left wrist	Diagnosis	ICD-10-CM
M11139	Familial chondrocalcinosis, unspecified wrist	Diagnosis	ICD-10-CM
M11141	Familial chondrocalcinosis, right hand	Diagnosis	ICD-10-CM
M11142	Familial chondrocalcinosis, left hand	Diagnosis	ICD-10-CM
M11149	Familial chondrocalcinosis, unspecified hand	Diagnosis	ICD-10-CM
M11151	Familial chondrocalcinosis, right hip	Diagnosis	ICD-10-CM
M11152	Familial chondrocalcinosis, left hip	Diagnosis	ICD-10-CM
M11159	Familial chondrocalcinosis, unspecified hip	Diagnosis	ICD-10-CM
M11161	Familial chondrocalcinosis, right knee	Diagnosis	ICD-10-CM
M11162	Familial chondrocalcinosis, left knee	Diagnosis	ICD-10-CM
M11169	Familial chondrocalcinosis, unspecified knee	Diagnosis	ICD-10-CM
M11171	Familial chondrocalcinosis, right ankle and foot	Diagnosis	ICD-10-CM
M11172	Familial chondrocalcinosis, left ankle and foot	Diagnosis	ICD-10-CM
M11179	Familial chondrocalcinosis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1118	Familial chondrocalcinosis, vertebrae	Diagnosis	ICD-10-CM
M1119	Familial chondrocalcinosis, multiple sites	Diagnosis	ICD-10-CM
M1120	Other chondrocalcinosis, unspecified site	Diagnosis	ICD-10-CM
M11211	Other chondrocalcinosis, right shoulder	Diagnosis	ICD-10-CM
M11212	Other chondrocalcinosis, left shoulder	Diagnosis	ICD-10-CM
M11219	Other chondrocalcinosis, unspecified shoulder	Diagnosis	ICD-10-CM
M11221	Other chondrocalcinosis, right elbow	Diagnosis	ICD-10-CM
M11222	Other chondrocalcinosis, left elbow	Diagnosis	ICD-10-CM
M11229	Other chondrocalcinosis, unspecified elbow	Diagnosis	ICD-10-CM
M11231	Other chondrocalcinosis, right wrist	Diagnosis	ICD-10-CM
M11232	Other chondrocalcinosis, left wrist	Diagnosis	ICD-10-CM
M11239	Other chondrocalcinosis, unspecified wrist	Diagnosis	ICD-10-CM
M11241	Other chondrocalcinosis, right hand	Diagnosis	ICD-10-CM
M11242	Other chondrocalcinosis, left hand	Diagnosis	ICD-10-CM
M11249	Other chondrocalcinosis, unspecified hand	Diagnosis	ICD-10-CM
M11251	Other chondrocalcinosis, right hip	Diagnosis	ICD-10-CM
M11252	Other chondrocalcinosis, left hip	Diagnosis	ICD-10-CM
M11259	Other chondrocalcinosis, unspecified hip	Diagnosis	ICD-10-CM
M11261	Other chondrocalcinosis, right knee	Diagnosis	ICD-10-CM
M11262	Other chondrocalcinosis, left knee	Diagnosis	ICD-10-CM
M11269	Other chondrocalcinosis, unspecified knee	Diagnosis	ICD-10-CM
M11271	Other chondrocalcinosis, right ankle and foot	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M11272	Other chondrocalcinosis, left ankle and foot	Diagnosis	ICD-10-CM
M11279	Other chondrocalcinosis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1128	Other chondrocalcinosis, vertebrae	Diagnosis	ICD-10-CM
M1129	Other chondrocalcinosis, multiple sites	Diagnosis	ICD-10-CM
M1180	Other specified crystal arthropathies, unspecified site	Diagnosis	ICD-10-CM
M11811	Other specified crystal arthropathies, right shoulder	Diagnosis	ICD-10-CM
M11812	Other specified crystal arthropathies, left shoulder	Diagnosis	ICD-10-CM
M11819	Other specified crystal arthropathies, unspecified shoulder	Diagnosis	ICD-10-CM
M11821	Other specified crystal arthropathies, right elbow	Diagnosis	ICD-10-CM
M11822	Other specified crystal arthropathies, left elbow	Diagnosis	ICD-10-CM
M11829	Other specified crystal arthropathies, unspecified elbow	Diagnosis	ICD-10-CM
M11831	Other specified crystal arthropathies, right wrist	Diagnosis	ICD-10-CM
M11832	Other specified crystal arthropathies, left wrist	Diagnosis	ICD-10-CM
M11839	Other specified crystal arthropathies, unspecified wrist	Diagnosis	ICD-10-CM
M11841	Other specified crystal arthropathies, right hand	Diagnosis	ICD-10-CM
M11842	Other specified crystal arthropathies, left hand	Diagnosis	ICD-10-CM
M11849	Other specified crystal arthropathies, unspecified hand	Diagnosis	ICD-10-CM
M11851	Other specified crystal arthropathies, right hip	Diagnosis	ICD-10-CM
M11852	Other specified crystal arthropathies, left hip	Diagnosis	ICD-10-CM
M11859	Other specified crystal arthropathies, unspecified hip	Diagnosis	ICD-10-CM
M11861	Other specified crystal arthropathies, right knee	Diagnosis	ICD-10-CM
M11862	Other specified crystal arthropathies, left knee	Diagnosis	ICD-10-CM
M11869	Other specified crystal arthropathies, unspecified knee	Diagnosis	ICD-10-CM
M11871	Other specified crystal arthropathies, right ankle and foot	Diagnosis	ICD-10-CM
M11872	Other specified crystal arthropathies, left ankle and foot	Diagnosis	ICD-10-CM
M11879	Other specified crystal arthropathies, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1188	Other specified crystal arthropathies, vertebrae	Diagnosis	ICD-10-CM
M1189	Other specified crystal arthropathies, multiple sites	Diagnosis	ICD-10-CM
M119	Crystal arthropathy, unspecified	Diagnosis	ICD-10-CM
M1A00X0	Idiopathic chronic gout, unspecified site, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A00X1	Idiopathic chronic gout, unspecified site, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0110	Idiopathic chronic gout, right shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0111	Idiopathic chronic gout, right shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0120	Idiopathic chronic gout, left shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0121	Idiopathic chronic gout, left shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0190	Idiopathic chronic gout, unspecified shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0191	Idiopathic chronic gout, unspecified shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0210	Idiopathic chronic gout, right elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0211	Idiopathic chronic gout, right elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0220	Idiopathic chronic gout, left elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0221	Idiopathic chronic gout, left elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0290	Idiopathic chronic gout, unspecified elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0291	Idiopathic chronic gout, unspecified elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0310	Idiopathic chronic gout, right wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0311	Idiopathic chronic gout, right wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0320	Idiopathic chronic gout, left wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0321	Idiopathic chronic gout, left wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0390	Idiopathic chronic gout, unspecified wrist, without tophus (tophi)	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M1A0391	Idiopathic chronic gout, unspecified wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0410	Idiopathic chronic gout, right hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0411	Idiopathic chronic gout, right hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0420	Idiopathic chronic gout, left hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0421	Idiopathic chronic gout, left hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0490	Idiopathic chronic gout, unspecified hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0491	Idiopathic chronic gout, unspecified hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0510	Idiopathic chronic gout, right hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0511	Idiopathic chronic gout, right hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0520	Idiopathic chronic gout, left hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0521	Idiopathic chronic gout, left hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0590	Idiopathic chronic gout, unspecified hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0591	Idiopathic chronic gout, unspecified hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0610	Idiopathic chronic gout, right knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0611	Idiopathic chronic gout, right knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0620	Idiopathic chronic gout, left knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0621	Idiopathic chronic gout, left knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0690	Idiopathic chronic gout, unspecified knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0691	Idiopathic chronic gout, unspecified knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0710	Idiopathic chronic gout, right ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0711	Idiopathic chronic gout, right ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0720	Idiopathic chronic gout, left ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0721	Idiopathic chronic gout, left ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A0790	Idiopathic chronic gout, unspecified ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A0791	Idiopathic chronic gout, unspecified ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A08X0	Idiopathic chronic gout, vertebrae, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A08X1	Idiopathic chronic gout, vertebrae, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A09X0	Idiopathic chronic gout, multiple sites, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A09X1	Idiopathic chronic gout, multiple sites, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A20X0	Drug-induced chronic gout, unspecified site, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A20X1	Drug-induced chronic gout, unspecified site, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2110	Drug-induced chronic gout, right shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2111	Drug-induced chronic gout, right shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2120	Drug-induced chronic gout, left shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2121	Drug-induced chronic gout, left shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2190	Drug-induced chronic gout, unspecified shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2191	Drug-induced chronic gout, unspecified shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2210	Drug-induced chronic gout, right elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2211	Drug-induced chronic gout, right elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2220	Drug-induced chronic gout, left elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2221	Drug-induced chronic gout, left elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2290	Drug-induced chronic gout, unspecified elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2291	Drug-induced chronic gout, unspecified elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2310	Drug-induced chronic gout, right wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2311	Drug-induced chronic gout, right wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2320	Drug-induced chronic gout, left wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2321	Drug-induced chronic gout, left wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2390	Drug-induced chronic gout, unspecified wrist, without tophus (tophi)	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M1A2391	Drug-induced chronic gout, unspecified wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2410	Drug-induced chronic gout, right hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2411	Drug-induced chronic gout, right hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2420	Drug-induced chronic gout, left hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2421	Drug-induced chronic gout, left hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2490	Drug-induced chronic gout, unspecified hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2491	Drug-induced chronic gout, unspecified hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2510	Drug-induced chronic gout, right hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2511	Drug-induced chronic gout, right hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2520	Drug-induced chronic gout, left hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2521	Drug-induced chronic gout, left hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2590	Drug-induced chronic gout, unspecified hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2591	Drug-induced chronic gout, unspecified hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2610	Drug-induced chronic gout, right knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2611	Drug-induced chronic gout, right knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2620	Drug-induced chronic gout, left knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2621	Drug-induced chronic gout, left knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2690	Drug-induced chronic gout, unspecified knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2691	Drug-induced chronic gout, unspecified knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2710	Drug-induced chronic gout, right ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2711	Drug-induced chronic gout, right ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2720	Drug-induced chronic gout, left ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2721	Drug-induced chronic gout, left ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A2790	Drug-induced chronic gout, unspecified ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A2791	Drug-induced chronic gout, unspecified ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A28X0	Drug-induced chronic gout, vertebrae, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A28X1	Drug-induced chronic gout, vertebrae, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A29X0	Drug-induced chronic gout, multiple sites, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A29X1	Drug-induced chronic gout, multiple sites, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A30X0	Chronic gout due to renal impairment, unspecified site, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A30X1	Chronic gout due to renal impairment, unspecified site, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3110	Chronic gout due to renal impairment, right shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3111	Chronic gout due to renal impairment, right shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3120	Chronic gout due to renal impairment, left shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3121	Chronic gout due to renal impairment, left shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3190	Chronic gout due to renal impairment, unspecified shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3191	Chronic gout due to renal impairment, unspecified shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3210	Chronic gout due to renal impairment, right elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3211	Chronic gout due to renal impairment, right elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3220	Chronic gout due to renal impairment, left elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3221	Chronic gout due to renal impairment, left elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3290	Chronic gout due to renal impairment, unspecified elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3291	Chronic gout due to renal impairment, unspecified elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3310	Chronic gout due to renal impairment, right wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3311	Chronic gout due to renal impairment, right wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3320	Chronic gout due to renal impairment, left wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3321	Chronic gout due to renal impairment, left wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3390	Chronic gout due to renal impairment, unspecified wrist, without tophus (tophi)	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M1A3391	Chronic gout due to renal impairment, unspecified wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3410	Chronic gout due to renal impairment, right hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3411	Chronic gout due to renal impairment, right hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3420	Chronic gout due to renal impairment, left hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3421	Chronic gout due to renal impairment, left hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3490	Chronic gout due to renal impairment, unspecified hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3491	Chronic gout due to renal impairment, unspecified hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3510	Chronic gout due to renal impairment, right hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3511	Chronic gout due to renal impairment, right hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3520	Chronic gout due to renal impairment, left hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3521	Chronic gout due to renal impairment, left hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3590	Chronic gout due to renal impairment, unspecified hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3591	Chronic gout due to renal impairment, unspecified hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3610	Chronic gout due to renal impairment, right knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3611	Chronic gout due to renal impairment, right knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3620	Chronic gout due to renal impairment, left knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3621	Chronic gout due to renal impairment, left knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3690	Chronic gout due to renal impairment, unspecified knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3691	Chronic gout due to renal impairment, unspecified knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3710	Chronic gout due to renal impairment, right ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3711	Chronic gout due to renal impairment, right ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3720	Chronic gout due to renal impairment, left ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3721	Chronic gout due to renal impairment, left ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A3790	Chronic gout due to renal impairment, unspecified ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A3791	Chronic gout due to renal impairment, unspecified ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A38X0	Chronic gout due to renal impairment, vertebrae, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A38X1	Chronic gout due to renal impairment, vertebrae, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A39X0	Chronic gout due to renal impairment, multiple sites, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A39X1	Chronic gout due to renal impairment, multiple sites, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A40X0	Other secondary chronic gout, unspecified site, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A40X1	Other secondary chronic gout, unspecified site, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4110	Other secondary chronic gout, right shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4111	Other secondary chronic gout, right shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4120	Other secondary chronic gout, left shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4121	Other secondary chronic gout, left shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4190	Other secondary chronic gout, unspecified shoulder, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4191	Other secondary chronic gout, unspecified shoulder, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4210	Other secondary chronic gout, right elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4211	Other secondary chronic gout, right elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4220	Other secondary chronic gout, left elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4221	Other secondary chronic gout, left elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4290	Other secondary chronic gout, unspecified elbow, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4291	Other secondary chronic gout, unspecified elbow, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4310	Other secondary chronic gout, right wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4311	Other secondary chronic gout, right wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4320	Other secondary chronic gout, left wrist, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4321	Other secondary chronic gout, left wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4390	Other secondary chronic gout, unspecified wrist, without tophus (tophi)	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M1A4391	Other secondary chronic gout, unspecified wrist, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4410	Other secondary chronic gout, right hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4411	Other secondary chronic gout, right hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4420	Other secondary chronic gout, left hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4421	Other secondary chronic gout, left hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4490	Other secondary chronic gout, unspecified hand, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4491	Other secondary chronic gout, unspecified hand, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4510	Other secondary chronic gout, right hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4511	Other secondary chronic gout, right hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4520	Other secondary chronic gout, left hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4521	Other secondary chronic gout, left hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4590	Other secondary chronic gout, unspecified hip, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4591	Other secondary chronic gout, unspecified hip, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4610	Other secondary chronic gout, right knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4611	Other secondary chronic gout, right knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4620	Other secondary chronic gout, left knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4621	Other secondary chronic gout, left knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4690	Other secondary chronic gout, unspecified knee, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4691	Other secondary chronic gout, unspecified knee, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4710	Other secondary chronic gout, right ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4711	Other secondary chronic gout, right ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4720	Other secondary chronic gout, left ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4721	Other secondary chronic gout, left ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A4790	Other secondary chronic gout, unspecified ankle and foot, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A4791	Other secondary chronic gout, unspecified ankle and foot, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A48X0	Other secondary chronic gout, vertebrae, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A48X1	Other secondary chronic gout, vertebrae, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A49X0	Other secondary chronic gout, multiple sites, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A49X1	Other secondary chronic gout, multiple sites, with tophus (tophi)	Diagnosis	ICD-10-CM
M1A9XX0	Chronic gout, unspecified, without tophus (tophi)	Diagnosis	ICD-10-CM
M1A9XX1	Chronic gout, unspecified, with tophus (tophi)	Diagnosis	ICD-10-CM
<b>Impaired mobility</b>			
Z993	Dependence on wheelchair	Diagnosis	ICD-10-CM
E1050	Fully-reclining wheelchair, fixed full length arms, swing away detachable elevating leg rests	Procedure	HCPCS
E1060	Fully-reclining wheelchair, detachable arms, desk or full length, swing away detachable elevating legrests	Procedure	HCPCS
E1065	POWER ATTACHMENT (TO CONVERT ANY WHEELCHAIR TO MOTORIZED WHEELCHAIR, E.G., SOLO)	Procedure	HCPCS
E1066	BATTERY CHARGER	Procedure	HCPCS
E1069	DEEP CYCLE BATTERY	Procedure	HCPCS
E1070	Fully-reclining wheelchair, detachable arms (desk or full length) swing away detachable footrest	Procedure	HCPCS
E1083	Hemi-wheelchair, fixed full length arms, swing away detachable elevating leg rest	Procedure	HCPCS
E1084	Hemi-wheelchair, detachable arms desk or full length arms, swing away detachable elevating leg rests	Procedure	HCPCS
E1085	Hemi-wheelchair, fixed full length arms, swing away detachable foot rests	Procedure	HCPCS
E1086	Hemi-wheelchair detachable arms desk or full length, swing away detachable footrests	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1087	High strength lightweight wheelchair, fixed full length arms, swing away detachable elevating leg rests	Procedure	HCPCS
E1088	High strength lightweight wheelchair, detachable arms desk or full length, swing away detachable elevating leg rests	Procedure	HCPCS
E1089	High strength lightweight wheelchair, fixed length arms, swing away detachable footrest	Procedure	HCPCS
E1090	High strength lightweight wheelchair, detachable arms desk or full length, swing away detachable foot rests	Procedure	HCPCS
E1091	YOUTH WHEELCHAIR, ANY TYPE	Procedure	HCPCS
E1092	Wide heavy duty wheel chair, detachable arms (desk or full length), swing away detachable elevating leg rests	Procedure	HCPCS
E1093	Wide heavy duty wheelchair, detachable arms desk or full length arms, swing away detachable footrests	Procedure	HCPCS
E1100	Semi-reclining wheelchair, fixed full length arms, swing away detachable elevating leg rests	Procedure	HCPCS
E1110	Semi-reclining wheelchair, detachable arms (desk or full length) elevating leg rest	Procedure	HCPCS
E1130	Standard wheelchair, fixed full length arms, fixed or swing away detachable footrests	Procedure	HCPCS
E1140	Wheelchair, detachable arms, desk or full length, swing away detachable footrests	Procedure	HCPCS
E1150	Wheelchair, detachable arms, desk or full length swing away detachable elevating legrests	Procedure	HCPCS
E1160	Wheelchair, fixed full length arms, swing away detachable elevating legrests	Procedure	HCPCS
E1161	Manual adult size wheelchair, includes tilt in space	Procedure	HCPCS
E1170	Amputee wheelchair, fixed full length arms, swing away detachable elevating legrests	Procedure	HCPCS
E1171	Amputee wheelchair, fixed full length arms, without footrests or legrest	Procedure	HCPCS
E1172	Amputee wheelchair, detachable arms (desk or full length) without footrests or legrest	Procedure	HCPCS
E1180	Amputee wheelchair, detachable arms (desk or full length) swing away detachable footrests	Procedure	HCPCS
E1190	Amputee wheelchair, detachable arms (desk or full length) swing away detachable elevating	Procedure	HCPCS
E1195	Heavy duty wheelchair, fixed full length arms, swing away detachable elevating legrests	Procedure	HCPCS
E1200	Amputee wheelchair, fixed full length arms, swing away detachable footrest	Procedure	HCPCS
E1220	WHEELCHAIR; SPECIALLY SIZED OR CONSTRUCTED, (INDICATE BRAND NAME, MODEL NUMBER, IF ANY) AND JUSTIFICATION	Procedure	HCPCS
E1221	Wheelchair with fixed arm, footrests	Procedure	HCPCS
E1222	Wheelchair with fixed arm, elevating legrests	Procedure	HCPCS
E1223	Wheelchair with detachable arms, footrests	Procedure	HCPCS
E1224	Wheelchair with detachable arms, elevating legrests	Procedure	HCPCS
E1225	Wheelchair accessory, manual semi-reclining back, (recline greater than 15 degrees, but less than 80 degrees), each	Procedure	HCPCS
E1226	Wheelchair accessory, manual fully reclining back, (recline greater than 80 degrees), each	Procedure	HCPCS
E1227	Special height arms for wheelchair	Procedure	HCPCS
E1228	Special back height for wheelchair	Procedure	HCPCS
E1229	Wheelchair, pediatric size, not otherwise specified	Procedure	HCPCS
E1230	POWER OPERATED VEHICLE (THREE OR FOUR WHEEL NONHIGHWAY) SPECIFY BRAND NAME AND MODEL NUMBER	Procedure	HCPCS
E1231	Wheelchair, pediatric size, tilt-in-space, rigid, adjustable, with seating system	Procedure	HCPCS
E1232	Wheelchair, pediatric size, tilt-in-space, folding, adjustable, with seating system	Procedure	HCPCS
E1233	Wheelchair, pediatric size, tilt-in-space, rigid, adjustable, without seating system	Procedure	HCPCS
E1234	Wheelchair, pediatric size, tilt-in-space, folding, adjustable, without seating system	Procedure	HCPCS
E1235	Wheelchair, pediatric size, rigid, adjustable, with seating system	Procedure	HCPCS
E1236	Wheelchair, pediatric size, folding, adjustable, with seating system	Procedure	HCPCS
E1237	Wheelchair, pediatric size, rigid, adjustable, without seating system	Procedure	HCPCS
E1238	Wheelchair, pediatric size, folding, adjustable, without seating system	Procedure	HCPCS

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1239	Power wheelchair, pediatric size, not otherwise specified	Procedure	HCPCS
E1240	Lightweight wheelchair, detachable arms, (desk or full length) swing away detachable, elevating legrest	Procedure	HCPCS
E1250	Lightweight wheelchair, fixed full length arms, swing away detachable footrest	Procedure	HCPCS
E1260	Lightweight wheelchair, detachable arms (desk or full length) swing away detachable footrest	Procedure	HCPCS
E1270	Lightweight wheelchair, fixed full length arms, swing away detachable elevating legrests	Procedure	HCPCS
E1280	Heavy duty wheelchair, detachable arms (desk or full length) elevating legrests	Procedure	HCPCS
E1285	Heavy duty wheelchair, fixed full length arms, swing away detachable footrest	Procedure	HCPCS
E1290	Heavy duty wheelchair, detachable arms (desk or full length) swing away detachable footrest	Procedure	HCPCS
E1295	Heavy duty wheelchair, fixed full length arms, elevating legrest	Procedure	HCPCS
E1296	Special wheelchair seat height from floor	Procedure	HCPCS
E1297	Special wheelchair seat depth, by upholstery	Procedure	HCPCS
E1298	Special wheelchair seat depth and/or width, by construction	Procedure	HCPCS
<b>Musculoskeletal problems</b>			
A1801	Tuberculosis of spine	Diagnosis	ICD-10-CM
A5216	Charcot's arthropathy (tabetic)	Diagnosis	ICD-10-CM
E08610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E08618	Diabetes mellitus due to underlying condition with other diabetic arthropathy	Diagnosis	ICD-10-CM
E09610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E09618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E10618	Type 1 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E11610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E11618	Type 2 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E13610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E13618	Other specified diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
G450	Vertebro-basilar artery syndrome	Diagnosis	ICD-10-CM
G451	Carotid artery syndrome (hemispheric)	Diagnosis	ICD-10-CM
G452	Multiple and bilateral precerebral artery syndromes	Diagnosis	ICD-10-CM
G458	Other transient cerebral ischemic attacks and related syndromes	Diagnosis	ICD-10-CM
G459	Transient cerebral ischemic attack, unspecified	Diagnosis	ICD-10-CM
G460	Middle cerebral artery syndrome	Diagnosis	ICD-10-CM
G461	Anterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G462	Posterior cerebral artery syndrome	Diagnosis	ICD-10-CM
I67841	Reversible cerebrovascular vasoconstriction syndrome	Diagnosis	ICD-10-CM
I67848	Other cerebrovascular vasospasm and vasoconstriction	Diagnosis	ICD-10-CM
M0200	Arthropathy following intestinal bypass, unspecified site	Diagnosis	ICD-10-CM
M02011	Arthropathy following intestinal bypass, right shoulder	Diagnosis	ICD-10-CM
M02012	Arthropathy following intestinal bypass, left shoulder	Diagnosis	ICD-10-CM
M02019	Arthropathy following intestinal bypass, unspecified shoulder	Diagnosis	ICD-10-CM
M02021	Arthropathy following intestinal bypass, right elbow	Diagnosis	ICD-10-CM
M02022	Arthropathy following intestinal bypass, left elbow	Diagnosis	ICD-10-CM
M02029	Arthropathy following intestinal bypass, unspecified elbow	Diagnosis	ICD-10-CM
M02031	Arthropathy following intestinal bypass, right wrist	Diagnosis	ICD-10-CM
M02032	Arthropathy following intestinal bypass, left wrist	Diagnosis	ICD-10-CM
M02039	Arthropathy following intestinal bypass, unspecified wrist	Diagnosis	ICD-10-CM
M02041	Arthropathy following intestinal bypass, right hand	Diagnosis	ICD-10-CM
M02042	Arthropathy following intestinal bypass, left hand	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M02049	Arthropathy following intestinal bypass, unspecified hand	Diagnosis	ICD-10-CM
M02051	Arthropathy following intestinal bypass, right hip	Diagnosis	ICD-10-CM
M02052	Arthropathy following intestinal bypass, left hip	Diagnosis	ICD-10-CM
M02059	Arthropathy following intestinal bypass, unspecified hip	Diagnosis	ICD-10-CM
M02061	Arthropathy following intestinal bypass, right knee	Diagnosis	ICD-10-CM
M02062	Arthropathy following intestinal bypass, left knee	Diagnosis	ICD-10-CM
M02069	Arthropathy following intestinal bypass, unspecified knee	Diagnosis	ICD-10-CM
M02071	Arthropathy following intestinal bypass, right ankle and foot	Diagnosis	ICD-10-CM
M02072	Arthropathy following intestinal bypass, left ankle and foot	Diagnosis	ICD-10-CM
M02079	Arthropathy following intestinal bypass, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0208	Arthropathy following intestinal bypass, vertebrae	Diagnosis	ICD-10-CM
M0209	Arthropathy following intestinal bypass, multiple sites	Diagnosis	ICD-10-CM
M0220	Postimmunization arthropathy, unspecified site	Diagnosis	ICD-10-CM
M02211	Postimmunization arthropathy, right shoulder	Diagnosis	ICD-10-CM
M02212	Postimmunization arthropathy, left shoulder	Diagnosis	ICD-10-CM
M02219	Postimmunization arthropathy, unspecified shoulder	Diagnosis	ICD-10-CM
M02221	Postimmunization arthropathy, right elbow	Diagnosis	ICD-10-CM
M02222	Postimmunization arthropathy, left elbow	Diagnosis	ICD-10-CM
M02229	Postimmunization arthropathy, unspecified elbow	Diagnosis	ICD-10-CM
M02231	Postimmunization arthropathy, right wrist	Diagnosis	ICD-10-CM
M02232	Postimmunization arthropathy, left wrist	Diagnosis	ICD-10-CM
M02239	Postimmunization arthropathy, unspecified wrist	Diagnosis	ICD-10-CM
M02241	Postimmunization arthropathy, right hand	Diagnosis	ICD-10-CM
M02242	Postimmunization arthropathy, left hand	Diagnosis	ICD-10-CM
M02249	Postimmunization arthropathy, unspecified hand	Diagnosis	ICD-10-CM
M02251	Postimmunization arthropathy, right hip	Diagnosis	ICD-10-CM
M02252	Postimmunization arthropathy, left hip	Diagnosis	ICD-10-CM
M02259	Postimmunization arthropathy, unspecified hip	Diagnosis	ICD-10-CM
M02261	Postimmunization arthropathy, right knee	Diagnosis	ICD-10-CM
M02262	Postimmunization arthropathy, left knee	Diagnosis	ICD-10-CM
M02269	Postimmunization arthropathy, unspecified knee	Diagnosis	ICD-10-CM
M02271	Postimmunization arthropathy, right ankle and foot	Diagnosis	ICD-10-CM
M02272	Postimmunization arthropathy, left ankle and foot	Diagnosis	ICD-10-CM
M02279	Postimmunization arthropathy, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0228	Postimmunization arthropathy, vertebrae	Diagnosis	ICD-10-CM
M0229	Postimmunization arthropathy, multiple sites	Diagnosis	ICD-10-CM
M029	Reactive arthropathy, unspecified	Diagnosis	ICD-10-CM
M0760	Enteropathic arthropathies, unspecified site	Diagnosis	ICD-10-CM
M07611	Enteropathic arthropathies, right shoulder	Diagnosis	ICD-10-CM
M07612	Enteropathic arthropathies, left shoulder	Diagnosis	ICD-10-CM
M07619	Enteropathic arthropathies, unspecified shoulder	Diagnosis	ICD-10-CM
M07621	Enteropathic arthropathies, right elbow	Diagnosis	ICD-10-CM
M07622	Enteropathic arthropathies, left elbow	Diagnosis	ICD-10-CM
M07629	Enteropathic arthropathies, unspecified elbow	Diagnosis	ICD-10-CM
M07631	Enteropathic arthropathies, right wrist	Diagnosis	ICD-10-CM
M07632	Enteropathic arthropathies, left wrist	Diagnosis	ICD-10-CM
M07639	Enteropathic arthropathies, unspecified wrist	Diagnosis	ICD-10-CM
M07641	Enteropathic arthropathies, right hand	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M07642	Enteropathic arthropathies, left hand	Diagnosis	ICD-10-CM
M07649	Enteropathic arthropathies, unspecified hand	Diagnosis	ICD-10-CM
M07651	Enteropathic arthropathies, right hip	Diagnosis	ICD-10-CM
M07652	Enteropathic arthropathies, left hip	Diagnosis	ICD-10-CM
M07659	Enteropathic arthropathies, unspecified hip	Diagnosis	ICD-10-CM
M07661	Enteropathic arthropathies, right knee	Diagnosis	ICD-10-CM
M07662	Enteropathic arthropathies, left knee	Diagnosis	ICD-10-CM
M07669	Enteropathic arthropathies, unspecified knee	Diagnosis	ICD-10-CM
M07671	Enteropathic arthropathies, right ankle and foot	Diagnosis	ICD-10-CM
M07672	Enteropathic arthropathies, left ankle and foot	Diagnosis	ICD-10-CM
M07679	Enteropathic arthropathies, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0768	Enteropathic arthropathies, vertebrae	Diagnosis	ICD-10-CM
M0769	Enteropathic arthropathies, multiple sites	Diagnosis	ICD-10-CM
M1210	Kaschin-Beck disease, unspecified site	Diagnosis	ICD-10-CM
M12111	Kaschin-Beck disease, right shoulder	Diagnosis	ICD-10-CM
M12112	Kaschin-Beck disease, left shoulder	Diagnosis	ICD-10-CM
M12119	Kaschin-Beck disease, unspecified shoulder	Diagnosis	ICD-10-CM
M12121	Kaschin-Beck disease, right elbow	Diagnosis	ICD-10-CM
M12122	Kaschin-Beck disease, left elbow	Diagnosis	ICD-10-CM
M12129	Kaschin-Beck disease, unspecified elbow	Diagnosis	ICD-10-CM
M12131	Kaschin-Beck disease, right wrist	Diagnosis	ICD-10-CM
M12132	Kaschin-Beck disease, left wrist	Diagnosis	ICD-10-CM
M12139	Kaschin-Beck disease, unspecified wrist	Diagnosis	ICD-10-CM
M12141	Kaschin-Beck disease, right hand	Diagnosis	ICD-10-CM
M12142	Kaschin-Beck disease, left hand	Diagnosis	ICD-10-CM
M12149	Kaschin-Beck disease, unspecified hand	Diagnosis	ICD-10-CM
M12151	Kaschin-Beck disease, right hip	Diagnosis	ICD-10-CM
M12152	Kaschin-Beck disease, left hip	Diagnosis	ICD-10-CM
M12159	Kaschin-Beck disease, unspecified hip	Diagnosis	ICD-10-CM
M12161	Kaschin-Beck disease, right knee	Diagnosis	ICD-10-CM
M12162	Kaschin-Beck disease, left knee	Diagnosis	ICD-10-CM
M12169	Kaschin-Beck disease, unspecified knee	Diagnosis	ICD-10-CM
M12171	Kaschin-Beck disease, right ankle and foot	Diagnosis	ICD-10-CM
M12172	Kaschin-Beck disease, left ankle and foot	Diagnosis	ICD-10-CM
M12179	Kaschin-Beck disease, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1218	Kaschin-Beck disease, vertebrae	Diagnosis	ICD-10-CM
M1219	Kaschin-Beck disease, multiple sites	Diagnosis	ICD-10-CM
M1220	Villonodular synovitis (pigmented), unspecified site	Diagnosis	ICD-10-CM
M12211	Villonodular synovitis (pigmented), right shoulder	Diagnosis	ICD-10-CM
M12212	Villonodular synovitis (pigmented), left shoulder	Diagnosis	ICD-10-CM
M12219	Villonodular synovitis (pigmented), unspecified shoulder	Diagnosis	ICD-10-CM
M12221	Villonodular synovitis (pigmented), right elbow	Diagnosis	ICD-10-CM
M12222	Villonodular synovitis (pigmented), left elbow	Diagnosis	ICD-10-CM
M12229	Villonodular synovitis (pigmented), unspecified elbow	Diagnosis	ICD-10-CM
M12231	Villonodular synovitis (pigmented), right wrist	Diagnosis	ICD-10-CM
M12232	Villonodular synovitis (pigmented), left wrist	Diagnosis	ICD-10-CM
M12239	Villonodular synovitis (pigmented), unspecified wrist	Diagnosis	ICD-10-CM
M12241	Villonodular synovitis (pigmented), right hand	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M12242	Villonodular synovitis (pigmented), left hand	Diagnosis	ICD-10-CM
M12249	Villonodular synovitis (pigmented), unspecified hand	Diagnosis	ICD-10-CM
M12251	Villonodular synovitis (pigmented), right hip	Diagnosis	ICD-10-CM
M12252	Villonodular synovitis (pigmented), left hip	Diagnosis	ICD-10-CM
M12259	Villonodular synovitis (pigmented), unspecified hip	Diagnosis	ICD-10-CM
M12261	Villonodular synovitis (pigmented), right knee	Diagnosis	ICD-10-CM
M12262	Villonodular synovitis (pigmented), left knee	Diagnosis	ICD-10-CM
M12269	Villonodular synovitis (pigmented), unspecified knee	Diagnosis	ICD-10-CM
M12271	Villonodular synovitis (pigmented), right ankle and foot	Diagnosis	ICD-10-CM
M12272	Villonodular synovitis (pigmented), left ankle and foot	Diagnosis	ICD-10-CM
M12279	Villonodular synovitis (pigmented), unspecified ankle and foot	Diagnosis	ICD-10-CM
M1228	Villonodular synovitis (pigmented), other specified site	Diagnosis	ICD-10-CM
M1229	Villonodular synovitis (pigmented), multiple sites	Diagnosis	ICD-10-CM
M1230	Palindromic rheumatism, unspecified site	Diagnosis	ICD-10-CM
M12311	Palindromic rheumatism, right shoulder	Diagnosis	ICD-10-CM
M12312	Palindromic rheumatism, left shoulder	Diagnosis	ICD-10-CM
M12319	Palindromic rheumatism, unspecified shoulder	Diagnosis	ICD-10-CM
M12321	Palindromic rheumatism, right elbow	Diagnosis	ICD-10-CM
M12322	Palindromic rheumatism, left elbow	Diagnosis	ICD-10-CM
M12329	Palindromic rheumatism, unspecified elbow	Diagnosis	ICD-10-CM
M12331	Palindromic rheumatism, right wrist	Diagnosis	ICD-10-CM
M12332	Palindromic rheumatism, left wrist	Diagnosis	ICD-10-CM
M12339	Palindromic rheumatism, unspecified wrist	Diagnosis	ICD-10-CM
M12341	Palindromic rheumatism, right hand	Diagnosis	ICD-10-CM
M12342	Palindromic rheumatism, left hand	Diagnosis	ICD-10-CM
M12349	Palindromic rheumatism, unspecified hand	Diagnosis	ICD-10-CM
M12351	Palindromic rheumatism, right hip	Diagnosis	ICD-10-CM
M12352	Palindromic rheumatism, left hip	Diagnosis	ICD-10-CM
M12359	Palindromic rheumatism, unspecified hip	Diagnosis	ICD-10-CM
M12361	Palindromic rheumatism, right knee	Diagnosis	ICD-10-CM
M12362	Palindromic rheumatism, left knee	Diagnosis	ICD-10-CM
M12369	Palindromic rheumatism, unspecified knee	Diagnosis	ICD-10-CM
M12371	Palindromic rheumatism, right ankle and foot	Diagnosis	ICD-10-CM
M12372	Palindromic rheumatism, left ankle and foot	Diagnosis	ICD-10-CM
M12379	Palindromic rheumatism, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1238	Palindromic rheumatism, other specified site	Diagnosis	ICD-10-CM
M1239	Palindromic rheumatism, multiple sites	Diagnosis	ICD-10-CM
M1240	Intermittent hydrarthrosis, unspecified site	Diagnosis	ICD-10-CM
M12411	Intermittent hydrarthrosis, right shoulder	Diagnosis	ICD-10-CM
M12412	Intermittent hydrarthrosis, left shoulder	Diagnosis	ICD-10-CM
M12419	Intermittent hydrarthrosis, unspecified shoulder	Diagnosis	ICD-10-CM
M12421	Intermittent hydrarthrosis, right elbow	Diagnosis	ICD-10-CM
M12422	Intermittent hydrarthrosis, left elbow	Diagnosis	ICD-10-CM
M12429	Intermittent hydrarthrosis, unspecified elbow	Diagnosis	ICD-10-CM
M12431	Intermittent hydrarthrosis, right wrist	Diagnosis	ICD-10-CM
M12432	Intermittent hydrarthrosis, left wrist	Diagnosis	ICD-10-CM
M12439	Intermittent hydrarthrosis, unspecified wrist	Diagnosis	ICD-10-CM
M12441	Intermittent hydrarthrosis, right hand	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M12442	Intermittent hydrarthrosis, left hand	Diagnosis	ICD-10-CM
M12449	Intermittent hydrarthrosis, unspecified hand	Diagnosis	ICD-10-CM
M12451	Intermittent hydrarthrosis, right hip	Diagnosis	ICD-10-CM
M12452	Intermittent hydrarthrosis, left hip	Diagnosis	ICD-10-CM
M12459	Intermittent hydrarthrosis, unspecified hip	Diagnosis	ICD-10-CM
M12461	Intermittent hydrarthrosis, right knee	Diagnosis	ICD-10-CM
M12462	Intermittent hydrarthrosis, left knee	Diagnosis	ICD-10-CM
M12469	Intermittent hydrarthrosis, unspecified knee	Diagnosis	ICD-10-CM
M12471	Intermittent hydrarthrosis, right ankle and foot	Diagnosis	ICD-10-CM
M12472	Intermittent hydrarthrosis, left ankle and foot	Diagnosis	ICD-10-CM
M12479	Intermittent hydrarthrosis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1248	Intermittent hydrarthrosis, other site	Diagnosis	ICD-10-CM
M1249	Intermittent hydrarthrosis, multiple sites	Diagnosis	ICD-10-CM
M1280	Other specific arthropathies, not elsewhere classified, unspecified site	Diagnosis	ICD-10-CM
M12811	Other specific arthropathies, not elsewhere classified, right shoulder	Diagnosis	ICD-10-CM
M12812	Other specific arthropathies, not elsewhere classified, left shoulder	Diagnosis	ICD-10-CM
M12819	Other specific arthropathies, not elsewhere classified, unspecified shoulder	Diagnosis	ICD-10-CM
M12821	Other specific arthropathies, not elsewhere classified, right elbow	Diagnosis	ICD-10-CM
M12822	Other specific arthropathies, not elsewhere classified, left elbow	Diagnosis	ICD-10-CM
M12829	Other specific arthropathies, not elsewhere classified, unspecified elbow	Diagnosis	ICD-10-CM
M12831	Other specific arthropathies, not elsewhere classified, right wrist	Diagnosis	ICD-10-CM
M12832	Other specific arthropathies, not elsewhere classified, left wrist	Diagnosis	ICD-10-CM
M12839	Other specific arthropathies, not elsewhere classified, unspecified wrist	Diagnosis	ICD-10-CM
M12841	Other specific arthropathies, not elsewhere classified, right hand	Diagnosis	ICD-10-CM
M12842	Other specific arthropathies, not elsewhere classified, left hand	Diagnosis	ICD-10-CM
M12849	Other specific arthropathies, not elsewhere classified, unspecified hand	Diagnosis	ICD-10-CM
M12851	Other specific arthropathies, not elsewhere classified, right hip	Diagnosis	ICD-10-CM
M12852	Other specific arthropathies, not elsewhere classified, left hip	Diagnosis	ICD-10-CM
M12859	Other specific arthropathies, not elsewhere classified, unspecified hip	Diagnosis	ICD-10-CM
M12861	Other specific arthropathies, not elsewhere classified, right knee	Diagnosis	ICD-10-CM
M12862	Other specific arthropathies, not elsewhere classified, left knee	Diagnosis	ICD-10-CM
M12869	Other specific arthropathies, not elsewhere classified, unspecified knee	Diagnosis	ICD-10-CM
M12871	Other specific arthropathies, not elsewhere classified, right ankle and foot	Diagnosis	ICD-10-CM
M12872	Other specific arthropathies, not elsewhere classified, left ankle and foot	Diagnosis	ICD-10-CM
M12879	Other specific arthropathies, not elsewhere classified, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1288	Other specific arthropathies, not elsewhere classified, other specified site	Diagnosis	ICD-10-CM
M1289	Other specific arthropathies, not elsewhere classified, multiple sites	Diagnosis	ICD-10-CM
M129	Arthropathy, unspecified	Diagnosis	ICD-10-CM
M130	Polyarthritis, unspecified	Diagnosis	ICD-10-CM
M1310	Monoarthritis, not elsewhere classified, unspecified site	Diagnosis	ICD-10-CM
M13111	Monoarthritis, not elsewhere classified, right shoulder	Diagnosis	ICD-10-CM
M13112	Monoarthritis, not elsewhere classified, left shoulder	Diagnosis	ICD-10-CM
M13119	Monoarthritis, not elsewhere classified, unspecified shoulder	Diagnosis	ICD-10-CM
M13121	Monoarthritis, not elsewhere classified, right elbow	Diagnosis	ICD-10-CM
M13122	Monoarthritis, not elsewhere classified, left elbow	Diagnosis	ICD-10-CM
M13129	Monoarthritis, not elsewhere classified, unspecified elbow	Diagnosis	ICD-10-CM
M13131	Monoarthritis, not elsewhere classified, right wrist	Diagnosis	ICD-10-CM
M13132	Monoarthritis, not elsewhere classified, left wrist	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M13139	Monoarthritis, not elsewhere classified, unspecified wrist	Diagnosis	ICD-10-CM
M13141	Monoarthritis, not elsewhere classified, right hand	Diagnosis	ICD-10-CM
M13142	Monoarthritis, not elsewhere classified, left hand	Diagnosis	ICD-10-CM
M13149	Monoarthritis, not elsewhere classified, unspecified hand	Diagnosis	ICD-10-CM
M13151	Monoarthritis, not elsewhere classified, right hip	Diagnosis	ICD-10-CM
M13152	Monoarthritis, not elsewhere classified, left hip	Diagnosis	ICD-10-CM
M13159	Monoarthritis, not elsewhere classified, unspecified hip	Diagnosis	ICD-10-CM
M13161	Monoarthritis, not elsewhere classified, right knee	Diagnosis	ICD-10-CM
M13162	Monoarthritis, not elsewhere classified, left knee	Diagnosis	ICD-10-CM
M13169	Monoarthritis, not elsewhere classified, unspecified knee	Diagnosis	ICD-10-CM
M13171	Monoarthritis, not elsewhere classified, right ankle and foot	Diagnosis	ICD-10-CM
M13172	Monoarthritis, not elsewhere classified, left ankle and foot	Diagnosis	ICD-10-CM
M13179	Monoarthritis, not elsewhere classified, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1380	Other specified arthritis, unspecified site	Diagnosis	ICD-10-CM
M13811	Other specified arthritis, right shoulder	Diagnosis	ICD-10-CM
M13812	Other specified arthritis, left shoulder	Diagnosis	ICD-10-CM
M13819	Other specified arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M13821	Other specified arthritis, right elbow	Diagnosis	ICD-10-CM
M13822	Other specified arthritis, left elbow	Diagnosis	ICD-10-CM
M13829	Other specified arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M13831	Other specified arthritis, right wrist	Diagnosis	ICD-10-CM
M13832	Other specified arthritis, left wrist	Diagnosis	ICD-10-CM
M13839	Other specified arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M13841	Other specified arthritis, right hand	Diagnosis	ICD-10-CM
M13842	Other specified arthritis, left hand	Diagnosis	ICD-10-CM
M13849	Other specified arthritis, unspecified hand	Diagnosis	ICD-10-CM
M13851	Other specified arthritis, right hip	Diagnosis	ICD-10-CM
M13852	Other specified arthritis, left hip	Diagnosis	ICD-10-CM
M13859	Other specified arthritis, unspecified hip	Diagnosis	ICD-10-CM
M13861	Other specified arthritis, right knee	Diagnosis	ICD-10-CM
M13862	Other specified arthritis, left knee	Diagnosis	ICD-10-CM
M13869	Other specified arthritis, unspecified knee	Diagnosis	ICD-10-CM
M13871	Other specified arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M13872	Other specified arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M13879	Other specified arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1388	Other specified arthritis, other site	Diagnosis	ICD-10-CM
M1389	Other specified arthritis, multiple sites	Diagnosis	ICD-10-CM
M1460	Charcot's joint, unspecified site	Diagnosis	ICD-10-CM
M14611	Charcot's joint, right shoulder	Diagnosis	ICD-10-CM
M14612	Charcot's joint, left shoulder	Diagnosis	ICD-10-CM
M14619	Charcot's joint, unspecified shoulder	Diagnosis	ICD-10-CM
M14621	Charcot's joint, right elbow	Diagnosis	ICD-10-CM
M14622	Charcot's joint, left elbow	Diagnosis	ICD-10-CM
M14629	Charcot's joint, unspecified elbow	Diagnosis	ICD-10-CM
M14631	Charcot's joint, right wrist	Diagnosis	ICD-10-CM
M14632	Charcot's joint, left wrist	Diagnosis	ICD-10-CM
M14639	Charcot's joint, unspecified wrist	Diagnosis	ICD-10-CM
M14641	Charcot's joint, right hand	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M14642	Charcot's joint, left hand	Diagnosis	ICD-10-CM
M14649	Charcot's joint, unspecified hand	Diagnosis	ICD-10-CM
M14651	Charcot's joint, right hip	Diagnosis	ICD-10-CM
M14652	Charcot's joint, left hip	Diagnosis	ICD-10-CM
M14659	Charcot's joint, unspecified hip	Diagnosis	ICD-10-CM
M14661	Charcot's joint, right knee	Diagnosis	ICD-10-CM
M14662	Charcot's joint, left knee	Diagnosis	ICD-10-CM
M14669	Charcot's joint, unspecified knee	Diagnosis	ICD-10-CM
M14671	Charcot's joint, right ankle and foot	Diagnosis	ICD-10-CM
M14672	Charcot's joint, left ankle and foot	Diagnosis	ICD-10-CM
M14679	Charcot's joint, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1468	Charcot's joint, vertebrae	Diagnosis	ICD-10-CM
M1469	Charcot's joint, multiple sites	Diagnosis	ICD-10-CM
M1480	Arthropathies in other specified diseases classified elsewhere, unspecified site	Diagnosis	ICD-10-CM
M14811	Arthropathies in other specified diseases classified elsewhere, right shoulder	Diagnosis	ICD-10-CM
M14812	Arthropathies in other specified diseases classified elsewhere, left shoulder	Diagnosis	ICD-10-CM
M14819	Arthropathies in other specified diseases classified elsewhere, unspecified shoulder	Diagnosis	ICD-10-CM
M14821	Arthropathies in other specified diseases classified elsewhere, right elbow	Diagnosis	ICD-10-CM
M14822	Arthropathies in other specified diseases classified elsewhere, left elbow	Diagnosis	ICD-10-CM
M14829	Arthropathies in other specified diseases classified elsewhere, unspecified elbow	Diagnosis	ICD-10-CM
M14831	Arthropathies in other specified diseases classified elsewhere, right wrist	Diagnosis	ICD-10-CM
M14832	Arthropathies in other specified diseases classified elsewhere, left wrist	Diagnosis	ICD-10-CM
M14839	Arthropathies in other specified diseases classified elsewhere, unspecified wrist	Diagnosis	ICD-10-CM
M14841	Arthropathies in other specified diseases classified elsewhere, right hand	Diagnosis	ICD-10-CM
M14842	Arthropathies in other specified diseases classified elsewhere, left hand	Diagnosis	ICD-10-CM
M14849	Arthropathies in other specified diseases classified elsewhere, unspecified hand	Diagnosis	ICD-10-CM
M14851	Arthropathies in other specified diseases classified elsewhere, right hip	Diagnosis	ICD-10-CM
M14852	Arthropathies in other specified diseases classified elsewhere, left hip	Diagnosis	ICD-10-CM
M14859	Arthropathies in other specified diseases classified elsewhere, unspecified hip	Diagnosis	ICD-10-CM
M14861	Arthropathies in other specified diseases classified elsewhere, right knee	Diagnosis	ICD-10-CM
M14862	Arthropathies in other specified diseases classified elsewhere, left knee	Diagnosis	ICD-10-CM
M14869	Arthropathies in other specified diseases classified elsewhere, unspecified knee	Diagnosis	ICD-10-CM
M14871	Arthropathies in other specified diseases classified elsewhere, right ankle and foot	Diagnosis	ICD-10-CM
M14872	Arthropathies in other specified diseases classified elsewhere, left ankle and foot	Diagnosis	ICD-10-CM
M14879	Arthropathies in other specified diseases classified elsewhere, unspecified ankle and foot	Diagnosis	ICD-10-CM
M1488	Arthropathies in other specified diseases classified elsewhere, vertebrae	Diagnosis	ICD-10-CM
M1489	Arthropathies in other specified diseases classified elsewhere, multiple sites	Diagnosis	ICD-10-CM
M2350	Chronic instability of knee, unspecified knee	Diagnosis	ICD-10-CM
M2351	Chronic instability of knee, right knee	Diagnosis	ICD-10-CM
M2352	Chronic instability of knee, left knee	Diagnosis	ICD-10-CM
M238X9	Other internal derangements of unspecified knee	Diagnosis	ICD-10-CM
M2400	Loose body in unspecified joint	Diagnosis	ICD-10-CM
M24011	Loose body in right shoulder	Diagnosis	ICD-10-CM
M24012	Loose body in left shoulder	Diagnosis	ICD-10-CM
M24019	Loose body in unspecified shoulder	Diagnosis	ICD-10-CM
M24021	Loose body in right elbow	Diagnosis	ICD-10-CM
M24022	Loose body in left elbow	Diagnosis	ICD-10-CM
M24029	Loose body in unspecified elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M24031	Loose body in right wrist	Diagnosis	ICD-10-CM
M24032	Loose body in left wrist	Diagnosis	ICD-10-CM
M24039	Loose body in unspecified wrist	Diagnosis	ICD-10-CM
M24041	Loose body in right finger joint(s)	Diagnosis	ICD-10-CM
M24042	Loose body in left finger joint(s)	Diagnosis	ICD-10-CM
M24049	Loose body in unspecified finger joint(s)	Diagnosis	ICD-10-CM
M24051	Loose body in right hip	Diagnosis	ICD-10-CM
M24052	Loose body in left hip	Diagnosis	ICD-10-CM
M24059	Loose body in unspecified hip	Diagnosis	ICD-10-CM
M24071	Loose body in right ankle	Diagnosis	ICD-10-CM
M24072	Loose body in left ankle	Diagnosis	ICD-10-CM
M24073	Loose body in unspecified ankle	Diagnosis	ICD-10-CM
M24074	Loose body in right toe joint(s)	Diagnosis	ICD-10-CM
M24075	Loose body in left toe joint(s)	Diagnosis	ICD-10-CM
M24076	Loose body in unspecified toe joints	Diagnosis	ICD-10-CM
M2408	Loose body, other site	Diagnosis	ICD-10-CM
M2430	Pathological dislocation of unspecified joint, not elsewhere classified	Diagnosis	ICD-10-CM
M24311	Pathological dislocation of right shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24312	Pathological dislocation of left shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24319	Pathological dislocation of unspecified shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24321	Pathological dislocation of right elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24322	Pathological dislocation of left elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24329	Pathological dislocation of unspecified elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24331	Pathological dislocation of right wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24332	Pathological dislocation of left wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24339	Pathological dislocation of unspecified wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24341	Pathological dislocation of right hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24342	Pathological dislocation of left hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24349	Pathological dislocation of unspecified hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24351	Pathological dislocation of right hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24352	Pathological dislocation of left hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24359	Pathological dislocation of unspecified hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24361	Pathological dislocation of right knee, not elsewhere classified	Diagnosis	ICD-10-CM
M24362	Pathological dislocation of left knee, not elsewhere classified	Diagnosis	ICD-10-CM
M24369	Pathological dislocation of unspecified knee, not elsewhere classified	Diagnosis	ICD-10-CM
M24371	Pathological dislocation of right ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24372	Pathological dislocation of left ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24373	Pathological dislocation of unspecified ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24374	Pathological dislocation of right foot, not elsewhere classified	Diagnosis	ICD-10-CM
M24375	Pathological dislocation of left foot, not elsewhere classified	Diagnosis	ICD-10-CM
M24376	Pathological dislocation of unspecified foot, not elsewhere classified	Diagnosis	ICD-10-CM
M2460	Ankylosis, unspecified joint	Diagnosis	ICD-10-CM
M24611	Ankylosis, right shoulder	Diagnosis	ICD-10-CM
M24612	Ankylosis, left shoulder	Diagnosis	ICD-10-CM
M24619	Ankylosis, unspecified shoulder	Diagnosis	ICD-10-CM
M24621	Ankylosis, right elbow	Diagnosis	ICD-10-CM
M24622	Ankylosis, left elbow	Diagnosis	ICD-10-CM
M24629	Ankylosis, unspecified elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M24631	Ankylosis, right wrist	Diagnosis	ICD-10-CM
M24632	Ankylosis, left wrist	Diagnosis	ICD-10-CM
M24639	Ankylosis, unspecified wrist	Diagnosis	ICD-10-CM
M24641	Ankylosis, right hand	Diagnosis	ICD-10-CM
M24642	Ankylosis, left hand	Diagnosis	ICD-10-CM
M24649	Ankylosis, unspecified hand	Diagnosis	ICD-10-CM
M24651	Ankylosis, right hip	Diagnosis	ICD-10-CM
M24652	Ankylosis, left hip	Diagnosis	ICD-10-CM
M24659	Ankylosis, unspecified hip	Diagnosis	ICD-10-CM
M24661	Ankylosis, right knee	Diagnosis	ICD-10-CM
M24662	Ankylosis, left knee	Diagnosis	ICD-10-CM
M24669	Ankylosis, unspecified knee	Diagnosis	ICD-10-CM
M24671	Ankylosis, right ankle	Diagnosis	ICD-10-CM
M24672	Ankylosis, left ankle	Diagnosis	ICD-10-CM
M24673	Ankylosis, unspecified ankle	Diagnosis	ICD-10-CM
M24674	Ankylosis, right foot	Diagnosis	ICD-10-CM
M24675	Ankylosis, left foot	Diagnosis	ICD-10-CM
M24676	Ankylosis, unspecified foot	Diagnosis	ICD-10-CM
M247	Protrusio acetabuli	Diagnosis	ICD-10-CM
M2480	Other specific joint derangements of unspecified joint, not elsewhere classified	Diagnosis	ICD-10-CM
M24811	Other specific joint derangements of right shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24812	Other specific joint derangements of left shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24819	Other specific joint derangements of unspecified shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M24821	Other specific joint derangements of right elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24822	Other specific joint derangements of left elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24829	Other specific joint derangements of unspecified elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M24831	Other specific joint derangements of right wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24832	Other specific joint derangements of left wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24839	Other specific joint derangements of unspecified wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M24841	Other specific joint derangements of right hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24842	Other specific joint derangements of left hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24849	Other specific joint derangements of unspecified hand, not elsewhere classified	Diagnosis	ICD-10-CM
M24851	Other specific joint derangements of right hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24852	Other specific joint derangements of left hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24859	Other specific joint derangements of unspecified hip, not elsewhere classified	Diagnosis	ICD-10-CM
M24871	Other specific joint derangements of right ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24872	Other specific joint derangements of left ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24873	Other specific joint derangements of unspecified ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M24874	Other specific joint derangements of right foot, not elsewhere classified	Diagnosis	ICD-10-CM
M24875	Other specific joint derangements left foot, not elsewhere classified	Diagnosis	ICD-10-CM
M24876	Other specific joint derangements of unspecified foot, not elsewhere classified	Diagnosis	ICD-10-CM
M249	Joint derangement, unspecified	Diagnosis	ICD-10-CM
M2500	Hemarthrosis, unspecified joint	Diagnosis	ICD-10-CM
M25011	Hemarthrosis, right shoulder	Diagnosis	ICD-10-CM
M25012	Hemarthrosis, left shoulder	Diagnosis	ICD-10-CM
M25019	Hemarthrosis, unspecified shoulder	Diagnosis	ICD-10-CM
M25021	Hemarthrosis, right elbow	Diagnosis	ICD-10-CM
M25022	Hemarthrosis, left elbow	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M25029	Hemarthrosis, unspecified elbow	Diagnosis	ICD-10-CM
M25031	Hemarthrosis, right wrist	Diagnosis	ICD-10-CM
M25032	Hemarthrosis, left wrist	Diagnosis	ICD-10-CM
M25039	Hemarthrosis, unspecified wrist	Diagnosis	ICD-10-CM
M25041	Hemarthrosis, right hand	Diagnosis	ICD-10-CM
M25042	Hemarthrosis, left hand	Diagnosis	ICD-10-CM
M25049	Hemarthrosis, unspecified hand	Diagnosis	ICD-10-CM
M25051	Hemarthrosis, right hip	Diagnosis	ICD-10-CM
M25052	Hemarthrosis, left hip	Diagnosis	ICD-10-CM
M25059	Hemarthrosis, unspecified hip	Diagnosis	ICD-10-CM
M25061	Hemarthrosis, right knee	Diagnosis	ICD-10-CM
M25062	Hemarthrosis, left knee	Diagnosis	ICD-10-CM
M25069	Hemarthrosis, unspecified knee	Diagnosis	ICD-10-CM
M25071	Hemarthrosis, right ankle	Diagnosis	ICD-10-CM
M25072	Hemarthrosis, left ankle	Diagnosis	ICD-10-CM
M25073	Hemarthrosis, unspecified ankle	Diagnosis	ICD-10-CM
M25074	Hemarthrosis, right foot	Diagnosis	ICD-10-CM
M25075	Hemarthrosis, left foot	Diagnosis	ICD-10-CM
M25076	Hemarthrosis, unspecified foot	Diagnosis	ICD-10-CM
M2508	Hemarthrosis, other specified site	Diagnosis	ICD-10-CM
M2510	Fistula, unspecified joint	Diagnosis	ICD-10-CM
M25111	Fistula, right shoulder	Diagnosis	ICD-10-CM
M25112	Fistula, left shoulder	Diagnosis	ICD-10-CM
M25119	Fistula, unspecified shoulder	Diagnosis	ICD-10-CM
M25121	Fistula, right elbow	Diagnosis	ICD-10-CM
M25122	Fistula, left elbow	Diagnosis	ICD-10-CM
M25129	Fistula, unspecified elbow	Diagnosis	ICD-10-CM
M25131	Fistula, right wrist	Diagnosis	ICD-10-CM
M25132	Fistula, left wrist	Diagnosis	ICD-10-CM
M25139	Fistula, unspecified wrist	Diagnosis	ICD-10-CM
M25141	Fistula, right hand	Diagnosis	ICD-10-CM
M25142	Fistula, left hand	Diagnosis	ICD-10-CM
M25149	Fistula, unspecified hand	Diagnosis	ICD-10-CM
M25151	Fistula, right hip	Diagnosis	ICD-10-CM
M25152	Fistula, left hip	Diagnosis	ICD-10-CM
M25159	Fistula, unspecified hip	Diagnosis	ICD-10-CM
M25161	Fistula, right knee	Diagnosis	ICD-10-CM
M25162	Fistula, left knee	Diagnosis	ICD-10-CM
M25169	Fistula, unspecified knee	Diagnosis	ICD-10-CM
M25171	Fistula, right ankle	Diagnosis	ICD-10-CM
M25172	Fistula, left ankle	Diagnosis	ICD-10-CM
M25173	Fistula, unspecified ankle	Diagnosis	ICD-10-CM
M25174	Fistula, right foot	Diagnosis	ICD-10-CM
M25175	Fistula, left foot	Diagnosis	ICD-10-CM
M25176	Fistula, unspecified foot	Diagnosis	ICD-10-CM
M2518	Fistula, other specified site	Diagnosis	ICD-10-CM
M2520	Flail joint, unspecified joint	Diagnosis	ICD-10-CM
M25211	Flail joint, right shoulder	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M25212	Flail joint, left shoulder	Diagnosis	ICD-10-CM
M25219	Flail joint, unspecified shoulder	Diagnosis	ICD-10-CM
M25221	Flail joint, right elbow	Diagnosis	ICD-10-CM
M25222	Flail joint, left elbow	Diagnosis	ICD-10-CM
M25229	Flail joint, unspecified elbow	Diagnosis	ICD-10-CM
M25231	Flail joint, right wrist	Diagnosis	ICD-10-CM
M25232	Flail joint, left wrist	Diagnosis	ICD-10-CM
M25239	Flail joint, unspecified wrist	Diagnosis	ICD-10-CM
M25241	Flail joint, right hand	Diagnosis	ICD-10-CM
M25242	Flail joint, left hand	Diagnosis	ICD-10-CM
M25249	Flail joint, unspecified hand	Diagnosis	ICD-10-CM
M25251	Flail joint, right hip	Diagnosis	ICD-10-CM
M25252	Flail joint, left hip	Diagnosis	ICD-10-CM
M25259	Flail joint, unspecified hip	Diagnosis	ICD-10-CM
M25261	Flail joint, right knee	Diagnosis	ICD-10-CM
M25262	Flail joint, left knee	Diagnosis	ICD-10-CM
M25269	Flail joint, unspecified knee	Diagnosis	ICD-10-CM
M25271	Flail joint, right ankle and foot	Diagnosis	ICD-10-CM
M25272	Flail joint, left ankle and foot	Diagnosis	ICD-10-CM
M25279	Flail joint, unspecified ankle and foot	Diagnosis	ICD-10-CM
M2528	Flail joint, other site	Diagnosis	ICD-10-CM
M2530	Other instability, unspecified joint	Diagnosis	ICD-10-CM
M25311	Other instability, right shoulder	Diagnosis	ICD-10-CM
M25312	Other instability, left shoulder	Diagnosis	ICD-10-CM
M25319	Other instability, unspecified shoulder	Diagnosis	ICD-10-CM
M25321	Other instability, right elbow	Diagnosis	ICD-10-CM
M25322	Other instability, left elbow	Diagnosis	ICD-10-CM
M25329	Other instability, unspecified elbow	Diagnosis	ICD-10-CM
M25331	Other instability, right wrist	Diagnosis	ICD-10-CM
M25332	Other instability, left wrist	Diagnosis	ICD-10-CM
M25339	Other instability, unspecified wrist	Diagnosis	ICD-10-CM
M25341	Other instability, right hand	Diagnosis	ICD-10-CM
M25342	Other instability, left hand	Diagnosis	ICD-10-CM
M25349	Other instability, unspecified hand	Diagnosis	ICD-10-CM
M25351	Other instability, right hip	Diagnosis	ICD-10-CM
M25352	Other instability, left hip	Diagnosis	ICD-10-CM
M25359	Other instability, unspecified hip	Diagnosis	ICD-10-CM
M25361	Other instability, right knee	Diagnosis	ICD-10-CM
M25362	Other instability, left knee	Diagnosis	ICD-10-CM
M25369	Other instability, unspecified knee	Diagnosis	ICD-10-CM
M25371	Other instability, right ankle	Diagnosis	ICD-10-CM
M25372	Other instability, left ankle	Diagnosis	ICD-10-CM
M25373	Other instability, unspecified ankle	Diagnosis	ICD-10-CM
M25374	Other instability, right foot	Diagnosis	ICD-10-CM
M25375	Other instability, left foot	Diagnosis	ICD-10-CM
M25376	Other instability, unspecified foot	Diagnosis	ICD-10-CM
M2540	Effusion, unspecified joint	Diagnosis	ICD-10-CM
M25411	Effusion, right shoulder	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M25412	Effusion, left shoulder	Diagnosis	ICD-10-CM
M25419	Effusion, unspecified shoulder	Diagnosis	ICD-10-CM
M25421	Effusion, right elbow	Diagnosis	ICD-10-CM
M25422	Effusion, left elbow	Diagnosis	ICD-10-CM
M25429	Effusion, unspecified elbow	Diagnosis	ICD-10-CM
M25431	Effusion, right wrist	Diagnosis	ICD-10-CM
M25432	Effusion, left wrist	Diagnosis	ICD-10-CM
M25439	Effusion, unspecified wrist	Diagnosis	ICD-10-CM
M25441	Effusion, right hand	Diagnosis	ICD-10-CM
M25442	Effusion, left hand	Diagnosis	ICD-10-CM
M25449	Effusion, unspecified hand	Diagnosis	ICD-10-CM
M25451	Effusion, right hip	Diagnosis	ICD-10-CM
M25452	Effusion, left hip	Diagnosis	ICD-10-CM
M25459	Effusion, unspecified hip	Diagnosis	ICD-10-CM
M25461	Effusion, right knee	Diagnosis	ICD-10-CM
M25462	Effusion, left knee	Diagnosis	ICD-10-CM
M25469	Effusion, unspecified knee	Diagnosis	ICD-10-CM
M25471	Effusion, right ankle	Diagnosis	ICD-10-CM
M25472	Effusion, left ankle	Diagnosis	ICD-10-CM
M25473	Effusion, unspecified ankle	Diagnosis	ICD-10-CM
M25474	Effusion, right foot	Diagnosis	ICD-10-CM
M25475	Effusion, left foot	Diagnosis	ICD-10-CM
M25476	Effusion, unspecified foot	Diagnosis	ICD-10-CM
M2548	Effusion, other site	Diagnosis	ICD-10-CM
M2550	Pain in unspecified joint	Diagnosis	ICD-10-CM
M25511	Pain in right shoulder	Diagnosis	ICD-10-CM
M25512	Pain in left shoulder	Diagnosis	ICD-10-CM
M25519	Pain in unspecified shoulder	Diagnosis	ICD-10-CM
M25521	Pain in right elbow	Diagnosis	ICD-10-CM
M25522	Pain in left elbow	Diagnosis	ICD-10-CM
M25529	Pain in unspecified elbow	Diagnosis	ICD-10-CM
M25531	Pain in right wrist	Diagnosis	ICD-10-CM
M25532	Pain in left wrist	Diagnosis	ICD-10-CM
M25539	Pain in unspecified wrist	Diagnosis	ICD-10-CM
M25541	Pain in joints of right hand	Diagnosis	ICD-10-CM
M25542	Pain in joints of left hand	Diagnosis	ICD-10-CM
M25549	Pain in joints of unspecified hand	Diagnosis	ICD-10-CM
M25551	Pain in right hip	Diagnosis	ICD-10-CM
M25552	Pain in left hip	Diagnosis	ICD-10-CM
M25559	Pain in unspecified hip	Diagnosis	ICD-10-CM
M25561	Pain in right knee	Diagnosis	ICD-10-CM
M25562	Pain in left knee	Diagnosis	ICD-10-CM
M25569	Pain in unspecified knee	Diagnosis	ICD-10-CM
M25571	Pain in right ankle and joints of right foot	Diagnosis	ICD-10-CM
M25572	Pain in left ankle and joints of left foot	Diagnosis	ICD-10-CM
M25579	Pain in unspecified ankle and joints of unspecified foot	Diagnosis	ICD-10-CM
M2560	Stiffness of unspecified joint, not elsewhere classified	Diagnosis	ICD-10-CM
M25611	Stiffness of right shoulder, not elsewhere classified	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M25612	Stiffness of left shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M25619	Stiffness of unspecified shoulder, not elsewhere classified	Diagnosis	ICD-10-CM
M25621	Stiffness of right elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M25622	Stiffness of left elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M25629	Stiffness of unspecified elbow, not elsewhere classified	Diagnosis	ICD-10-CM
M25631	Stiffness of right wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M25632	Stiffness of left wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M25639	Stiffness of unspecified wrist, not elsewhere classified	Diagnosis	ICD-10-CM
M25641	Stiffness of right hand, not elsewhere classified	Diagnosis	ICD-10-CM
M25642	Stiffness of left hand, not elsewhere classified	Diagnosis	ICD-10-CM
M25649	Stiffness of unspecified hand, not elsewhere classified	Diagnosis	ICD-10-CM
M25651	Stiffness of right hip, not elsewhere classified	Diagnosis	ICD-10-CM
M25652	Stiffness of left hip, not elsewhere classified	Diagnosis	ICD-10-CM
M25659	Stiffness of unspecified hip, not elsewhere classified	Diagnosis	ICD-10-CM
M25661	Stiffness of right knee, not elsewhere classified	Diagnosis	ICD-10-CM
M25662	Stiffness of left knee, not elsewhere classified	Diagnosis	ICD-10-CM
M25669	Stiffness of unspecified knee, not elsewhere classified	Diagnosis	ICD-10-CM
M25671	Stiffness of right ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M25672	Stiffness of left ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M25673	Stiffness of unspecified ankle, not elsewhere classified	Diagnosis	ICD-10-CM
M25674	Stiffness of right foot, not elsewhere classified	Diagnosis	ICD-10-CM
M25675	Stiffness of left foot, not elsewhere classified	Diagnosis	ICD-10-CM
M25676	Stiffness of unspecified foot, not elsewhere classified	Diagnosis	ICD-10-CM
M2578	Osteophyte, vertebrae	Diagnosis	ICD-10-CM
M2580	Other specified joint disorders, unspecified joint	Diagnosis	ICD-10-CM
M25811	Other specified joint disorders, right shoulder	Diagnosis	ICD-10-CM
M25812	Other specified joint disorders, left shoulder	Diagnosis	ICD-10-CM
M25819	Other specified joint disorders, unspecified shoulder	Diagnosis	ICD-10-CM
M25821	Other specified joint disorders, right elbow	Diagnosis	ICD-10-CM
M25822	Other specified joint disorders, left elbow	Diagnosis	ICD-10-CM
M25829	Other specified joint disorders, unspecified elbow	Diagnosis	ICD-10-CM
M25831	Other specified joint disorders, right wrist	Diagnosis	ICD-10-CM
M25832	Other specified joint disorders, left wrist	Diagnosis	ICD-10-CM
M25839	Other specified joint disorders, unspecified wrist	Diagnosis	ICD-10-CM
M25841	Other specified joint disorders, right hand	Diagnosis	ICD-10-CM
M25842	Other specified joint disorders, left hand	Diagnosis	ICD-10-CM
M25849	Other specified joint disorders, unspecified hand	Diagnosis	ICD-10-CM
M25851	Other specified joint disorders, right hip	Diagnosis	ICD-10-CM
M25852	Other specified joint disorders, left hip	Diagnosis	ICD-10-CM
M25859	Other specified joint disorders, unspecified hip	Diagnosis	ICD-10-CM
M25861	Other specified joint disorders, right knee	Diagnosis	ICD-10-CM
M25862	Other specified joint disorders, left knee	Diagnosis	ICD-10-CM
M25869	Other specified joint disorders, unspecified knee	Diagnosis	ICD-10-CM
M25871	Other specified joint disorders, right ankle and foot	Diagnosis	ICD-10-CM
M25872	Other specified joint disorders, left ankle and foot	Diagnosis	ICD-10-CM
M25879	Other specified joint disorders, unspecified ankle and foot	Diagnosis	ICD-10-CM
M259	Joint disorder, unspecified	Diagnosis	ICD-10-CM
M361	Arthropathy in neoplastic disease	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M362	Hemophilic arthropathy	Diagnosis	ICD-10-CM
M363	Arthropathy in other blood disorders	Diagnosis	ICD-10-CM
M364	Arthropathy in hypersensitivity reactions classified elsewhere	Diagnosis	ICD-10-CM
M4320	Fusion of spine, site unspecified	Diagnosis	ICD-10-CM
M4321	Fusion of spine, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4322	Fusion of spine, cervical region	Diagnosis	ICD-10-CM
M4323	Fusion of spine, cervicothoracic region	Diagnosis	ICD-10-CM
M4324	Fusion of spine, thoracic region	Diagnosis	ICD-10-CM
M4325	Fusion of spine, thoracolumbar region	Diagnosis	ICD-10-CM
M4326	Fusion of spine, lumbar region	Diagnosis	ICD-10-CM
M4327	Fusion of spine, lumbosacral region	Diagnosis	ICD-10-CM
M4328	Fusion of spine, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M436	Torticollis	Diagnosis	ICD-10-CM
M438X9	Other specified deforming dorsopathies, site unspecified	Diagnosis	ICD-10-CM
M4600	Spinal enthesopathy, site unspecified	Diagnosis	ICD-10-CM
M4601	Spinal enthesopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4602	Spinal enthesopathy, cervical region	Diagnosis	ICD-10-CM
M4603	Spinal enthesopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4604	Spinal enthesopathy, thoracic region	Diagnosis	ICD-10-CM
M4605	Spinal enthesopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4606	Spinal enthesopathy, lumbar region	Diagnosis	ICD-10-CM
M4607	Spinal enthesopathy, lumbosacral region	Diagnosis	ICD-10-CM
M4608	Spinal enthesopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4609	Spinal enthesopathy, multiple sites in spine	Diagnosis	ICD-10-CM
M461	Sacroiliitis, not elsewhere classified	Diagnosis	ICD-10-CM
M4640	Discitis, unspecified, site unspecified	Diagnosis	ICD-10-CM
M4641	Discitis, unspecified, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4642	Discitis, unspecified, cervical region	Diagnosis	ICD-10-CM
M4643	Discitis, unspecified, cervicothoracic region	Diagnosis	ICD-10-CM
M4644	Discitis, unspecified, thoracic region	Diagnosis	ICD-10-CM
M4645	Discitis, unspecified, thoracolumbar region	Diagnosis	ICD-10-CM
M4646	Discitis, unspecified, lumbar region	Diagnosis	ICD-10-CM
M4647	Discitis, unspecified, lumbosacral region	Diagnosis	ICD-10-CM
M4648	Discitis, unspecified, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4649	Discitis, unspecified, multiple sites in spine	Diagnosis	ICD-10-CM
M4650	Other infective spondylopathies, site unspecified	Diagnosis	ICD-10-CM
M4651	Other infective spondylopathies, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4652	Other infective spondylopathies, cervical region	Diagnosis	ICD-10-CM
M4653	Other infective spondylopathies, cervicothoracic region	Diagnosis	ICD-10-CM
M4654	Other infective spondylopathies, thoracic region	Diagnosis	ICD-10-CM
M4655	Other infective spondylopathies, thoracolumbar region	Diagnosis	ICD-10-CM
M4656	Other infective spondylopathies, lumbar region	Diagnosis	ICD-10-CM
M4657	Other infective spondylopathies, lumbosacral region	Diagnosis	ICD-10-CM
M4658	Other infective spondylopathies, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4659	Other infective spondylopathies, multiple sites in spine	Diagnosis	ICD-10-CM
M4680	Other specified inflammatory spondylopathies, site unspecified	Diagnosis	ICD-10-CM
M4681	Other specified inflammatory spondylopathies, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4682	Other specified inflammatory spondylopathies, cervical region	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M4683	Other specified inflammatory spondylopathies, cervicothoracic region	Diagnosis	ICD-10-CM
M4684	Other specified inflammatory spondylopathies, thoracic region	Diagnosis	ICD-10-CM
M4685	Other specified inflammatory spondylopathies, thoracolumbar region	Diagnosis	ICD-10-CM
M4686	Other specified inflammatory spondylopathies, lumbar region	Diagnosis	ICD-10-CM
M4687	Other specified inflammatory spondylopathies, lumbosacral region	Diagnosis	ICD-10-CM
M4688	Other specified inflammatory spondylopathies, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4689	Other specified inflammatory spondylopathies, multiple sites in spine	Diagnosis	ICD-10-CM
M4690	Unspecified inflammatory spondylopathy, site unspecified	Diagnosis	ICD-10-CM
M4691	Unspecified inflammatory spondylopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4692	Unspecified inflammatory spondylopathy, cervical region	Diagnosis	ICD-10-CM
M4693	Unspecified inflammatory spondylopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4694	Unspecified inflammatory spondylopathy, thoracic region	Diagnosis	ICD-10-CM
M4695	Unspecified inflammatory spondylopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4696	Unspecified inflammatory spondylopathy, lumbar region	Diagnosis	ICD-10-CM
M4697	Unspecified inflammatory spondylopathy, lumbosacral region	Diagnosis	ICD-10-CM
M4698	Unspecified inflammatory spondylopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4699	Unspecified inflammatory spondylopathy, multiple sites in spine	Diagnosis	ICD-10-CM
M47011	Anterior spinal artery compression syndromes, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47012	Anterior spinal artery compression syndromes, cervical region	Diagnosis	ICD-10-CM
M47013	Anterior spinal artery compression syndromes, cervicothoracic region	Diagnosis	ICD-10-CM
M47014	Anterior spinal artery compression syndromes, thoracic region	Diagnosis	ICD-10-CM
M47015	Anterior spinal artery compression syndromes, thoracolumbar region	Diagnosis	ICD-10-CM
M47016	Anterior spinal artery compression syndromes, lumbar region	Diagnosis	ICD-10-CM
M47019	Anterior spinal artery compression syndromes, site unspecified	Diagnosis	ICD-10-CM
M47021	Vertebral artery compression syndromes, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47022	Vertebral artery compression syndromes, cervical region	Diagnosis	ICD-10-CM
M47029	Vertebral artery compression syndromes, site unspecified	Diagnosis	ICD-10-CM
M4710	Other spondylosis with myelopathy, site unspecified	Diagnosis	ICD-10-CM
M4711	Other spondylosis with myelopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4712	Other spondylosis with myelopathy, cervical region	Diagnosis	ICD-10-CM
M4713	Other spondylosis with myelopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4714	Other spondylosis with myelopathy, thoracic region	Diagnosis	ICD-10-CM
M4715	Other spondylosis with myelopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4716	Other spondylosis with myelopathy, lumbar region	Diagnosis	ICD-10-CM
M4720	Other spondylosis with radiculopathy, site unspecified	Diagnosis	ICD-10-CM
M4721	Other spondylosis with radiculopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4722	Other spondylosis with radiculopathy, cervical region	Diagnosis	ICD-10-CM
M4723	Other spondylosis with radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4724	Other spondylosis with radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M4725	Other spondylosis with radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4726	Other spondylosis with radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M4727	Other spondylosis with radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M4728	Other spondylosis with radiculopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M47811	Spondylosis without myelopathy or radiculopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47812	Spondylosis without myelopathy or radiculopathy, cervical region	Diagnosis	ICD-10-CM
M47813	Spondylosis without myelopathy or radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M47814	Spondylosis without myelopathy or radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M47815	Spondylosis without myelopathy or radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M47816	Spondylosis without myelopathy or radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M47817	Spondylosis without myelopathy or radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M47818	Spondylosis without myelopathy or radiculopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M47819	Spondylosis without myelopathy or radiculopathy, site unspecified	Diagnosis	ICD-10-CM
M47891	Other spondylosis, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47892	Other spondylosis, cervical region	Diagnosis	ICD-10-CM
M47893	Other spondylosis, cervicothoracic region	Diagnosis	ICD-10-CM
M47894	Other spondylosis, thoracic region	Diagnosis	ICD-10-CM
M47895	Other spondylosis, thoracolumbar region	Diagnosis	ICD-10-CM
M47896	Other spondylosis, lumbar region	Diagnosis	ICD-10-CM
M47897	Other spondylosis, lumbosacral region	Diagnosis	ICD-10-CM
M47898	Other spondylosis, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M47899	Other spondylosis, site unspecified	Diagnosis	ICD-10-CM
M479	Spondylosis, unspecified	Diagnosis	ICD-10-CM
M4800	Spinal stenosis, site unspecified	Diagnosis	ICD-10-CM
M4801	Spinal stenosis, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4802	Spinal stenosis, cervical region	Diagnosis	ICD-10-CM
M4803	Spinal stenosis, cervicothoracic region	Diagnosis	ICD-10-CM
M4804	Spinal stenosis, thoracic region	Diagnosis	ICD-10-CM
M4805	Spinal stenosis, thoracolumbar region	Diagnosis	ICD-10-CM
M4806	Spinal stenosis, lumbar region	Diagnosis	ICD-10-CM
M48061	Spinal stenosis, lumbar region without neurogenic claudication	Diagnosis	ICD-10-CM
M48062	Spinal stenosis, lumbar region with neurogenic claudication	Diagnosis	ICD-10-CM
M4807	Spinal stenosis, lumbosacral region	Diagnosis	ICD-10-CM
M4808	Spinal stenosis, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4810	Ankylosing hyperostosis [Forestier], site unspecified	Diagnosis	ICD-10-CM
M4811	Ankylosing hyperostosis [Forestier], occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4812	Ankylosing hyperostosis [Forestier], cervical region	Diagnosis	ICD-10-CM
M4813	Ankylosing hyperostosis [Forestier], cervicothoracic region	Diagnosis	ICD-10-CM
M4814	Ankylosing hyperostosis [Forestier], thoracic region	Diagnosis	ICD-10-CM
M4815	Ankylosing hyperostosis [Forestier], thoracolumbar region	Diagnosis	ICD-10-CM
M4816	Ankylosing hyperostosis [Forestier], lumbar region	Diagnosis	ICD-10-CM
M4817	Ankylosing hyperostosis [Forestier], lumbosacral region	Diagnosis	ICD-10-CM
M4818	Ankylosing hyperostosis [Forestier], sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4819	Ankylosing hyperostosis [Forestier], multiple sites in spine	Diagnosis	ICD-10-CM
M4820	Kissing spine, site unspecified	Diagnosis	ICD-10-CM
M4821	Kissing spine, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4822	Kissing spine, cervical region	Diagnosis	ICD-10-CM
M4823	Kissing spine, cervicothoracic region	Diagnosis	ICD-10-CM
M4824	Kissing spine, thoracic region	Diagnosis	ICD-10-CM
M4825	Kissing spine, thoracolumbar region	Diagnosis	ICD-10-CM
M4826	Kissing spine, lumbar region	Diagnosis	ICD-10-CM
M4827	Kissing spine, lumbosacral region	Diagnosis	ICD-10-CM
M4830	Traumatic spondylopathy, site unspecified	Diagnosis	ICD-10-CM
M4831	Traumatic spondylopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4832	Traumatic spondylopathy, cervical region	Diagnosis	ICD-10-CM
M4833	Traumatic spondylopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M4834	Traumatic spondylopathy, thoracic region	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M4835	Traumatic spondylopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M4836	Traumatic spondylopathy, lumbar region	Diagnosis	ICD-10-CM
M4837	Traumatic spondylopathy, lumbosacral region	Diagnosis	ICD-10-CM
M4838	Traumatic spondylopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4840XA	Fatigue fracture of vertebra, site unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M4841XA	Fatigue fracture of vertebra, occipito-atlanto-axial region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4842XA	Fatigue fracture of vertebra, cervical region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4843XA	Fatigue fracture of vertebra, cervicothoracic region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4844XA	Fatigue fracture of vertebra, thoracic region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4845XA	Fatigue fracture of vertebra, thoracolumbar region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4846XA	Fatigue fracture of vertebra, lumbar region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4847XA	Fatigue fracture of vertebra, lumbosacral region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4848XA	Fatigue fracture of vertebra, sacral and sacrococcygeal region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4850XA	Collapsed vertebra, not elsewhere classified, site unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M4851XA	Collapsed vertebra, not elsewhere classified, occipito-atlanto-axial region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4852XA	Collapsed vertebra, not elsewhere classified, cervical region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4853XA	Collapsed vertebra, not elsewhere classified, cervicothoracic region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4854XA	Collapsed vertebra, not elsewhere classified, thoracic region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4855XA	Collapsed vertebra, not elsewhere classified, thoracolumbar region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4856XA	Collapsed vertebra, not elsewhere classified, lumbar region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4857XA	Collapsed vertebra, not elsewhere classified, lumbosacral region, initial encounter for fracture	Diagnosis	ICD-10-CM
M4858XA	Collapsed vertebra, not elsewhere classified, sacral and sacrococcygeal region, initial encounter for fracture	Diagnosis	ICD-10-CM
M489	Spondylopathy, unspecified	Diagnosis	ICD-10-CM
M4980	Spondylopathy in diseases classified elsewhere, site unspecified	Diagnosis	ICD-10-CM
M4981	Spondylopathy in diseases classified elsewhere, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4982	Spondylopathy in diseases classified elsewhere, cervical region	Diagnosis	ICD-10-CM
M4983	Spondylopathy in diseases classified elsewhere, cervicothoracic region	Diagnosis	ICD-10-CM
M4984	Spondylopathy in diseases classified elsewhere, thoracic region	Diagnosis	ICD-10-CM
M4985	Spondylopathy in diseases classified elsewhere, thoracolumbar region	Diagnosis	ICD-10-CM
M4986	Spondylopathy in diseases classified elsewhere, lumbar region	Diagnosis	ICD-10-CM
M4987	Spondylopathy in diseases classified elsewhere, lumbosacral region	Diagnosis	ICD-10-CM
M4988	Spondylopathy in diseases classified elsewhere, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4989	Spondylopathy in diseases classified elsewhere, multiple sites in spine	Diagnosis	ICD-10-CM
M5000	Cervical disc disorder with myelopathy, unspecified cervical region	Diagnosis	ICD-10-CM
M5001	Cervical disc disorder with myelopathy, high cervical region	Diagnosis	ICD-10-CM
M5002	Cervical disc disorder with myelopathy, mid-cervical region	Diagnosis	ICD-10-CM
M50020	Cervical disc disorder with myelopathy, mid-cervical region, unspecified level	Diagnosis	ICD-10-CM
M50021	Cervical disc disorder at C4-C5 level with myelopathy	Diagnosis	ICD-10-CM
M50022	Cervical disc disorder at C5-C6 level with myelopathy	Diagnosis	ICD-10-CM
M50023	Cervical disc disorder at C6-C7 level with myelopathy	Diagnosis	ICD-10-CM
M5003	Cervical disc disorder with myelopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M5010	Cervical disc disorder with radiculopathy, unspecified cervical region	Diagnosis	ICD-10-CM
M5011	Cervical disc disorder with radiculopathy, high cervical region	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M5012	Cervical disc disorder with radiculopathy, mid-cervical region	Diagnosis	ICD-10-CM
M50120	Mid-cervical disc disorder, unspecified	Diagnosis	ICD-10-CM
M50121	Cervical disc disorder at C4-C5 level with radiculopathy	Diagnosis	ICD-10-CM
M50122	Cervical disc disorder at C5-C6 level with radiculopathy	Diagnosis	ICD-10-CM
M50123	Cervical disc disorder at C6-C7 level with radiculopathy	Diagnosis	ICD-10-CM
M5013	Cervical disc disorder with radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M5020	Other cervical disc displacement, unspecified cervical region	Diagnosis	ICD-10-CM
M5021	Other cervical disc displacement, high cervical region	Diagnosis	ICD-10-CM
M5022	Other cervical disc displacement, mid-cervical region	Diagnosis	ICD-10-CM
M50220	Other cervical disc displacement, mid-cervical region, unspecified level	Diagnosis	ICD-10-CM
M50221	Other cervical disc displacement at C4-C5 level	Diagnosis	ICD-10-CM
M50222	Other cervical disc displacement at C5-C6 level	Diagnosis	ICD-10-CM
M50223	Other cervical disc displacement at C6-C7 level	Diagnosis	ICD-10-CM
M5023	Other cervical disc displacement, cervicothoracic region	Diagnosis	ICD-10-CM
M5030	Other cervical disc degeneration, unspecified cervical region	Diagnosis	ICD-10-CM
M5031	Other cervical disc degeneration, high cervical region	Diagnosis	ICD-10-CM
M5032	Other cervical disc degeneration, mid-cervical region	Diagnosis	ICD-10-CM
M50320	Other cervical disc degeneration, mid-cervical region, unspecified level	Diagnosis	ICD-10-CM
M50321	Other cervical disc degeneration at C4-C5 level	Diagnosis	ICD-10-CM
M50322	Other cervical disc degeneration at C5-C6 level	Diagnosis	ICD-10-CM
M50323	Other cervical disc degeneration at C6-C7 level	Diagnosis	ICD-10-CM
M5033	Other cervical disc degeneration, cervicothoracic region	Diagnosis	ICD-10-CM
M5080	Other cervical disc disorders, unspecified cervical region	Diagnosis	ICD-10-CM
M5081	Other cervical disc disorders, high cervical region	Diagnosis	ICD-10-CM
M5082	Other cervical disc disorders, mid-cervical region	Diagnosis	ICD-10-CM
M50820	Other cervical disc disorders, mid-cervical region, unspecified level	Diagnosis	ICD-10-CM
M50821	Other cervical disc disorders at C4-C5 level	Diagnosis	ICD-10-CM
M50822	Other cervical disc disorders at C5-C6 level	Diagnosis	ICD-10-CM
M50823	Other cervical disc disorders at C6-C7 level	Diagnosis	ICD-10-CM
M5083	Other cervical disc disorders, cervicothoracic region	Diagnosis	ICD-10-CM
M5090	Cervical disc disorder, unspecified, unspecified cervical region	Diagnosis	ICD-10-CM
M5091	Cervical disc disorder, unspecified, high cervical region	Diagnosis	ICD-10-CM
M5092	Cervical disc disorder, unspecified, mid-cervical region	Diagnosis	ICD-10-CM
M50920	Unspecified cervical disc disorder, mid-cervical region, unspecified level	Diagnosis	ICD-10-CM
M50921	Unspecified cervical disc disorder at C4-C5 level	Diagnosis	ICD-10-CM
M50922	Unspecified cervical disc disorder at C5-C6 level	Diagnosis	ICD-10-CM
M50923	Unspecified cervical disc disorder at C6-C7 level	Diagnosis	ICD-10-CM
M5093	Cervical disc disorder, unspecified, cervicothoracic region	Diagnosis	ICD-10-CM
M5104	Intervertebral disc disorders with myelopathy, thoracic region	Diagnosis	ICD-10-CM
M5105	Intervertebral disc disorders with myelopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M5106	Intervertebral disc disorders with myelopathy, lumbar region	Diagnosis	ICD-10-CM
M5114	Intervertebral disc disorders with radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M5115	Intervertebral disc disorders with radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M5116	Intervertebral disc disorders with radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M5117	Intervertebral disc disorders with radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M5124	Other intervertebral disc displacement, thoracic region	Diagnosis	ICD-10-CM
M5125	Other intervertebral disc displacement, thoracolumbar region	Diagnosis	ICD-10-CM
M5126	Other intervertebral disc displacement, lumbar region	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M5127	Other intervertebral disc displacement, lumbosacral region	Diagnosis	ICD-10-CM
M5134	Other intervertebral disc degeneration, thoracic region	Diagnosis	ICD-10-CM
M5135	Other intervertebral disc degeneration, thoracolumbar region	Diagnosis	ICD-10-CM
M5136	Other intervertebral disc degeneration, lumbar region	Diagnosis	ICD-10-CM
M5137	Other intervertebral disc degeneration, lumbosacral region	Diagnosis	ICD-10-CM
M5144	Schmorl's nodes, thoracic region	Diagnosis	ICD-10-CM
M5145	Schmorl's nodes, thoracolumbar region	Diagnosis	ICD-10-CM
M5146	Schmorl's nodes, lumbar region	Diagnosis	ICD-10-CM
M5147	Schmorl's nodes, lumbosacral region	Diagnosis	ICD-10-CM
M5184	Other intervertebral disc disorders, thoracic region	Diagnosis	ICD-10-CM
M5185	Other intervertebral disc disorders, thoracolumbar region	Diagnosis	ICD-10-CM
M5186	Other intervertebral disc disorders, lumbar region	Diagnosis	ICD-10-CM
M5187	Other intervertebral disc disorders, lumbosacral region	Diagnosis	ICD-10-CM
M519	Unspecified thoracic, thoracolumbar and lumbosacral intervertebral disc disorder	Diagnosis	ICD-10-CM
M530	Cervicocranial syndrome	Diagnosis	ICD-10-CM
M531	Cervicobrachial syndrome	Diagnosis	ICD-10-CM
M532X1	Spinal instabilities, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M532X2	Spinal instabilities, cervical region	Diagnosis	ICD-10-CM
M532X3	Spinal instabilities, cervicothoracic region	Diagnosis	ICD-10-CM
M532X4	Spinal instabilities, thoracic region	Diagnosis	ICD-10-CM
M532X5	Spinal instabilities, thoracolumbar region	Diagnosis	ICD-10-CM
M532X6	Spinal instabilities, lumbar region	Diagnosis	ICD-10-CM
M532X7	Spinal instabilities, lumbosacral region	Diagnosis	ICD-10-CM
M532X8	Spinal instabilities, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M532X9	Spinal instabilities, site unspecified	Diagnosis	ICD-10-CM
M533	Sacrococcygeal disorders, not elsewhere classified	Diagnosis	ICD-10-CM
M5380	Other specified dorsopathies, site unspecified	Diagnosis	ICD-10-CM
M5381	Other specified dorsopathies, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M5382	Other specified dorsopathies, cervical region	Diagnosis	ICD-10-CM
M5383	Other specified dorsopathies, cervicothoracic region	Diagnosis	ICD-10-CM
M5384	Other specified dorsopathies, thoracic region	Diagnosis	ICD-10-CM
M5385	Other specified dorsopathies, thoracolumbar region	Diagnosis	ICD-10-CM
M5386	Other specified dorsopathies, lumbar region	Diagnosis	ICD-10-CM
M5387	Other specified dorsopathies, lumbosacral region	Diagnosis	ICD-10-CM
M5388	Other specified dorsopathies, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M539	Dorsopathy, unspecified	Diagnosis	ICD-10-CM
M5400	Panniculitis affecting regions of neck and back, site unspecified	Diagnosis	ICD-10-CM
M5401	Panniculitis affecting regions of neck and back, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M5402	Panniculitis affecting regions of neck and back, cervical region	Diagnosis	ICD-10-CM
M5403	Panniculitis affecting regions of neck and back, cervicothoracic region	Diagnosis	ICD-10-CM
M5404	Panniculitis affecting regions of neck and back, thoracic region	Diagnosis	ICD-10-CM
M5405	Panniculitis affecting regions of neck and back, thoracolumbar region	Diagnosis	ICD-10-CM
M5406	Panniculitis affecting regions of neck and back, lumbar region	Diagnosis	ICD-10-CM
M5407	Panniculitis affecting regions of neck and back, lumbosacral region	Diagnosis	ICD-10-CM
M5408	Panniculitis affecting regions of neck and back, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M5409	Panniculitis affecting regions, neck and back, multiple sites in spine	Diagnosis	ICD-10-CM
M5411	Radiculopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M5412	Radiculopathy, cervical region	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M5413	Radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M5414	Radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M5415	Radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M5416	Radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M5417	Radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M542	Cervicalgia	Diagnosis	ICD-10-CM
M5430	Sciatica, unspecified side	Diagnosis	ICD-10-CM
M5431	Sciatica, right side	Diagnosis	ICD-10-CM
M5432	Sciatica, left side	Diagnosis	ICD-10-CM
M5440	Lumbago with sciatica, unspecified side	Diagnosis	ICD-10-CM
M5441	Lumbago with sciatica, right side	Diagnosis	ICD-10-CM
M5442	Lumbago with sciatica, left side	Diagnosis	ICD-10-CM
M545	Low back pain	Diagnosis	ICD-10-CM
M546	Pain in thoracic spine	Diagnosis	ICD-10-CM
M5481	Occipital neuralgia	Diagnosis	ICD-10-CM
M5489	Other dorsalgia	Diagnosis	ICD-10-CM
M549	Dorsalgia, unspecified	Diagnosis	ICD-10-CM
M62830	Muscle spasm of back	Diagnosis	ICD-10-CM
M6788	Other specified disorders of synovium and tendon, other site	Diagnosis	ICD-10-CM
M79643	Pain in unspecified hand	Diagnosis	ICD-10-CM
M79646	Pain in unspecified finger(s)	Diagnosis	ICD-10-CM
M8000XA	Age-related osteoporosis with current pathological fracture, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M80011A	Age-related osteoporosis with current pathological fracture, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80012A	Age-related osteoporosis with current pathological fracture, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80019A	Age-related osteoporosis with current pathological fracture, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80021A	Age-related osteoporosis with current pathological fracture, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80022A	Age-related osteoporosis with current pathological fracture, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80029A	Age-related osteoporosis with current pathological fracture, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80031A	Age-related osteoporosis with current pathological fracture, right forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80032A	Age-related osteoporosis with current pathological fracture, left forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80039A	Age-related osteoporosis with current pathological fracture, unspecified forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80041A	Age-related osteoporosis with current pathological fracture, right hand, initial encounter for	Diagnosis	ICD-10-CM
M80042A	Age-related osteoporosis with current pathological fracture, left hand, initial encounter for	Diagnosis	ICD-10-CM
M80049A	Age-related osteoporosis with current pathological fracture, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M80051A	Age-related osteoporosis with current pathological fracture, right femur, initial encounter	Diagnosis	ICD-10-CM
M80052A	Age-related osteoporosis with current pathological fracture, left femur, initial encounter for	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M80059A	Age-related osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M80061A	Age-related osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80062A	Age-related osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80069A	Age-related osteoporosis with current pathological fracture, unspecified lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80071A	Age-related osteoporosis with current pathological fracture, right ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M80072A	Age-related osteoporosis with current pathological fracture, left ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M80079A	Age-related osteoporosis with current pathological fracture, unspecified ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M8008XA	Age-related osteoporosis with current pathological fracture, vertebra(e), initial encounter for fracture	Diagnosis	ICD-10-CM
M8080XA	Other osteoporosis with current pathological fracture, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M80811A	Other osteoporosis with current pathological fracture, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80812A	Other osteoporosis with current pathological fracture, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80819A	Other osteoporosis with current pathological fracture, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M80821A	Other osteoporosis with current pathological fracture, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80822A	Other osteoporosis with current pathological fracture, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80829A	Other osteoporosis with current pathological fracture, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M80831A	Other osteoporosis with current pathological fracture, right forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80832A	Other osteoporosis with current pathological fracture, left forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80839A	Other osteoporosis with current pathological fracture, unspecified forearm, initial encounter for fracture	Diagnosis	ICD-10-CM
M80841A	Other osteoporosis with current pathological fracture, right hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M80842A	Other osteoporosis with current pathological fracture, left hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M80849A	Other osteoporosis with current pathological fracture, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M80851A	Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M80852A	Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M80859A	Other osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M80861A	Other osteoporosis with current pathological fracture, right lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80862A	Other osteoporosis with current pathological fracture, left lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80869A	Other osteoporosis with current pathological fracture, unspecified lower leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M80871A	Other osteoporosis with current pathological fracture, right ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M80872A	Other osteoporosis with current pathological fracture, left ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M80879A	Other osteoporosis with current pathological fracture, unspecified ankle and foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M8088XA	Other osteoporosis with current pathological fracture, vertebra(e), initial encounter for fracture	Diagnosis	ICD-10-CM
M810	Age-related osteoporosis without current pathological fracture	Diagnosis	ICD-10-CM
M816	Localized osteoporosis [Lequesne]	Diagnosis	ICD-10-CM
M818	Other osteoporosis without current pathological fracture	Diagnosis	ICD-10-CM
M8430XA	Stress fracture, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M84311A	Stress fracture, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84312A	Stress fracture, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84319A	Stress fracture, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84321A	Stress fracture, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84322A	Stress fracture, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84329A	Stress fracture, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84331A	Stress fracture, right ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84332A	Stress fracture, left ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84333A	Stress fracture, right radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84334A	Stress fracture, left radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84339A	Stress fracture, unspecified ulna and radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84341A	Stress fracture, right hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84342A	Stress fracture, left hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84343A	Stress fracture, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84344A	Stress fracture, right finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84345A	Stress fracture, left finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84346A	Stress fracture, unspecified finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84350A	Stress fracture, pelvis, initial encounter for fracture	Diagnosis	ICD-10-CM
M84351A	Stress fracture, right femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84352A	Stress fracture, left femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84353A	Stress fracture, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84359A	Stress fracture, hip, unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M84361A	Stress fracture, right tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84362A	Stress fracture, left tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84363A	Stress fracture, right fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84364A	Stress fracture, left fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84369A	Stress fracture, unspecified tibia and fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84371A	Stress fracture, right ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84372A	Stress fracture, left ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84373A	Stress fracture, unspecified ankle, initial encounter for fracture	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M84374A	Stress fracture, right foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84375A	Stress fracture, left foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84376A	Stress fracture, unspecified foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84377A	Stress fracture, right toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84378A	Stress fracture, left toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84379A	Stress fracture, unspecified toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M8438XA	Stress fracture, other site, initial encounter for fracture	Diagnosis	ICD-10-CM
M8440XA	Pathological fracture, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M84411A	Pathological fracture, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84412A	Pathological fracture, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84419A	Pathological fracture, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84421A	Pathological fracture, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84422A	Pathological fracture, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84429A	Pathological fracture, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84431A	Pathological fracture, right ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84432A	Pathological fracture, left ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84433A	Pathological fracture, right radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84434A	Pathological fracture, left radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84439A	Pathological fracture, unspecified ulna and radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84441A	Pathological fracture, right hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84442A	Pathological fracture, left hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84443A	Pathological fracture, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84444A	Pathological fracture, right finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84445A	Pathological fracture, left finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84446A	Pathological fracture, unspecified finger(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84451A	Pathological fracture, right femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84452A	Pathological fracture, left femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84453A	Pathological fracture, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84454A	Pathological fracture, pelvis, initial encounter for fracture	Diagnosis	ICD-10-CM
M84459A	Pathological fracture, hip, unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M84461A	Pathological fracture, right tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84462A	Pathological fracture, left tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84463A	Pathological fracture, right fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84464A	Pathological fracture, left fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84469A	Pathological fracture, unspecified tibia and fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84471A	Pathological fracture, right ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84472A	Pathological fracture, left ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84473A	Pathological fracture, unspecified ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84474A	Pathological fracture, right foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84475A	Pathological fracture, left foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84476A	Pathological fracture, unspecified foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84477A	Pathological fracture, right toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84478A	Pathological fracture, left toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M84479A	Pathological fracture, unspecified toe(s), initial encounter for fracture	Diagnosis	ICD-10-CM
M8448XA	Pathological fracture, other site, initial encounter for fracture	Diagnosis	ICD-10-CM
M8450XA	Pathological fracture in neoplastic disease, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M84511A	Pathological fracture in neoplastic disease, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84512A	Pathological fracture in neoplastic disease, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M84519A	Pathological fracture in neoplastic disease, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84521A	Pathological fracture in neoplastic disease, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84522A	Pathological fracture in neoplastic disease, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84529A	Pathological fracture in neoplastic disease, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84531A	Pathological fracture in neoplastic disease, right ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84532A	Pathological fracture in neoplastic disease, left ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84533A	Pathological fracture in neoplastic disease, right radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84534A	Pathological fracture in neoplastic disease, left radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84539A	Pathological fracture in neoplastic disease, unspecified ulna and radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84541A	Pathological fracture in neoplastic disease, right hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84542A	Pathological fracture in neoplastic disease, left hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84549A	Pathological fracture in neoplastic disease, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84550A	Pathological fracture in neoplastic disease, pelvis, initial encounter for fracture	Diagnosis	ICD-10-CM
M84551A	Pathological fracture in neoplastic disease, right femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84552A	Pathological fracture in neoplastic disease, left femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84553A	Pathological fracture in neoplastic disease, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84559A	Pathological fracture in neoplastic disease, hip, unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M84561A	Pathological fracture in neoplastic disease, right tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84562A	Pathological fracture in neoplastic disease, left tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84563A	Pathological fracture in neoplastic disease, right fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84564A	Pathological fracture in neoplastic disease, left fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84569A	Pathological fracture in neoplastic disease, unspecified tibia and fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84571A	Pathological fracture in neoplastic disease, right ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84572A	Pathological fracture in neoplastic disease, left ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84573A	Pathological fracture in neoplastic disease, unspecified ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84574A	Pathological fracture in neoplastic disease, right foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84575A	Pathological fracture in neoplastic disease, left foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84576A	Pathological fracture in neoplastic disease, unspecified foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M8458XA	Pathological fracture in neoplastic disease, other specified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M8460XA	Pathological fracture in other disease, unspecified site, initial encounter for fracture	Diagnosis	ICD-10-CM
M84611A	Pathological fracture in other disease, right shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84612A	Pathological fracture in other disease, left shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84619A	Pathological fracture in other disease, unspecified shoulder, initial encounter for fracture	Diagnosis	ICD-10-CM
M84621A	Pathological fracture in other disease, right humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84622A	Pathological fracture in other disease, left humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84629A	Pathological fracture in other disease, unspecified humerus, initial encounter for fracture	Diagnosis	ICD-10-CM
M84631A	Pathological fracture in other disease, right ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84632A	Pathological fracture in other disease, left ulna, initial encounter for fracture	Diagnosis	ICD-10-CM
M84633A	Pathological fracture in other disease, right radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84634A	Pathological fracture in other disease, left radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84639A	Pathological fracture in other disease, unspecified ulna and radius, initial encounter for fracture	Diagnosis	ICD-10-CM
M84641A	Pathological fracture in other disease, right hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84642A	Pathological fracture in other disease, left hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84649A	Pathological fracture in other disease, unspecified hand, initial encounter for fracture	Diagnosis	ICD-10-CM
M84650A	Pathological fracture in other disease, pelvis, initial encounter for fracture	Diagnosis	ICD-10-CM
M84651A	Pathological fracture in other disease, right femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84652A	Pathological fracture in other disease, left femur, initial encounter for fracture	Diagnosis	ICD-10-CM
M84653A	Pathological fracture in other disease, unspecified femur, initial encounter for fracture	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M84659A	Pathological fracture in other disease, hip, unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M84661A	Pathological fracture in other disease, right tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84662A	Pathological fracture in other disease, left tibia, initial encounter for fracture	Diagnosis	ICD-10-CM
M84663A	Pathological fracture in other disease, right fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84664A	Pathological fracture in other disease, left fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84669A	Pathological fracture in other disease, unspecified tibia and fibula, initial encounter for fracture	Diagnosis	ICD-10-CM
M84671A	Pathological fracture in other disease, right ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84672A	Pathological fracture in other disease, left ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84673A	Pathological fracture in other disease, unspecified ankle, initial encounter for fracture	Diagnosis	ICD-10-CM
M84674A	Pathological fracture in other disease, right foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84675A	Pathological fracture in other disease, left foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M84676A	Pathological fracture in other disease, unspecified foot, initial encounter for fracture	Diagnosis	ICD-10-CM
M8468XA	Pathological fracture in other disease, other site, initial encounter for fracture	Diagnosis	ICD-10-CM
M84750A	Atypical femoral fracture, unspecified, initial encounter for fracture	Diagnosis	ICD-10-CM
M84751A	Incomplete atypical femoral fracture, right leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84752A	Incomplete atypical femoral fracture, left leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84753A	Incomplete atypical femoral fracture, unspecified leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84754A	Complete transverse atypical femoral fracture, right leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84755A	Complete transverse atypical femoral fracture, left leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84756A	Complete transverse atypical femoral fracture, unspecified leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84757A	Complete oblique atypical femoral fracture, right leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84758A	Complete oblique atypical femoral fracture, left leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M84759A	Complete oblique atypical femoral fracture, unspecified leg, initial encounter for fracture	Diagnosis	ICD-10-CM
M961	Postlaminectomy syndrome, not elsewhere classified	Diagnosis	ICD-10-CM
M9920	Subluxation stenosis of neural canal of head region	Diagnosis	ICD-10-CM
M9921	Subluxation stenosis of neural canal of cervical region	Diagnosis	ICD-10-CM
M9922	Subluxation stenosis of neural canal of thoracic region	Diagnosis	ICD-10-CM
M9923	Subluxation stenosis of neural canal of lumbar region	Diagnosis	ICD-10-CM
M9924	Subluxation stenosis of neural canal of sacral region	Diagnosis	ICD-10-CM
M9925	Subluxation stenosis of neural canal of pelvic region	Diagnosis	ICD-10-CM
M9926	Subluxation stenosis of neural canal of lower extremity	Diagnosis	ICD-10-CM
M9927	Subluxation stenosis of neural canal of upper extremity	Diagnosis	ICD-10-CM
M9928	Subluxation stenosis of neural canal of rib cage	Diagnosis	ICD-10-CM
M9929	Subluxation stenosis of neural canal of abdomen and other regions	Diagnosis	ICD-10-CM
M9930	Osseous stenosis of neural canal of head region	Diagnosis	ICD-10-CM
M9931	Osseous stenosis of neural canal of cervical region	Diagnosis	ICD-10-CM
M9932	Osseous stenosis of neural canal of thoracic region	Diagnosis	ICD-10-CM
M9933	Osseous stenosis of neural canal of lumbar region	Diagnosis	ICD-10-CM
M9934	Osseous stenosis of neural canal of sacral region	Diagnosis	ICD-10-CM
M9935	Osseous stenosis of neural canal of pelvic region	Diagnosis	ICD-10-CM
M9936	Osseous stenosis of neural canal of lower extremity	Diagnosis	ICD-10-CM
M9937	Osseous stenosis of neural canal of upper extremity	Diagnosis	ICD-10-CM
M9938	Osseous stenosis of neural canal of rib cage	Diagnosis	ICD-10-CM
M9939	Osseous stenosis of neural canal of abdomen and other regions	Diagnosis	ICD-10-CM
M9940	Connective tissue stenosis of neural canal of head region	Diagnosis	ICD-10-CM
M9941	Connective tissue stenosis of neural canal of cervical region	Diagnosis	ICD-10-CM
M9942	Connective tissue stenosis of neural canal of thoracic region	Diagnosis	ICD-10-CM
M9943	Connective tissue stenosis of neural canal of lumbar region	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
M9944	Connective tissue stenosis of neural canal of sacral region	Diagnosis	ICD-10-CM
M9945	Connective tissue stenosis of neural canal of pelvic region	Diagnosis	ICD-10-CM
M9946	Connective tissue stenosis of neural canal of lower extremity	Diagnosis	ICD-10-CM
M9947	Connective tissue stenosis of neural canal of upper extremity	Diagnosis	ICD-10-CM
M9948	Connective tissue stenosis of neural canal of rib cage	Diagnosis	ICD-10-CM
M9949	Connective tissue stenosis of neural canal of abdomen and other regions	Diagnosis	ICD-10-CM
M9950	Intervertebral disc stenosis of neural canal of head region	Diagnosis	ICD-10-CM
M9951	Intervertebral disc stenosis of neural canal of cervical region	Diagnosis	ICD-10-CM
M9952	Intervertebral disc stenosis of neural canal of thoracic region	Diagnosis	ICD-10-CM
M9953	Intervertebral disc stenosis of neural canal of lumbar region	Diagnosis	ICD-10-CM
M9954	Intervertebral disc stenosis of neural canal of sacral region	Diagnosis	ICD-10-CM
M9955	Intervertebral disc stenosis of neural canal of pelvic region	Diagnosis	ICD-10-CM
M9956	Intervertebral disc stenosis of neural canal of lower extremity	Diagnosis	ICD-10-CM
M9957	Intervertebral disc stenosis of neural canal of upper extremity	Diagnosis	ICD-10-CM
M9958	Intervertebral disc stenosis of neural canal of rib cage	Diagnosis	ICD-10-CM
M9959	Intervertebral disc stenosis of neural canal of abdomen and other regions	Diagnosis	ICD-10-CM
M9960	Osseous and spondylolytic stenosis of intervertebral foramina of head region	Diagnosis	ICD-10-CM
M9961	Osseous and spondylolytic stenosis of intervertebral foramina of cervical region	Diagnosis	ICD-10-CM
M9962	Osseous and spondylolytic stenosis of intervertebral foramina of thoracic region	Diagnosis	ICD-10-CM
M9963	Osseous and spondylolytic stenosis of intervertebral foramina of lumbar region	Diagnosis	ICD-10-CM
M9964	Osseous and spondylolytic stenosis of intervertebral foramina of sacral region	Diagnosis	ICD-10-CM
M9965	Osseous and spondylolytic stenosis of intervertebral foramina of pelvic region	Diagnosis	ICD-10-CM
M9966	Osseous and spondylolytic stenosis of intervertebral foramina of lower extremity	Diagnosis	ICD-10-CM
M9967	Osseous and spondylolytic stenosis of intervertebral foramina of upper extremity	Diagnosis	ICD-10-CM
M9968	Osseous and spondylolytic stenosis of intervertebral foramina of rib cage	Diagnosis	ICD-10-CM
M9969	Osseous and spondylolytic stenosis of intervertebral foramina of abdomen and other regions	Diagnosis	ICD-10-CM
M9970	Connective tissue and disc stenosis of intervertebral foramina of head region	Diagnosis	ICD-10-CM
M9971	Connective tissue and disc stenosis of intervertebral foramina of cervical region	Diagnosis	ICD-10-CM
M9972	Connective tissue and disc stenosis of intervertebral foramina of thoracic region	Diagnosis	ICD-10-CM
M9973	Connective tissue and disc stenosis of intervertebral foramina of lumbar region	Diagnosis	ICD-10-CM
M9974	Connective tissue and disc stenosis of intervertebral foramina of sacral region	Diagnosis	ICD-10-CM
M9975	Connective tissue and disc stenosis of intervertebral foramina of pelvic region	Diagnosis	ICD-10-CM
M9976	Connective tissue and disc stenosis of intervertebral foramina of lower extremity	Diagnosis	ICD-10-CM
M9977	Connective tissue and disc stenosis of intervertebral foramina of upper extremity	Diagnosis	ICD-10-CM
M9978	Connective tissue and disc stenosis of intervertebral foramina of rib cage	Diagnosis	ICD-10-CM
M9979	Connective tissue and disc stenosis of intervertebral foramina of abdomen and other regions	Diagnosis	ICD-10-CM
R262	Difficulty in walking, not elsewhere classified	Diagnosis	ICD-10-CM
R294	Clicking hip	Diagnosis	ICD-10-CM
R29898	Other symptoms and signs involving the musculoskeletal system	Diagnosis	ICD-10-CM
Z87310	Personal history of (healed) osteoporosis fracture	Diagnosis	ICD-10-CM
Z87311	Personal history of (healed) other pathological fracture	Diagnosis	ICD-10-CM
<b>Mycoses</b>			
B350	Tinea barbae and tinea capitis	Diagnosis	ICD-10-CM
B351	Tinea unguium	Diagnosis	ICD-10-CM
B352	Tinea manuum	Diagnosis	ICD-10-CM
B353	Tinea pedis	Diagnosis	ICD-10-CM
B354	Tinea corporis	Diagnosis	ICD-10-CM
B355	Tinea imbricata	Diagnosis	ICD-10-CM



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
B356	Tinea cruris	Diagnosis	ICD-10-CM
B358	Other dermatophytoses	Diagnosis	ICD-10-CM
B359	Dermatophytosis, unspecified	Diagnosis	ICD-10-CM
B360	Pityriasis versicolor	Diagnosis	ICD-10-CM
B361	Tinea nigra	Diagnosis	ICD-10-CM
B362	White piedra	Diagnosis	ICD-10-CM
B363	Black piedra	Diagnosis	ICD-10-CM
B368	Other specified superficial mycoses	Diagnosis	ICD-10-CM
B369	Superficial mycosis, unspecified	Diagnosis	ICD-10-CM
B370	Candidal stomatitis	Diagnosis	ICD-10-CM
B372	Candidiasis of skin and nail	Diagnosis	ICD-10-CM
B373	Candidiasis of vulva and vagina	Diagnosis	ICD-10-CM
B3741	Candidal cystitis and urethritis	Diagnosis	ICD-10-CM
B3742	Candidal balanitis	Diagnosis	ICD-10-CM
B3749	Other urogenital candidiasis	Diagnosis	ICD-10-CM
B377	Candidal sepsis	Diagnosis	ICD-10-CM
B3781	Candidal esophagitis	Diagnosis	ICD-10-CM
B3782	Candidal enteritis	Diagnosis	ICD-10-CM
B3783	Candidal cheilitis	Diagnosis	ICD-10-CM
B3784	Candidal otitis externa	Diagnosis	ICD-10-CM
B3789	Other sites of candidiasis	Diagnosis	ICD-10-CM
B379	Candidiasis, unspecified	Diagnosis	ICD-10-CM
B383	Cutaneous coccidioidomycosis	Diagnosis	ICD-10-CM
B387	Disseminated coccidioidomycosis	Diagnosis	ICD-10-CM
B3881	Prostatic coccidioidomycosis	Diagnosis	ICD-10-CM
B3889	Other forms of coccidioidomycosis	Diagnosis	ICD-10-CM
B389	Coccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B393	Disseminated histoplasmosis capsulati	Diagnosis	ICD-10-CM
B394	Histoplasmosis capsulati, unspecified	Diagnosis	ICD-10-CM
B395	Histoplasmosis duboisii	Diagnosis	ICD-10-CM
B399	Histoplasmosis, unspecified	Diagnosis	ICD-10-CM
B400	Acute pulmonary blastomycosis	Diagnosis	ICD-10-CM
B401	Chronic pulmonary blastomycosis	Diagnosis	ICD-10-CM
B402	Pulmonary blastomycosis, unspecified	Diagnosis	ICD-10-CM
B403	Cutaneous blastomycosis	Diagnosis	ICD-10-CM
B407	Disseminated blastomycosis	Diagnosis	ICD-10-CM
B4081	Blastomycotic meningoencephalitis	Diagnosis	ICD-10-CM
B4089	Other forms of blastomycosis	Diagnosis	ICD-10-CM
B409	Blastomycosis, unspecified	Diagnosis	ICD-10-CM
B410	Pulmonary paracoccidioidomycosis	Diagnosis	ICD-10-CM
B417	Disseminated paracoccidioidomycosis	Diagnosis	ICD-10-CM
B418	Other forms of paracoccidioidomycosis	Diagnosis	ICD-10-CM
B419	Paracoccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B420	Pulmonary sporotrichosis	Diagnosis	ICD-10-CM
B421	Lymphocutaneous sporotrichosis	Diagnosis	ICD-10-CM
B427	Disseminated sporotrichosis	Diagnosis	ICD-10-CM
B4281	Cerebral sporotrichosis	Diagnosis	ICD-10-CM
B4282	Sporotrichosis arthritis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
B4289	Other forms of sporotrichosis	Diagnosis	ICD-10-CM
B429	Sporotrichosis, unspecified	Diagnosis	ICD-10-CM
B430	Cutaneous chromomycosis	Diagnosis	ICD-10-CM
B431	Pheomycotic brain abscess	Diagnosis	ICD-10-CM
B432	Subcutaneous pheomycotic abscess and cyst	Diagnosis	ICD-10-CM
B438	Other forms of chromomycosis	Diagnosis	ICD-10-CM
B439	Chromomycosis, unspecified	Diagnosis	ICD-10-CM
B440	Invasive pulmonary aspergillosis	Diagnosis	ICD-10-CM
B441	Other pulmonary aspergillosis	Diagnosis	ICD-10-CM
B442	Tonsillar aspergillosis	Diagnosis	ICD-10-CM
B447	Disseminated aspergillosis	Diagnosis	ICD-10-CM
B4489	Other forms of aspergillosis	Diagnosis	ICD-10-CM
B449	Aspergillosis, unspecified	Diagnosis	ICD-10-CM
B450	Pulmonary cryptococcosis	Diagnosis	ICD-10-CM
B451	Cerebral cryptococcosis	Diagnosis	ICD-10-CM
B452	Cutaneous cryptococcosis	Diagnosis	ICD-10-CM
B453	Osseous cryptococcosis	Diagnosis	ICD-10-CM
B457	Disseminated cryptococcosis	Diagnosis	ICD-10-CM
B458	Other forms of cryptococcosis	Diagnosis	ICD-10-CM
B459	Cryptococcosis, unspecified	Diagnosis	ICD-10-CM
B460	Pulmonary mucormycosis	Diagnosis	ICD-10-CM
B461	Rhinocerebral mucormycosis	Diagnosis	ICD-10-CM
B462	Gastrointestinal mucormycosis	Diagnosis	ICD-10-CM
B463	Cutaneous mucormycosis	Diagnosis	ICD-10-CM
B464	Disseminated mucormycosis	Diagnosis	ICD-10-CM
B465	Mucormycosis, unspecified	Diagnosis	ICD-10-CM
B468	Other zygomycoses	Diagnosis	ICD-10-CM
B469	Zygomycosis, unspecified	Diagnosis	ICD-10-CM
B470	Eumycetoma	Diagnosis	ICD-10-CM
B480	Lobomycosis	Diagnosis	ICD-10-CM
B481	Rhinosporidiosis	Diagnosis	ICD-10-CM
B482	Allescheriasis	Diagnosis	ICD-10-CM
B483	Geotrichosis	Diagnosis	ICD-10-CM
B484	Penicillois	Diagnosis	ICD-10-CM
B488	Other specified mycoses	Diagnosis	ICD-10-CM
B49	Unspecified mycosis	Diagnosis	ICD-10-CM
<b>Paranoia</b>			
F060	Psychotic disorder with hallucinations due to known physiological condition	Diagnosis	ICD-10-CM
F062	Psychotic disorder with delusions due to known physiological condition	Diagnosis	ICD-10-CM
F200	Paranoid schizophrenia	Diagnosis	ICD-10-CM
F201	Disorganized schizophrenia	Diagnosis	ICD-10-CM
F202	Catatonic schizophrenia	Diagnosis	ICD-10-CM
F203	Undifferentiated schizophrenia	Diagnosis	ICD-10-CM
F205	Residual schizophrenia	Diagnosis	ICD-10-CM
F2081	Schizophreniform disorder	Diagnosis	ICD-10-CM
F2089	Other schizophrenia	Diagnosis	ICD-10-CM
F209	Schizophrenia, unspecified	Diagnosis	ICD-10-CM
F22	Delusional disorders	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
F23	Brief psychotic disorder	Diagnosis	ICD-10-CM
F24	Shared psychotic disorder	Diagnosis	ICD-10-CM
F250	Schizoaffective disorder, bipolar type	Diagnosis	ICD-10-CM
F251	Schizoaffective disorder, depressive type	Diagnosis	ICD-10-CM
F258	Other schizoaffective disorders	Diagnosis	ICD-10-CM
F259	Schizoaffective disorder, unspecified	Diagnosis	ICD-10-CM
F28	Other psychotic disorder not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F29	Unspecified psychosis not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F333	Major depressive disorder, recurrent, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F4489	Other dissociative and conversion disorders	Diagnosis	ICD-10-CM
<b>Parkinson's disease</b>			
G20	Parkinson's disease	Diagnosis	ICD-10-CM
<b>Pneumonia</b>			
A0222	Salmonella pneumonia	Diagnosis	ICD-10-CM
A202	Pneumonic plague	Diagnosis	ICD-10-CM
A212	Pulmonary tularemia	Diagnosis	ICD-10-CM
A221	Pulmonary anthrax	Diagnosis	ICD-10-CM
A310	Pulmonary mycobacterial infection	Diagnosis	ICD-10-CM
A3701	Whooping cough due to Bordetella pertussis with pneumonia	Diagnosis	ICD-10-CM
A3711	Whooping cough due to Bordetella parapertussis with pneumonia	Diagnosis	ICD-10-CM
A3781	Whooping cough due to other Bordetella species with pneumonia	Diagnosis	ICD-10-CM
A3791	Whooping cough, unspecified species with pneumonia	Diagnosis	ICD-10-CM
A420	Pulmonary actinomycosis	Diagnosis	ICD-10-CM
A430	Pulmonary nocardiosis	Diagnosis	ICD-10-CM
A481	Legionnaires' disease	Diagnosis	ICD-10-CM
A70	Chlamydia psittaci infections	Diagnosis	ICD-10-CM
A78	Q fever	Diagnosis	ICD-10-CM
B012	Varicella pneumonia	Diagnosis	ICD-10-CM
B052	Measles complicated by pneumonia	Diagnosis	ICD-10-CM
B250	Cytomegaloviral pneumonitis	Diagnosis	ICD-10-CM
B371	Pulmonary candidiasis	Diagnosis	ICD-10-CM
B380	Acute pulmonary coccidioidomycosis	Diagnosis	ICD-10-CM
B381	Chronic pulmonary coccidioidomycosis	Diagnosis	ICD-10-CM
B382	Pulmonary coccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B390	Acute pulmonary histoplasmosis capsulati	Diagnosis	ICD-10-CM
B391	Chronic pulmonary histoplasmosis capsulati	Diagnosis	ICD-10-CM
B392	Pulmonary histoplasmosis capsulati, unspecified	Diagnosis	ICD-10-CM
B395	Histoplasmosis duboisii	Diagnosis	ICD-10-CM
B399	Histoplasmosis, unspecified	Diagnosis	ICD-10-CM
B440	Invasive pulmonary aspergillosis	Diagnosis	ICD-10-CM
B583	Pulmonary toxoplasmosis	Diagnosis	ICD-10-CM
B59	Pneumocystosis	Diagnosis	ICD-10-CM
B7781	Ascariasis pneumonia	Diagnosis	ICD-10-CM
J120	Adenoviral pneumonia	Diagnosis	ICD-10-CM
J121	Respiratory syncytial virus pneumonia	Diagnosis	ICD-10-CM
J122	Parainfluenza virus pneumonia	Diagnosis	ICD-10-CM
J123	Human metapneumovirus pneumonia	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J1281	Pneumonia due to SARS-associated coronavirus	Diagnosis	ICD-10-CM
J1289	Other viral pneumonia	Diagnosis	ICD-10-CM
J129	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J13	Pneumonia due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J150	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-10-CM
J151	Pneumonia due to Pseudomonas	Diagnosis	ICD-10-CM
J1520	Pneumonia due to staphylococcus, unspecified	Diagnosis	ICD-10-CM
J15211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
J15212	Pneumonia due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
J1529	Pneumonia due to other staphylococcus	Diagnosis	ICD-10-CM
J153	Pneumonia due to streptococcus, group B	Diagnosis	ICD-10-CM
J154	Pneumonia due to other streptococci	Diagnosis	ICD-10-CM
J155	Pneumonia due to Escherichia coli	Diagnosis	ICD-10-CM
J156	Pneumonia due to other Gram-negative bacteria	Diagnosis	ICD-10-CM
J157	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J158	Pneumonia due to other specified bacteria	Diagnosis	ICD-10-CM
J159	Unspecified bacterial pneumonia	Diagnosis	ICD-10-CM
J160	Chlamydial pneumonia	Diagnosis	ICD-10-CM
J168	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
J17	Pneumonia in diseases classified elsewhere	Diagnosis	ICD-10-CM
J180	Bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J181	Lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J188	Other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J189	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J850	Gangrene and necrosis of lung	Diagnosis	ICD-10-CM
J851	Abscess of lung with pneumonia	Diagnosis	ICD-10-CM
<b>Skin or soft tissue infections</b>			
A201	Cellulocutaneous plague	Diagnosis	ICD-10-CM
A210	Ulceroglandular tularemia	Diagnosis	ICD-10-CM
A220	Cutaneous anthrax	Diagnosis	ICD-10-CM
A311	Cutaneous mycobacterial infection	Diagnosis	ICD-10-CM
A363	Cutaneous diphtheria	Diagnosis	ICD-10-CM
A431	Cutaneous nocardiosis	Diagnosis	ICD-10-CM
A46	Erysipelas	Diagnosis	ICD-10-CM
B781	Cutaneous strongyloidiasis	Diagnosis	ICD-10-CM
E832	Disorders of zinc metabolism	Diagnosis	ICD-10-CM
K122	Cellulitis and abscess of mouth	Diagnosis	ICD-10-CM
L0100	Impetigo, unspecified	Diagnosis	ICD-10-CM
L0101	Non-bullous impetigo	Diagnosis	ICD-10-CM
L0102	Bockhart's impetigo	Diagnosis	ICD-10-CM
L0103	Bullous impetigo	Diagnosis	ICD-10-CM
L0109	Other impetigo	Diagnosis	ICD-10-CM
L011	Impetiginization of other dermatoses	Diagnosis	ICD-10-CM
L0201	Cutaneous abscess of face	Diagnosis	ICD-10-CM
L0202	Furuncle of face	Diagnosis	ICD-10-CM
L0203	Carbuncle of face	Diagnosis	ICD-10-CM
L0211	Cutaneous abscess of neck	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L0212	Furuncle of neck	Diagnosis	ICD-10-CM
L0213	Carbuncle of neck	Diagnosis	ICD-10-CM
L02211	Cutaneous abscess of abdominal wall	Diagnosis	ICD-10-CM
L02212	Cutaneous abscess of back [any part, except buttock]	Diagnosis	ICD-10-CM
L02213	Cutaneous abscess of chest wall	Diagnosis	ICD-10-CM
L02214	Cutaneous abscess of groin	Diagnosis	ICD-10-CM
L02215	Cutaneous abscess of perineum	Diagnosis	ICD-10-CM
L02216	Cutaneous abscess of umbilicus	Diagnosis	ICD-10-CM
L02219	Cutaneous abscess of trunk, unspecified	Diagnosis	ICD-10-CM
L02221	Furuncle of abdominal wall	Diagnosis	ICD-10-CM
L02222	Furuncle of back [any part, except buttock]	Diagnosis	ICD-10-CM
L02223	Furuncle of chest wall	Diagnosis	ICD-10-CM
L02224	Furuncle of groin	Diagnosis	ICD-10-CM
L02225	Furuncle of perineum	Diagnosis	ICD-10-CM
L02226	Furuncle of umbilicus	Diagnosis	ICD-10-CM
L02229	Furuncle of trunk, unspecified	Diagnosis	ICD-10-CM
L02231	Carbuncle of abdominal wall	Diagnosis	ICD-10-CM
L02232	Carbuncle of back [any part, except buttock]	Diagnosis	ICD-10-CM
L02233	Carbuncle of chest wall	Diagnosis	ICD-10-CM
L02234	Carbuncle of groin	Diagnosis	ICD-10-CM
L02235	Carbuncle of perineum	Diagnosis	ICD-10-CM
L02236	Carbuncle of umbilicus	Diagnosis	ICD-10-CM
L02239	Carbuncle of trunk, unspecified	Diagnosis	ICD-10-CM
L0231	Cutaneous abscess of buttock	Diagnosis	ICD-10-CM
L0232	Furuncle of buttock	Diagnosis	ICD-10-CM
L0233	Carbuncle of buttock	Diagnosis	ICD-10-CM
L02411	Cutaneous abscess of right axilla	Diagnosis	ICD-10-CM
L02412	Cutaneous abscess of left axilla	Diagnosis	ICD-10-CM
L02413	Cutaneous abscess of right upper limb	Diagnosis	ICD-10-CM
L02414	Cutaneous abscess of left upper limb	Diagnosis	ICD-10-CM
L02415	Cutaneous abscess of right lower limb	Diagnosis	ICD-10-CM
L02416	Cutaneous abscess of left lower limb	Diagnosis	ICD-10-CM
L02419	Cutaneous abscess of limb, unspecified	Diagnosis	ICD-10-CM
L02421	Furuncle of right axilla	Diagnosis	ICD-10-CM
L02422	Furuncle of left axilla	Diagnosis	ICD-10-CM
L02423	Furuncle of right upper limb	Diagnosis	ICD-10-CM
L02424	Furuncle of left upper limb	Diagnosis	ICD-10-CM
L02425	Furuncle of right lower limb	Diagnosis	ICD-10-CM
L02426	Furuncle of left lower limb	Diagnosis	ICD-10-CM
L02429	Furuncle of limb, unspecified	Diagnosis	ICD-10-CM
L02431	Carbuncle of right axilla	Diagnosis	ICD-10-CM
L02432	Carbuncle of left axilla	Diagnosis	ICD-10-CM
L02433	Carbuncle of right upper limb	Diagnosis	ICD-10-CM
L02434	Carbuncle of left upper limb	Diagnosis	ICD-10-CM
L02435	Carbuncle of right lower limb	Diagnosis	ICD-10-CM
L02436	Carbuncle of left lower limb	Diagnosis	ICD-10-CM
L02439	Carbuncle of limb, unspecified	Diagnosis	ICD-10-CM
L02511	Cutaneous abscess of right hand	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L02512	Cutaneous abscess of left hand	Diagnosis	ICD-10-CM
L02519	Cutaneous abscess of unspecified hand	Diagnosis	ICD-10-CM
L02521	Furuncle right hand	Diagnosis	ICD-10-CM
L02522	Furuncle left hand	Diagnosis	ICD-10-CM
L02529	Furuncle unspecified hand	Diagnosis	ICD-10-CM
L02531	Carbuncle of right hand	Diagnosis	ICD-10-CM
L02532	Carbuncle of left hand	Diagnosis	ICD-10-CM
L02539	Carbuncle of unspecified hand	Diagnosis	ICD-10-CM
L02611	Cutaneous abscess of right foot	Diagnosis	ICD-10-CM
L02612	Cutaneous abscess of left foot	Diagnosis	ICD-10-CM
L02619	Cutaneous abscess of unspecified foot	Diagnosis	ICD-10-CM
L02621	Furuncle of right foot	Diagnosis	ICD-10-CM
L02622	Furuncle of left foot	Diagnosis	ICD-10-CM
L02629	Furuncle of unspecified foot	Diagnosis	ICD-10-CM
L02631	Carbuncle of right foot	Diagnosis	ICD-10-CM
L02632	Carbuncle of left foot	Diagnosis	ICD-10-CM
L02639	Carbuncle of unspecified foot	Diagnosis	ICD-10-CM
L02811	Cutaneous abscess of head [any part, except face]	Diagnosis	ICD-10-CM
L02818	Cutaneous abscess of other sites	Diagnosis	ICD-10-CM
L02821	Furuncle of head [any part, except face]	Diagnosis	ICD-10-CM
L02828	Furuncle of other sites	Diagnosis	ICD-10-CM
L02831	Carbuncle of head [any part, except face]	Diagnosis	ICD-10-CM
L02838	Carbuncle of other sites	Diagnosis	ICD-10-CM
L0291	Cutaneous abscess, unspecified	Diagnosis	ICD-10-CM
L0292	Furuncle, unspecified	Diagnosis	ICD-10-CM
L0293	Carbuncle, unspecified	Diagnosis	ICD-10-CM
L03011	Cellulitis of right finger	Diagnosis	ICD-10-CM
L03012	Cellulitis of left finger	Diagnosis	ICD-10-CM
L03019	Cellulitis of unspecified finger	Diagnosis	ICD-10-CM
L03021	Acute lymphangitis of right finger	Diagnosis	ICD-10-CM
L03022	Acute lymphangitis of left finger	Diagnosis	ICD-10-CM
L03029	Acute lymphangitis of unspecified finger	Diagnosis	ICD-10-CM
L03031	Cellulitis of right toe	Diagnosis	ICD-10-CM
L03032	Cellulitis of left toe	Diagnosis	ICD-10-CM
L03039	Cellulitis of unspecified toe	Diagnosis	ICD-10-CM
L03041	Acute lymphangitis of right toe	Diagnosis	ICD-10-CM
L03042	Acute lymphangitis of left toe	Diagnosis	ICD-10-CM
L03049	Acute lymphangitis of unspecified toe	Diagnosis	ICD-10-CM
L03111	Cellulitis of right axilla	Diagnosis	ICD-10-CM
L03112	Cellulitis of left axilla	Diagnosis	ICD-10-CM
L03113	Cellulitis of right upper limb	Diagnosis	ICD-10-CM
L03114	Cellulitis of left upper limb	Diagnosis	ICD-10-CM
L03115	Cellulitis of right lower limb	Diagnosis	ICD-10-CM
L03116	Cellulitis of left lower limb	Diagnosis	ICD-10-CM
L03119	Cellulitis of unspecified part of limb	Diagnosis	ICD-10-CM
L03121	Acute lymphangitis of right axilla	Diagnosis	ICD-10-CM
L03122	Acute lymphangitis of left axilla	Diagnosis	ICD-10-CM
L03123	Acute lymphangitis of right upper limb	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
L03124	Acute lymphangitis of left upper limb	Diagnosis	ICD-10-CM
L03125	Acute lymphangitis of right lower limb	Diagnosis	ICD-10-CM
L03126	Acute lymphangitis of left lower limb	Diagnosis	ICD-10-CM
L03129	Acute lymphangitis of unspecified part of limb	Diagnosis	ICD-10-CM
L03211	Cellulitis of face	Diagnosis	ICD-10-CM
L03212	Acute lymphangitis of face	Diagnosis	ICD-10-CM
L03213	Periorbital cellulitis	Diagnosis	ICD-10-CM
L03221	Cellulitis of neck	Diagnosis	ICD-10-CM
L03222	Acute lymphangitis of neck	Diagnosis	ICD-10-CM
L03311	Cellulitis of abdominal wall	Diagnosis	ICD-10-CM
L03312	Cellulitis of back [any part except buttock]	Diagnosis	ICD-10-CM
L03313	Cellulitis of chest wall	Diagnosis	ICD-10-CM
L03314	Cellulitis of groin	Diagnosis	ICD-10-CM
L03315	Cellulitis of perineum	Diagnosis	ICD-10-CM
L03316	Cellulitis of umbilicus	Diagnosis	ICD-10-CM
L03317	Cellulitis of buttock	Diagnosis	ICD-10-CM
L03319	Cellulitis of trunk, unspecified	Diagnosis	ICD-10-CM
L03321	Acute lymphangitis of abdominal wall	Diagnosis	ICD-10-CM
L03322	Acute lymphangitis of back [any part except buttock]	Diagnosis	ICD-10-CM
L03323	Acute lymphangitis of chest wall	Diagnosis	ICD-10-CM
L03324	Acute lymphangitis of groin	Diagnosis	ICD-10-CM
L03325	Acute lymphangitis of perineum	Diagnosis	ICD-10-CM
L03326	Acute lymphangitis of umbilicus	Diagnosis	ICD-10-CM
L03327	Acute lymphangitis of buttock	Diagnosis	ICD-10-CM
L03329	Acute lymphangitis of trunk, unspecified	Diagnosis	ICD-10-CM
L03811	Cellulitis of head [any part, except face]	Diagnosis	ICD-10-CM
L03818	Cellulitis of other sites	Diagnosis	ICD-10-CM
L03891	Acute lymphangitis of head [any part, except face]	Diagnosis	ICD-10-CM
L03898	Acute lymphangitis of other sites	Diagnosis	ICD-10-CM
L0390	Cellulitis, unspecified	Diagnosis	ICD-10-CM
L0391	Acute lymphangitis, unspecified	Diagnosis	ICD-10-CM
L0501	Pilonidal cyst with abscess	Diagnosis	ICD-10-CM
L0502	Pilonidal sinus with abscess	Diagnosis	ICD-10-CM
L0591	Pilonidal cyst without abscess	Diagnosis	ICD-10-CM
L0592	Pilonidal sinus without abscess	Diagnosis	ICD-10-CM
L080	Pyoderma	Diagnosis	ICD-10-CM
L081	Erythrasma	Diagnosis	ICD-10-CM
L0881	Pyoderma vegetans	Diagnosis	ICD-10-CM
L0882	Omphalitis not of newborn	Diagnosis	ICD-10-CM
L0889	Other specified local infections of the skin and subcutaneous tissue	Diagnosis	ICD-10-CM
L089	Local infection of the skin and subcutaneous tissue, unspecified	Diagnosis	ICD-10-CM
L88	Pyoderma gangrenosum	Diagnosis	ICD-10-CM
L928	Other granulomatous disorders of the skin and subcutaneous tissue	Diagnosis	ICD-10-CM
L980	Pyogenic granuloma	Diagnosis	ICD-10-CM
L983	Eosinophilic cellulitis [Wells]	Diagnosis	ICD-10-CM
<b>Stroke</b>			
G43601	Persistent migraine aura with cerebral infarction, not intractable, with status migrainosus	Diagnosis	ICD-10-CM
G43609	Persistent migraine aura with cerebral infarction, not intractable, without status migrainosus	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
G43611	Persistent migraine aura with cerebral infarction, intractable, with status migrainosus	Diagnosis	ICD-10-CM
G43619	Persistent migraine aura with cerebral infarction, intractable, without status migrainosus	Diagnosis	ICD-10-CM
I6000	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6001	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6002	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I6010	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6011	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	Diagnosis	ICD-10-CM
I6012	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	Diagnosis	ICD-10-CM
I602	Nontraumatic subarachnoid hemorrhage from anterior communicating artery	Diagnosis	ICD-10-CM
I6020	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating artery	Diagnosis	ICD-10-CM
I6021	Nontraumatic subarachnoid hemorrhage from right anterior communicating artery	Diagnosis	ICD-10-CM
I6022	Nontraumatic subarachnoid hemorrhage from left anterior communicating artery	Diagnosis	ICD-10-CM
I6030	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	Diagnosis	ICD-10-CM
I6031	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	Diagnosis	ICD-10-CM
I6032	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	Diagnosis	ICD-10-CM
I604	Nontraumatic subarachnoid hemorrhage from basilar artery	Diagnosis	ICD-10-CM
I6050	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	Diagnosis	ICD-10-CM
I6051	Nontraumatic subarachnoid hemorrhage from right vertebral artery	Diagnosis	ICD-10-CM
I6052	Nontraumatic subarachnoid hemorrhage from left vertebral artery	Diagnosis	ICD-10-CM
I606	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	Diagnosis	ICD-10-CM
I607	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	Diagnosis	ICD-10-CM
I608	Other nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I609	Nontraumatic subarachnoid hemorrhage, unspecified	Diagnosis	ICD-10-CM
I610	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	Diagnosis	ICD-10-CM
I611	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	Diagnosis	ICD-10-CM
I612	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	Diagnosis	ICD-10-CM
I613	Nontraumatic intracerebral hemorrhage in brain stem	Diagnosis	ICD-10-CM
I614	Nontraumatic intracerebral hemorrhage in cerebellum	Diagnosis	ICD-10-CM
I615	Nontraumatic intracerebral hemorrhage, intraventricular	Diagnosis	ICD-10-CM
I616	Nontraumatic intracerebral hemorrhage, multiple localized	Diagnosis	ICD-10-CM
I618	Other nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I619	Nontraumatic intracerebral hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6200	Nontraumatic subdural hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6201	Nontraumatic acute subdural hemorrhage	Diagnosis	ICD-10-CM
I6202	Nontraumatic subacute subdural hemorrhage	Diagnosis	ICD-10-CM
I6203	Nontraumatic chronic subdural hemorrhage	Diagnosis	ICD-10-CM
I621	Nontraumatic extradural hemorrhage	Diagnosis	ICD-10-CM
I629	Nontraumatic intracranial hemorrhage, unspecified	Diagnosis	ICD-10-CM
I6300	Cerebral infarction due to thrombosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I63011	Cerebral infarction due to thrombosis of right vertebral artery	Diagnosis	ICD-10-CM
I63012	Cerebral infarction due to thrombosis of left vertebral artery	Diagnosis	ICD-10-CM
I63013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63019	Cerebral infarction due to thrombosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6302	Cerebral infarction due to thrombosis of basilar artery	Diagnosis	ICD-10-CM
I63031	Cerebral infarction due to thrombosis of right carotid artery	Diagnosis	ICD-10-CM
I63032	Cerebral infarction due to thrombosis of left carotid artery	Diagnosis	ICD-10-CM
I63033	Cerebral infarction due to thrombosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63039	Cerebral infarction due to thrombosis of unspecified carotid artery	Diagnosis	ICD-10-CM



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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6309	Cerebral infarction due to thrombosis of other precerebral artery	Diagnosis	ICD-10-CM
I6310	Cerebral infarction due to embolism of unspecified precerebral artery	Diagnosis	ICD-10-CM
I63111	Cerebral infarction due to embolism of right vertebral artery	Diagnosis	ICD-10-CM
I63112	Cerebral infarction due to embolism of left vertebral artery	Diagnosis	ICD-10-CM
I63113	Cerebral infarction due to embolism of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63119	Cerebral infarction due to embolism of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6312	Cerebral infarction due to embolism of basilar artery	Diagnosis	ICD-10-CM
I63131	Cerebral infarction due to embolism of right carotid artery	Diagnosis	ICD-10-CM
I63132	Cerebral infarction due to embolism of left carotid artery	Diagnosis	ICD-10-CM
I63133	Cerebral infarction due to embolism of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63139	Cerebral infarction due to embolism of unspecified carotid artery	Diagnosis	ICD-10-CM
I6319	Cerebral infarction due to embolism of other precerebral artery	Diagnosis	ICD-10-CM
I6320	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arterie	Diagnosis	ICD-10-CM
I63211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral artery	Diagnosis	ICD-10-CM
I63212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery	Diagnosis	ICD-10-CM
I63213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I6322	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery	Diagnosis	ICD-10-CM
I63231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	Diagnosis	ICD-10-CM
I63232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	Diagnosis	ICD-10-CM
I63233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	Diagnosis	ICD-10-CM
I63239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid artery	Diagnosis	ICD-10-CM
I6329	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
I6330	Cerebral infarction due to thrombosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I63311	Cerebral infarction due to thrombosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63312	Cerebral infarction due to thrombosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I63321	Cerebral infarction due to thrombosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63322	Cerebral infarction due to thrombosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I63331	Cerebral infarction due to thrombosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63332	Cerebral infarction due to thrombosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63333	Cerebral infarction due to thrombosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I63341	Cerebral infarction due to thrombosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63342	Cerebral infarction due to thrombosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63343	Cerebral infarction due to thrombosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6339	Cerebral infarction due to thrombosis of other cerebral artery	Diagnosis	ICD-10-CM
I6340	Cerebral infarction due to embolism of unspecified cerebral artery	Diagnosis	ICD-10-CM
I63411	Cerebral infarction due to embolism of right middle cerebral artery	Diagnosis	ICD-10-CM
I63412	Cerebral infarction due to embolism of left middle cerebral artery	Diagnosis	ICD-10-CM
I63413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63419	Cerebral infarction due to embolism of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I63421	Cerebral infarction due to embolism of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63422	Cerebral infarction due to embolism of left anterior cerebral artery	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I63423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I63431	Cerebral infarction due to embolism of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63432	Cerebral infarction due to embolism of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I63441	Cerebral infarction due to embolism of right cerebellar artery	Diagnosis	ICD-10-CM
I63442	Cerebral infarction due to embolism of left cerebellar artery	Diagnosis	ICD-10-CM
I63443	Cerebral infarction due to embolism of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63449	Cerebral infarction due to embolism of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6349	Cerebral infarction due to embolism of other cerebral artery	Diagnosis	ICD-10-CM
I6350	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I63511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I63521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I63531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I63541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	Diagnosis	ICD-10-CM
I63542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I6359	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	Diagnosis	ICD-10-CM
I636	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	Diagnosis	ICD-10-CM
I638	Other cerebral infarction	Diagnosis	ICD-10-CM
I639	Cerebral infarction, unspecified	Diagnosis	ICD-10-CM
I6601	Occlusion and stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I6602	Occlusion and stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I6603	Occlusion and stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I6609	Occlusion and stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I6611	Occlusion and stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I6612	Occlusion and stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I6613	Occlusion and stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I6619	Occlusion and stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I6621	Occlusion and stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
I6622	Occlusion and stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
I6623	Occlusion and stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I6629	Occlusion and stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I663	Occlusion and stenosis of cerebellar arteries	Diagnosis	ICD-10-CM
I668	Occlusion and stenosis of other cerebral arteries	Diagnosis	ICD-10-CM
I669	Occlusion and stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I6789	Other cerebrovascular disease	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6900	Unspecified sequelae of nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I6901	Cognitive deficits following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69010	Attention and concentration deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69011	Memory deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69012	Visuospatial deficit and spatial neglect following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69013	Psychomotor deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69014	Frontal lobe and executive function deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69015	Cognitive social or emotional deficit following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69018	Other symptoms and signs involving cognitive functions following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69019	Unspecified symptoms and signs involving cognitive functions following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69020	Aphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69021	Dysphasia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69022	Dysarthria following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69023	Fluency disorder following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69028	Other speech and language deficits following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69041	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69042	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69043	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69044	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69049	Monoplegia of lower limb following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69061	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69062	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69063	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69064	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69065	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage, bilateral	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69069	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69090	Apraxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69091	Dysphagia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69092	Facial weakness following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69093	Ataxia following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I69098	Other sequelae following nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I6910	Unspecified sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I6911	Cognitive deficits following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69110	Attention and concentration deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69111	Memory deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69112	Visuospatial deficit and spatial neglect following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69113	Psychomotor deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69114	Frontal lobe and executive function deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69115	Cognitive social or emotional deficit following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69118	Other symptoms and signs involving cognitive functions following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69119	Unspecified symptoms and signs involving cognitive functions following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69120	Aphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69121	Dysphasia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69122	Dysarthria following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69123	Fluency disorder following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69128	Other speech and language deficits following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69141	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69142	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69143	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69144	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69149	Monoplegia of lower limb following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69161	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69162	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69163	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69164	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69165	Other paralytic syndrome following nontraumatic intracerebral hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69169	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69190	Apraxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69191	Dysphagia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69192	Facial weakness following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69193	Ataxia following nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I69198	Other sequelae of nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I6920	Unspecified sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6921	Cognitive deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69210	Attention and concentration deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69211	Memory deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69212	Visuospatial deficit and spatial neglect following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69213	Psychomotor deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69214	Frontal lobe and executive function deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69215	Cognitive social or emotional deficit following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69218	Other symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69219	Unspecified symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69220	Aphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69221	Dysphasia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69222	Dysarthria following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69223	Fluency disorder following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69228	Other speech and language deficits following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69241	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69242	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69243	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69244	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69249	Monoplegia of lower limb following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69261	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right dominant side	Diagnosis	ICD-10-CM
I69262	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left dominant side	Diagnosis	ICD-10-CM
I69263	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right non-dominant side	Diagnosis	ICD-10-CM
I69264	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left non-dominant side	Diagnosis	ICD-10-CM
I69265	Other paralytic syndrome following other nontraumatic intracranial hemorrhage, bilateral	Diagnosis	ICD-10-CM
I69269	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting unspecified side	Diagnosis	ICD-10-CM
I69290	Apraxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69291	Dysphagia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69292	Facial weakness following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69293	Ataxia following other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I69298	Other sequelae of other nontraumatic intracranial hemorrhage	Diagnosis	ICD-10-CM
I6930	Unspecified sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6931	Cognitive deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69310	Attention and concentration deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69311	Memory deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69312	Visuospatial deficit and spatial neglect following cerebral infarction	Diagnosis	ICD-10-CM
I69313	Psychomotor deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69314	Frontal lobe and executive function deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69315	Cognitive social or emotional deficit following cerebral infarction	Diagnosis	ICD-10-CM
I69318	Other symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69319	Unspecified symptoms and signs involving cognitive functions following cerebral infarction	Diagnosis	ICD-10-CM
I69320	Aphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69321	Dysphasia following cerebral infarction	Diagnosis	ICD-10-CM
I69322	Dysarthria following cerebral infarction	Diagnosis	ICD-10-CM
I69323	Fluency disorder following cerebral infarction	Diagnosis	ICD-10-CM
I69328	Other speech and language deficits following cerebral infarction	Diagnosis	ICD-10-CM
I69341	Monoplegia of lower limb following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69342	Monoplegia of lower limb following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69343	Monoplegia of lower limb following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69344	Monoplegia of lower limb following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69349	Monoplegia of lower limb following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM
I69354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69361	Other paralytic syndrome following cerebral infarction affecting right dominant side	Diagnosis	ICD-10-CM
I69362	Other paralytic syndrome following cerebral infarction affecting left dominant side	Diagnosis	ICD-10-CM
I69363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side	Diagnosis	ICD-10-CM

**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side	Diagnosis	ICD-10-CM
I69365	Other paralytic syndrome following cerebral infarction, bilateral	Diagnosis	ICD-10-CM
I69369	Other paralytic syndrome following cerebral infarction affecting unspecified side	Diagnosis	ICD-10-CM
I69390	Apraxia following cerebral infarction	Diagnosis	ICD-10-CM
I69391	Dysphagia following cerebral infarction	Diagnosis	ICD-10-CM
I69392	Facial weakness following cerebral infarction	Diagnosis	ICD-10-CM
I69393	Ataxia following cerebral infarction	Diagnosis	ICD-10-CM
I69398	Other sequelae of cerebral infarction	Diagnosis	ICD-10-CM
I6980	Unspecified sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM
I6981	Cognitive deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69810	Attention and concentration deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69811	Memory deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69812	Visuospatial deficit and spatial neglect following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69813	Psychomotor deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69814	Frontal lobe and executive function deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69815	Cognitive social or emotional deficit following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69818	Other symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69819	Unspecified symptoms and signs involving cognitive functions following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69820	Aphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69821	Dysphasia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69822	Dysarthria following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69823	Fluency disorder following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69828	Other speech and language deficits following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69841	Monoplegia of lower limb following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69842	Monoplegia of lower limb following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69843	Monoplegia of lower limb following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69844	Monoplegia of lower limb following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69849	Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69863	Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69865	Other paralytic syndrome following other cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69869	Other paralytic syndrome following other cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69890	Apraxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69891	Dysphagia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69892	Facial weakness following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69893	Ataxia following other cerebrovascular disease	Diagnosis	ICD-10-CM
I69898	Other sequelae of other cerebrovascular disease	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I6990	Unspecified sequelae of unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I6991	Cognitive deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69910	Attention and concentration deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69911	Memory deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69912	Visuospatial deficit and spatial neglect following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69913	Psychomotor deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69914	Frontal lobe and executive function deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69915	Cognitive social or emotional deficit following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69918	Other symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69919	Unspecified symptoms and signs involving cognitive functions following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69920	Aphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69921	Dysphasia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69922	Dysarthria following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69923	Fluency disorder following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69928	Other speech and language deficits following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69941	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69942	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left	Diagnosis	ICD-10-CM
I69943	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69944	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69949	Monoplegia of lower limb following unspecified cerebrovascular disease affecting	Diagnosis	ICD-10-CM
I69951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side	Diagnosis	ICD-10-CM
I69953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69961	Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side	Diagnosis	ICD-10-CM
I69962	Other paralytic syndrome following unspecified cerebrovascular disease affecting left	Diagnosis	ICD-10-CM
I69963	Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side	Diagnosis	ICD-10-CM
I69964	Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side	Diagnosis	ICD-10-CM
I69965	Other paralytic syndrome following unspecified cerebrovascular disease, bilateral	Diagnosis	ICD-10-CM
I69969	Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side	Diagnosis	ICD-10-CM
I69990	Apraxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69991	Dysphagia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69992	Facial weakness following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM



**Appendix J. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Category II (CPT-2), Current Procedural Terminology, Category III (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Baseline Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
I69993	Ataxia following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
I69998	Other sequelae following unspecified cerebrovascular disease	Diagnosis	ICD-10-CM
<b>Urinary tract infection</b>			
A3685	Diphtheritic cystitis	Diagnosis	ICD-10-CM
A5601	Chlamydial cystitis and urethritis	Diagnosis	ICD-10-CM
N10	Acute pyelonephritis	Diagnosis	ICD-10-CM
N110	Nonobstructive reflux-associated chronic pyelonephritis	Diagnosis	ICD-10-CM
N111	Chronic obstructive pyelonephritis	Diagnosis	ICD-10-CM
N118	Other chronic tubulo-interstitial nephritis	Diagnosis	ICD-10-CM
N119	Chronic tubulo-interstitial nephritis, unspecified	Diagnosis	ICD-10-CM
N12	Tubulo-interstitial nephritis, not specified as acute or chronic	Diagnosis	ICD-10-CM
N136	Pyonephrosis	Diagnosis	ICD-10-CM
N151	Renal and perinephric abscess	Diagnosis	ICD-10-CM
N159	Renal tubulo-interstitial disease, unspecified	Diagnosis	ICD-10-CM
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N2884	Pyelitis cystica	Diagnosis	ICD-10-CM
N2885	Pyeloureteritis cystica	Diagnosis	ICD-10-CM
N2886	Ureteritis cystica	Diagnosis	ICD-10-CM
N3000	Acute cystitis without hematuria	Diagnosis	ICD-10-CM
N3001	Acute cystitis with hematuria	Diagnosis	ICD-10-CM
N3010	Interstitial cystitis (chronic) without hematuria	Diagnosis	ICD-10-CM
N3011	Interstitial cystitis (chronic) with hematuria	Diagnosis	ICD-10-CM
N3020	Other chronic cystitis without hematuria	Diagnosis	ICD-10-CM
N3021	Other chronic cystitis with hematuria	Diagnosis	ICD-10-CM
N3030	Trigonitis without hematuria	Diagnosis	ICD-10-CM
N3031	Trigonitis with hematuria	Diagnosis	ICD-10-CM
N3040	Irradiation cystitis without hematuria	Diagnosis	ICD-10-CM
N3041	Irradiation cystitis with hematuria	Diagnosis	ICD-10-CM
N3080	Other cystitis without hematuria	Diagnosis	ICD-10-CM
N3081	Other cystitis with hematuria	Diagnosis	ICD-10-CM
N3090	Cystitis, unspecified without hematuria	Diagnosis	ICD-10-CM
N3091	Cystitis, unspecified with hematuria	Diagnosis	ICD-10-CM
N340	Urethral abscess	Diagnosis	ICD-10-CM
N341	Nonspecific urethritis	Diagnosis	ICD-10-CM
N342	Other urethritis	Diagnosis	ICD-10-CM
N343	Urethral syndrome, unspecified	Diagnosis	ICD-10-CM
N35111	Postinfective urethral stricture, not elsewhere classified, male, meatal	Diagnosis	ICD-10-CM
N35112	Postinfective bulbous urethral stricture, not elsewhere classified, male	Diagnosis	ICD-10-CM
N35113	Postinfective membranous urethral stricture, not elsewhere classified, male	Diagnosis	ICD-10-CM
N35114	Postinfective anterior urethral stricture, not elsewhere classified, male	Diagnosis	ICD-10-CM
N35119	Postinfective urethral stricture, not elsewhere classified, male, unspecified	Diagnosis	ICD-10-CM
N3512	Postinfective urethral stricture, not elsewhere classified, female	Diagnosis	ICD-10-CM
N37	Urethral disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N390	Urinary tract infection, site not specified	Diagnosis	ICD-10-CM

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
<b>Anticoagulants, injection</b>	
Argatroban	Argatroban
Argatroban In 0.9 % Sodium Chloride	Argatroban In 0.9 % Sod Chlor
Argatroban In Sodium Chloride, Iso-Osmotic	Argatroban In Nacl (Iso-Os)
Bivalirudin	Angiomax
Bivalirudin	Bivalirudin
Bivalirudin For Iv	Angiomax
Bivalirudin In 0.9 % Sodium Chloride	Bivalirudin-0.9 % Sodium Chlor
Dalteparin Sodium, Porcine	Fragmin
Enoxaparin Sodium	Enoxaparin
Enoxaparin Sodium	Enoxaparin Sodium
Enoxaparin Sodium	Lovenox
Fondaparinux Sodium	Arixtra
Fondaparinux Sodium	Fondaparinux
Fondaparinux Sodium	Fondaparinux Sodium
Heparin Sod (Porc)/Dextrose Iv Sol Pref Syr 50 Unit/50MI/10%	Heparin Sodium/Dextrose
Heparin Sod (Porcine) In Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sod (Porcine)/Nacl Iv	Heparin Sodium/Sodium Chloride Pf
Heparin Sodium (Bovine)	Heparin Sodium Beef Lung
Heparin Sodium (Porcine)	Heparin Sodium
Heparin Sodium (Porcine) 100 Unit/MI In D5W	Heparin Sodium/D5W
Heparin Sodium (Porcine) In Nacl Iv	Heparin Sodium/Sodium Chloride
Heparin Sodium (Porcine) Iv	Heparin Sodium
Heparin Sodium (Porcine)/Dextrose Iv Sol 10000 Unit/100MI/5%	Heparin Sodium/Dextrose
Heparin Sodium, Porcine	Heparin (Porcine)
Heparin Sodium, Porcine	Heparin Lock Flush (Porcine)
Heparin Sodium, Porcine	Heparin Sodium
Heparin Sodium, Porcine In 0.45 % Sodium Chloride	Heparin (Porcine) In 0.45% Nacl
Heparin Sodium, Porcine In 0.9 % Sodium Chloride	Heparin (Porcine) In 0.9% Nacl
Heparin Sodium, Porcine In 0.9 % Sodium Chloride/Pf	Heparin (Porcine) In Nacl (Pf)
Heparin Sodium, Porcine/Dextrose 5 % In Water	Heparin (Porcine) In 5 % Dex
Heparin Sodium, Porcine/Pf	Heparin, Porcine (Pf)
<b>Anticoagulants, oral</b>	
Apixaban	Eliquis
Apixaban	Eliquis Dvt-Pe Treat 30D Start
Dabigatran Etxilate Mesylate	Pradaxa
Edoxaban Tosylate	Savaysa
Rivaroxaban	Xarelto
Rivaroxaban	Xarelto Dvt-Pe Treat 30D Start
Warfarin Sodium	Coumadin
Warfarin Sodium	Jantoven
Warfarin Sodium	Warfarin
Warfarin Sodium	Warfarin Sodium
<b>Antiplatelets</b>	
Acetaminophen	Acetaminophen
Acetaminophen	Childrens Aspirin Free
Acetaminophen	Children'S Non-Aspirin
Acetaminophen	Childrens Non-Aspirin Pain Reliever
Acetaminophen	Children'S Pain Relief
Acetaminophen	Children'S Pain Reliever
Acetaminophen	Fv Pain Reliever/Non-Aspirin Childs

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
Acetaminophen	Jr. Str Non-Aspirin Pain
Acetaminophen	Non-Aspirin
Acetaminophen	Non-Aspirin Childrens
Acetaminophen	Non-Aspirin Extra Strength
Acetaminophen	Non-Aspirin Pain Relief
Acetaminophen	Non-Aspirin Pain Relief Extra Strength
Acetaminophen	Oscos Junior Strength Non-Aspirin
Acetaminophen	Oscos Non-Aspirin Extra Strength
Acetaminophen	Pain Relief (Acetaminophen)
Acetaminophen	Pain Relief Regular Strength
Acetaminophen	Pain Reliever (Acetaminophen)
Acetaminophen	Pain Reliever Extra Strength
Acetaminophen	Pain Reliever Jr Strength
Acetaminophen	Ra Non-Aspirin
Acetaminophen	Ra Non-Aspirin Junior Strength
Acetaminophen Disintegrating	Childrens Non-Aspirin
Acetaminophen Disintegrating	Jr Strength Non-Aspirin
Acetaminophen Disintegrating	Non-Aspirin Extra Strength
Acetaminophen Disintegrating	Sb Childrens Non-Aspirin
Acetaminophen Disintegrating	Sb Non-Aspirin Jr Strength
Acetaminophen Dispersible	Non-Aspirin Regular Strength
Acetaminophen Dispersible	Qc Childrens Non-Aspirin
Acetaminophen Susp 160 Mg/5MI	Non-Aspirin Pain Relief Childrens
Acetaminophen Susp 160 Mg/5MI	Ra Children'S Non-Aspirin
Acetaminophen Susp 80 Mg/0.8MI	Non-Aspirin Infant
Acetaminophen Susp 80 Mg/0.8MI	Ra Infants Non-Aspirin Acetaminophen
Acetaminophen Tab Er 650 Mg	Qc Non-Aspirin 8 Hour
Acetaminophen/Diphenhydramine Hcl	Headache Pm
Acetaminophen/Diphenhydramine Hcl	Non-Aspirin Pm
Acetaminophen/Diphenhydramine Hcl	Pain Reliever Pm Ex-Strength
Anagrelide Hcl	Agrylin
Anagrelide Hcl	Anagrelide
Aspirin	Adult Aspirin Regimen
Aspirin	Adult Low Dose Aspirin
Aspirin	Anacin
Aspirin	Ascriptin
Aspirin	Aspergum
Aspirin	Aspirin
Aspirin	Aspirin Adult Low Strength
Aspirin	Aspirin Childrens
Aspirin	Aspirin Ec
Aspirin	Aspirin Ec Low Dose
Aspirin	Aspirin Ec Maximum Strength
Aspirin	Aspirin Enteric Coated Adult Low Strength
Aspirin	Aspirin Low Dose
Aspirin	Aspirin Tab
Aspirin	Aspirin Tab Maximum Strength
Aspirin	Aspirin-Trim
Aspirin	Bayer Advanced
Aspirin	Bayer Advanced Aspirin Extra Strength
Aspirin	Bayer Advanced Aspirin Regular Strength
Aspirin	Bayer Aspirin
Aspirin	Bayer Aspirin Regimen

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
Aspirin	Bayer Chewable Aspirin
Aspirin	Bayer Low Strength
Aspirin	Bufferin Low Dose
Aspirin	Children'S Aspirin
Aspirin	Cvs Aspirin
Aspirin	Cvs Aspirin Adult Low Dose
Aspirin	Durlaza
Aspirin	Ec Aspirin
Aspirin	Ecotrin
Aspirin	Ecotrin Low Strength
Aspirin	Ecpirin
Aspirin	Enteric Coated Aspirin
Aspirin	Eq Adult Aspirin Low Strength
Aspirin	Eq Aspirin
Aspirin	Eq Aspirin Ec
Aspirin	Eq Aspirin Low Dose
Aspirin	EqI Aspirin
Aspirin	EqI Aspirin Ec
Aspirin	EqI Aspirin Low Dose
Aspirin	Extra Strength Bayer
Aspirin	Gnp Aspirin Low Dose
Aspirin	Gnp Childrens Aspirin
Aspirin	Goodsense Aspirin Low Dose
Aspirin	H-E-B Aspirin
Aspirin	Hm Aspirin
Aspirin	Lite Coat Aspirin
Aspirin	Lo-Dose Aspirin
Aspirin	Medique Aspirin
Aspirin	Mm Aspirin
Aspirin	Norwich Aspirin
Aspirin	OscO Aspirin
Aspirin	Ra Aspirin
Aspirin	Ra Aspirin Ec
Aspirin	Ra Aspirin Ec Maximum Strength
Aspirin	Ra Childrens Aspirin
Aspirin	Ra Pain Relief Aspirin
Aspirin	St Joseph Aspirin
Aspirin	St. Joseph Aspirin
Aspirin	Tgt Aspirin
Aspirin	Tgt Aspirin Low Dose
Aspirin	Th Aspirin
Aspirin	Th Aspirin Low Dose
Aspirin	Th Enteric Aspirin
Aspirin Buffered	Albertsons Buffered Aspirin
Aspirin Buffered	Aspirin Buffered
Aspirin Buffered	Aspirin Tri-Buffered
Aspirin Buffered	Buffasal
Aspirin Buffered	OscO Tri-Buffered Aspirin
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Adprin B
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Buffered Aspirin
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Bufferin
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Bufferin Extra Strength
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Eq Buffered Aspirin

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Ra Tri-Buffered Aspirin
Aspirin Buffered (Ca Carb/Mg Carb/Mg Ox)	Tri-Buffered Aspirin
Aspirin Buffered (Mg Carbonate/Al Glycinate)	Adprin B
Aspirin Buffered (Mg Carbonate/Al Glycinate)	Bufferin Arthritis Strength
Aspirin Disintegrating	Adult Aspirin Low Strength
Aspirin Dispersible	Adult Aspirin Low Strength
Aspirin Effer	Alka-Seltzer
Aspirin Effer	Alka-Seltzer Original
Aspirin Effer	Cvs Antacid & Pain Reliever
Aspirin Effer	Effervescent Antacid/Painrelief
Aspirin Effer	Effervescent Pain Relief
Aspirin Effer	Goodsense Antacid & Painrelief
Aspirin Effer	Neutralin
Aspirin Effer	Oscos Effervescent Antacidand Pain Reliever
Aspirin Effer	Ra Antacid Pain Relief
Aspirin Effer	Sav-On Effervescent Antacid/Pain Reliever
Aspirin Effer	Sb Effervescent Pain Relief
Aspirin W/ Codeine	Aspirin/Codeine
Aspirin/Acetaminophen/Caffeine	Added Strength Headache Relief
Aspirin/Acetaminophen/Caffeine	Anacin Advanced Headacheformula
Aspirin/Acetaminophen/Caffeine	Eq Headache Relief
Aspirin/Acetaminophen/Caffeine	Eq Migraine Relief
Aspirin/Acetaminophen/Caffeine	Excedrin
Aspirin/Acetaminophen/Caffeine	Excedrin Extra Strength
Aspirin/Acetaminophen/Caffeine	Excedrin Migraine
Aspirin/Acetaminophen/Caffeine	Extra Pain Relief
Aspirin/Acetaminophen/Caffeine	Extra Strength Pain Reliever
Aspirin/Acetaminophen/Caffeine	Extraprin
Aspirin/Acetaminophen/Caffeine	Extraprin Extra Strength
Aspirin/Acetaminophen/Caffeine	Goodsense Headache Reliefextra Strength
Aspirin/Acetaminophen/Caffeine	Goody'S Extra Strength
Aspirin/Acetaminophen/Caffeine	Headache Relief
Aspirin/Acetaminophen/Caffeine	Headache Relief (Asa-Acet-Caf)
Aspirin/Acetaminophen/Caffeine	Headrin Ex Strength Painreliever
Aspirin/Acetaminophen/Caffeine	Migraine Formula
Aspirin/Acetaminophen/Caffeine	Migraine Relief
Aspirin/Acetaminophen/Caffeine	Pain Relief Extra Strength
Aspirin/Acetaminophen/Caffeine	Pain Reliever (Acetam-Aspirin)
Aspirin/Acetaminophen/Caffeine	Pain Reliever Extra Strength
Aspirin/Acetaminophen/Caffeine	Pain Reliever Plus
Aspirin/Acetaminophen/Caffeine	Pain-Off
Aspirin/Acetaminophen/Caffeine	Qc Headache Relief
Aspirin/Acetaminophen/Caffeine	Ra Migraine Relief
Aspirin/Acetaminophen/Caffeine	Sav-On Added Strength Pain Reliever
Aspirin/Acetaminophen/Caffeine	Tgt Pain Reliever Added Strength
Aspirin/Acetaminophen/Caffeine (Buffered)	Vanquish
Aspirin/Acetaminophen/Caffeine Powd Pack 520/260/32.5 Mg	Goody's Extra Strength
Aspirin/Acetaminophen/Magnesium/Aluminum Hydroxide/Caffeine	Vanquish
Aspirin/Al Hydroxide/Mg Hydroxide	Arthritis Pain Formula
Aspirin/Caffeine	Anacin
Aspirin/Caffeine	Back And Body Pain Reliever
Aspirin/Caffeine	Bayer Aspirin (With Caffeine)
Aspirin/Caffeine	Bayer Back & Body

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
Aspirin/Caffeine	Bayer Back & Body Pain Extra Strength
Aspirin/Caffeine	Bayer Back And Body
Aspirin/Caffeine	Bc Arthritis
Aspirin/Caffeine	Bc Pain Relief
Aspirin/Caffeine	Cope
Aspirin/Caffeine	OscO Analgesic Adult Strength
Aspirin/Caffeine	P-A-C
Aspirin/Caffeine Powder Packet 845/65 Mg	Bc Fast Pain Relief
Aspirin/Caffeine/Dihydrocodeine	Synalgos-Dc
Aspirin/Calcium Carbonate	Women'S Aspirin With Calcium
Aspirin/Calcium Carbonate/Magnesium	Aspirin, Buffd-Calcium Carb-Mag
Aspirin/Calcium Carbonate/Magnesium	Buffered Aspirin
Aspirin/Calcium Carbonate/Magnesium	Bufferin
Aspirin/Calcium Carbonate/Magnesium	Tri-Buffered Aspirin
Aspirin/Calcium Carbonate/Magnesium/Aluminum Hydroxide	Bayer Plus Extra Strength
Aspirin/Diphenhydramine Citrate	Bayer Pm
Aspirin/Dipyridamole	Aggrenox
Aspirin/Dipyridamole	Aspirin-Dipyridamole
Aspirin/Omeprazole	Aspirin-Omeprazole
Aspirin/Omeprazole	Yosprala
Aspirin/Phytosterols	Bayer Heart Advantage
Aspirin/Salicylamide/Acetaminophen/Caffeine	Pain Relief(With Salicylamide)
Aspirin/Salicylamide/Caffeine Powd Pack 650/195/32 Mg	Bc Headache Powder
Aspirin/Salicylamide/Caffeine Powd Pack 742/222/36 Mg	Arthritis Strength Bc Powder
Aspirin/Sodium Bicarbonate/Citric Acid	Alka-Seltzer Extra Strength
Aspirin/Sodium Bicarbonate/Citric Acid	Alka-Seltzer Original
Aspirin/Sodium Bicarbonate/Citric Acid	Antacid And Pain Relief
Aspirin/Sodium Bicarbonate/Citric Acid	Efferves Pain Relief Antacid
Aspirin/Sodium Bicarbonate/Citric Acid	Effervescent
Aspirin/Sodium Bicarbonate/Citric Acid	Effervescent Pain Relief
Aspirin/Sodium Bicarbonate/Citric Acid	Medi-Seltzer
Butalbital/Aspirin/Caff W/ Codeine	Ascomp/Codeine
Butalbital/Aspirin/Caff W/ Codeine	Butalbital/Aspirin/Caffeine/Codeine
Butalbital/Aspirin/Caffeine	Butal/Asa/Caff
Butalbital/Aspirin/Caffeine	Butalbital/Asa/Caffeine
Butalbital/Aspirin/Caffeine	Butalbital/Aspirin/Caffeine
Butalbital/Aspirin/Caffeine	Butalbital-Aspirin-Caffeine
Butalbital/Aspirin/Caffeine	Fiorinal
Cangrelor Tetrasodium	Kengreal
Carisoprodol W/ Aspirin	Carisoprodol Compound
Carisoprodol/Aspirin	Carisoprodol-Aspirin
Carisoprodol/Aspirin/Codeine Phosphate	Carisoprodol-Aspirin-Codeine
Chlorphen/Pseudoephed/Aspirin Effer	Ra Effervescent Plus Coldrelief
Chlorphen/Pseudoephedrine W/ Apap	OscO Non-Aspirin Allergysinus Maximum Strength
Chlorpheniramine Mal/Phenylephrine/D-Methorphan Hb/Aspirin	Alka-Seltzer Plus C/C(Pe,Dm)
Chlorpheniramine Maleate/Phenylephrine Bitartrate/Aspirin	Alka-Seltzer Plus Cold
Chlorpheniramine Maleate/Phenylephrine Bitartrate/Aspirin	Alka-Seltzer Plus Cold (Pe)
Chlorpheniramine Maleate/Phenylephrine Bitartrate/Aspirin	Cold Relief
Chlorpheniramine Maleate/Phenylephrine Bitartrate/Aspirin	Cold Relief Plus
Cilostazol	Cilostazol
Clopidogrel Bisulfate	Clopidogrel
Clopidogrel Bisulfate	Plavix
Clopidogrel Tab 75 Mg/Aspirin Tab Dr 81 Mg Therapy Pack	Clopidogrel Kit

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

Generic name	Brand name
Codeine Phosphate/Butalbital/Aspirin/Caffeine	Ascomp With Codeine
Codeine Phosphate/Butalbital/Aspirin/Caffeine	Butalbital Compound W/Codeine
Codeine Phosphate/Butalbital/Aspirin/Caffeine	Codeine-Butalbital-Asa-Caff
Codeine Phosphate/Butalbital/Aspirin/Caffeine	Fiorinal-Codeine #3
Defibrotide Sodium	Defitelio
Dextromethorphan Hbr/Pseudoephedrine Hcl/Acetaminophen	Non-Aspirin Flu
Diphenhydramine W/ Apap	Osc Extra Strength Non-Aspirin Pm
Diphenhydramine/Acetaminophen	KIs Non-Aspirin Pm
Dipyridamole	Dipyridamole
Dipyridamole Iv	Dipyridamole
Doxylamine Succinate/Phenylephrine/Dextromethorphan Hbr/Asa	Alka-Seltzer Plus Night (Asa)
Eptifibatide	Eptifibatide
Eptifibatide	Integrilin
Orphenadrine Citrate/Aspirin/Caffeine	Norgesic Forte
Orphenadrine Citrate/Aspirin/Caffeine	Orphenadrine-Asa-Caffeine
Orphenadrine Citrate/Aspirin/Caffeine	Orphengesic Forte
Orphenadrine W/ Aspirin/Caffeine	Norgesic Forte
Orphenadrine W/ Aspirin/Caffeine	Orphenadrine Compound Ds
Orphenadrine W/ Aspirin/Caffeine	Orphenadrine/Asa/Caffeine
Oxycodone Hcl/Acetaminophen	Oxycodone-Acetaminophen
Oxycodone Hcl/Aspirin	Oxycodone-Aspirin
Oxycodone W/ Aspirin	Oxycodone/Aspirin
Phenylephrine/Aspirin Effer	Alka-Seltzer Plus Sinus Formula
Phenyltoloxamine/Acetaminophen	Aspirin Free Analgesic
Prasugrel Hcl	Effient
Prasugrel Hcl	Prasugrel
Pseudoephedrine W/ Acetaminophen	Fv Sinus Maximum/Non-Aspirin
Pseudoephedrine W/ Acetaminophen	Sav-On Non-Aspirin Sinus
Pseudoephedrine W/ Apap/Dm	Osc Non-Aspirin Flu Maximum Strength
Pseudoephedrine W/ Apap/Dm	Sm Non-Aspirin Flu
Ticagrelor	Brilinta
Ticlopidine Hcl	Ticlid
Ticlopidine Hcl	Ticlopidine Hcl
Tirofiban Hcl Monohydrate	Aggrastat Concentrate
Tirofiban Hcl Monohydrate In 0.9 % Sodium Chloride	Aggrastat In Sodium Chloride
Vorapaxar Sulfate	Zontivity
<b>Azithromycin</b>	
Azithromycin	Azithromycin
Azithromycin	Zithromax
Azithromycin	Zithromax Tri-Pak
Azithromycin	Zithromax Z-Pak
Azithromycin Iv For	Azithromycin
<b>Chloroquine</b>	
Chloroquine Phosphate	Chloroquine Phosphate
<b>Corticosteroids, inhaled</b>	
Beclomethasone Diprop	Qvar
Beclomethasone Diprop Hfa Breath Act Inh Aer 40 Mcg/Act	Qvar Redihaler
Beclomethasone Dipropionate	Beclovent
Beclomethasone Dipropionate	Qvar
Beclomethasone Dipropionate	Qvar Redihaler
Beclomethasone Dipropionate	Vanceril
Beclomethasone Dipropionate	Vanceril Double Strength
Budesonide	Budesonide

**Appendix K. Generic and Brand Names of Medical Products Used to Define Concomitant Therapy Use**

<b>Generic name</b>	<b>Brand name</b>
Budesonide	Pulmicort
Budesonide	Pulmicort Flexhaler
Budesonide Inhalation Susp 0.25 Mg/2Ml	Budesonide
Budesonide Inhalation Susp 0.5 Mg/2Ml	Budesonide
Budesonide/Formoterol Fumarate	Budesonide-Formoterol Fumarate
Budesonide/Formoterol Fumarate	Symbicort
Budesonide/Formoterol Fumarate Dihyd	Symbicort
Budesonide/Glycopyrrolate/Formoterol Fumarate	Breztri Aerosphere
Ciclesonide	Alvesco
Flunisolide	Aerobid
Flunisolide	Aerobid-M
Flunisolide	Aerospan
Flunisolide/Menthol	Aerobid-M
Fluticasone Furoate	Arnuity Ellipta
Fluticasone Furoate/Umeclidinium Bromide/Vilanterol Trifenat	Trelegy Ellipta
Fluticasone Furoate/Vilanterol	Breo Ellipta
Fluticasone Furoate/Vilanterol Trifenatate	Breo Ellipta
Fluticasone Propionate	Armonair Digihaler
Fluticasone Propionate	Armonair Respiclick
Fluticasone Propionate	Flovent
Fluticasone Propionate	Flovent Diskus
Fluticasone Propionate	Flovent Hfa
Fluticasone Propionate	Flovent Rotadisk
Fluticasone Propionate Hfa Inhal Aer 220 Mcg/Act (250/Valve)	Flovent Hfa
Fluticasone Propionate Hfa Inhal Aero 44 Mcg/Act (50/Valve)	Flovent Hfa
Fluticasone Propionate/Salmeterol Xinafoate	Advair Diskus
Fluticasone Propionate/Salmeterol Xinafoate	Advair Hfa
Fluticasone Propionate/Salmeterol Xinafoate	Airduo Digihaler
Fluticasone Propionate/Salmeterol Xinafoate	Airduo Respiclick
Fluticasone Propionate/Salmeterol Xinafoate	Fluticasone-Salmeterol
Fluticasone Propionate/Salmeterol Xinafoate	Wixela Inhub
Fluticasone/Salmeterol	Advair Diskus
Fluticasone/Salmeterol	Fluticasone Propionate/Salmeterol
Fluticasone/Salmeterol Inhal	Advair Hfa
Mometasone Furoate	Asmanex
Mometasone Furoate	Asmanex Hfa
Mometasone Furoate/Formoterol Fumarate	Dulera
Triamcinolone Acetonide	Azmacort
<b>Hydroxychloroquine</b>	
Hydroxychloroquine Sulfate	Hydroxychloroquine
Hydroxychloroquine Sulfate	Plaquenil
<b>Remdesivir</b>	
Remdesivir	Remdesivir (Eua)
Remdesivir (Emergency Use Authorization)	Remdesivir (Eua)
Remdesivir For Iv	Remdesivir
Remdesivir For Iv	Remdesivir
Remdesivir	Veklury



**Appendix L. List of International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS) and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Concomitant Therapy Use**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
<b>Anticoagulants, injection</b>			
J0583	Bivalrudin, Injection	Procedure	HCPCS
J0883	Argatroban, Injection (Non-Esrd)	Procedure	HCPCS
J1644	Heparin, Injection	Procedure	HCPCS
J1645	Dalteparin, Injection	Procedure	HCPCS
J1650	Enoxaparin, Injection	Procedure	HCPCS
J1652	Fondaparinux, Injection	Procedure	HCPCS
J1945	Lepirudin, Injection	Procedure	HCPCS
<b>Anticoagulants, oral</b>			
G8967	warfarin or another FDA-approved oral anticoagulant is prescribed	Procedure	HCPCS
<b>Antiplatelets</b>			
G8598	Aspirin or another antiplatelet therapy used	Procedure	HCPCS
M1055	Aspirin or another antiplatelet therapy used	Procedure	HCPCS
G9793	Patient is currently on a daily aspirin or other antiplatelet	Procedure	HCPCS
C9460	Injection, cangrelor, 1 mg	Procedure	HCPCS
J3246	Injection, tirofiban hcl, 0.25 mg	Procedure	HCPCS
J1245	Injection, dipyridamole, per 10 mg	Procedure	HCPCS
J1327	Injection, eptifibatide, 5 mg	Procedure	HCPCS
XW03392	Introduction of Defibrotide Sodium Anticoagulant into Peripheral Vein, Percutaneous Approach, New Technology Group 2	Procedure	ICD-10-PCS
XW04392	Introduction of Defibrotide Sodium Anticoagulant into Central Vein, Percutaneous Approach, New Technology Group 2	Procedure	ICD-10-PCS
<b>Azithromycin</b>			
J0456	Injection, azithromycin, 500 mg	Procedure	HCPCS
Q0144	Azithromycin dihydrate, oral, capsules/powder, 1 g	Procedure	HCPCS
<b>Chloroquine</b>			
J0390	Injection, chloroquine HCl, up to 250 mg	Procedure	HCPCS
<b>Corticosteroids, inhaled</b>			
J7624	Betamethasone, inhalation solution administered through dme, unit dose form, per milligram	Procedure	HCPCS
J7622	Beclomethasone, inhalation solution, compounded product, administered through dme, unit dose form, per milligram	Procedure	HCPCS
J7626	Budesonide, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose form, up to 0.5 mg	Procedure	HCPCS
J7627	Budesonide, inhalation solution, compounded product, administered through dme, unit dose form, up to 0.5 mg	Procedure	HCPCS
J7633	Budesonide, inhalation solution, fda-approved final product, non-compounded, administered through dme, concentrated form, per 0.25 milligram	Procedure	HCPCS
J7634	Budesonide, inhalation solution, compounded product, administered through dme, concentrated form, per 0.25 milligram	Procedure	HCPCS
J7637	Dexamethasone, inhalation solution, compounded product, administered through dme, concentrated form, per milligram	Procedure	HCPCS
J7638	Dexamethasone, inhalation solution, compounded product, administered through dme, unit dose form, per milligram	Procedure	HCPCS
J7641	Flunisolide, inhalation solution, compounded product, administered through dme, unit dose, per milligram	Procedure	HCPCS
J7401	Mometasone furoate sinus implant, 10 micrograms	Procedure	HCPCS

**Appendix L. List of International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS) and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Concomitant Therapy Use**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
J7683	Triamcinolone, inhalation solution, compounded product, administered through dme, concentrated form, per milligram	Procedure	HCPCS
J7684	Triamcinolone, inhalation solution, compounded product, administered through dme, unit dose form, per milligram	Procedure	HCPCS
<b>Convalescent plasma</b>			
XW13325	Transfusion of Convalescent Plasma (Nonautologous) into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	HCPCS
XW14325	Transfusion of Convalescent Plasma (Nonautologous) into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	HCPCS
<b>Remdesivir</b>			
XW033E5	Introduction of Remdesivir Anti-infective into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	HCPCS
XW043E5	Introduction of Remdesivir Anti-infective into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	HCPCS

**Appendix M. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Clinical Characteristics**

Code	Description	Code category	Code type
<b>Acute respiratory distress syndrome</b>			
J80	Acute respiratory distress syndrome	Diagnosis	ICD-10-CM
<b>Acute respiratory failure</b>			
J9600	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM
J9601	Acute respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J9602	Acute respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
J9690	Respiratory failure, unspecified, unspecified whether with hypoxia or	Diagnosis	ICD-10-CM
J9691	Respiratory failure, unspecified with hypoxia	Diagnosis	ICD-10-CM
J9692	Respiratory failure, unspecified with hypercapnia	Diagnosis	ICD-10-CM
J9620	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	Diagnosis	ICD-10-CM
J9621	Acute and chronic respiratory failure with hypoxia	Diagnosis	ICD-10-CM
J9622	Acute and chronic respiratory failure with hypercapnia	Diagnosis	ICD-10-CM
R092	Respiratory arrest	Diagnosis	ICD-10-CM
<b>Dyspnea</b>			
R0602	Shortness of breath or trouble breathing	Diagnosis	ICD-10-CM
R060	Dyspnea	Diagnosis	ICD-10-CM
R0600	Dyspnea, unspecified	Diagnosis	ICD-10-CM
R0601	Orthopnea	Diagnosis	ICD-10-CM
R0603	Acute respiratory distress	Diagnosis	ICD-10-CM
R0609	Other forms of dyspnea	Diagnosis	ICD-10-CM
R062	Wheezing	Diagnosis	ICD-10-CM
R0902	Hypoxemia	Diagnosis	ICD-10-CM
<b>Loss of taste or smell</b>			
R439	New loss of either taste or smell (disturbance of smell and taste)	Diagnosis	ICD-10-CM
R438	New loss of both taste and smell (disturbance of smell and taste)	Diagnosis	ICD-10-CM
<b>Oxygen use</b>			
31730	Transtracheal (percutaneous) introduction of needle wire dilator/stent or indwelling tube for oxygen therapy	Procedure	CPT-4
A4620	Variable concentration mask	Procedure	HCPCS
E0465	Home ventilator, any type, used with invasive interface, (e.g.,	Procedure	HCPCS
A4615	Cannula, nasal	Procedure	HCPCS
E1405	Oxygen and water vapor enriching system with heated delivery	Procedure	HCPCS
E0487	Spirometer, electronic, includes all accessories	Procedure	HCPCS
E0444	Portable oxygen contents, liquid, 1 month's supply = 1 unit	Procedure	HCPCS
E0430	Portable gaseous oxygen system, purchase; includes regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E0425	Stationary compressed gas system, purchase; includes regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	Procedure	HCPCS
A0422	Ambulance (ALS or BLS) oxygen and oxygen supplies, life sustaining situation	Procedure	HCPCS
A4575	Topical hyperbaric oxygen chamber, disposable	Procedure	HCPCS
A4608	Transtracheal oxygen catheter, each	Procedure	HCPCS
E0439	Stationary liquid oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, & tubing	Procedure	HCPCS

**Appendix M. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Clinical Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
E0446	Topical oxygen delivery system, not otherwise specified, includes all supplies and accessories	Procedure	HCPCS
E0486	Oral device/appliance used to reduce upper airway collapsibility, adjustable or nonadjustable, custom fabricated, includes fitting and adjustment	Procedure	HCPCS
E0434	Portable liquid oxygen system, rental; includes portable container, supply reservoir, humidifier, flowmeter, refill adaptor, contents gauge, cannula or mask, and tubing	Procedure	HCPCS
E1352	Oxygen accessory, flow regulator capable of positive inspiratory pressure	Procedure	HCPCS
E0485	Oral device/appliance used to reduce upper airway collapsibility, adjustable or nonadjustable, prefabricated, includes fitting and adjustment	Procedure	HCPCS
E1406	Oxygen and water vapor enriching system without heated delivery	Procedure	HCPCS
E1356	Oxygen accessory, battery pack/cartridge for portable concentrator, any type, replacement only, each	Procedure	HCPCS
A4627	Spacer, bag or reservoir, with or without mask, for use with metered dose inhaler	Procedure	HCPCS
E0433	Portable liquid oxygen system, rental; home liquefier used to fill portable liquid oxygen containers, includes portable containers, regulator, flowmeter, humidifier, cannula or mask and tubing, with or without supply reservoir and contents gauge	Procedure	HCPCS
E0442	Stationary oxygen contents, liquid, 1 month's supply = 1 unit	Procedure	HCPCS
E1392	Portable oxygen concentrator, rental	Procedure	HCPCS
E0435	Portable liquid oxygen system, purchase; includes portable container, supply reservoir, flowmeter, humidifier, contents gauge, cannula or mask, tubing and refill adaptor	Procedure	HCPCS
E0466	Home ventilator, any type, used with noninvasive interface, (e.g., mask, chest shell)	Procedure	HCPCS
A4623	Tracheostomy, inner cannula	Procedure	HCPCS
E1391	Oxygen concentrator, dual delivery port, capable of delivering 85 percent or greater oxygen concentration at the prescribed flow rate, each	Procedure	HCPCS
E1357	Oxygen accessory, battery charger for portable concentrator, any type, replacement only, each	Procedure	HCPCS
E1353	Regulator	Procedure	HCPCS
E0467	Home ventilator, multi-function respiratory device, also performs any or all of the additional functions of oxygen concentration, drug nebulization, aspiration, and cough stimulation, includes all accessories, components and supplies for all functions	Procedure	HCPCS
K0738	Portable gaseous oxygen system, rental; home compressor used to fill portable oxygen cylinders; includes portable containers, regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E0443	Portable oxygen contents, gaseous, 1 month's supply = 1 unit	Procedure	HCPCS

**Appendix M. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Clinical Characteristics**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
E0441	Stationary oxygen contents, gaseous, 1 month's supply = 1 unit	Procedure	HCPCS
E0431	Portable gaseous oxygen system, rental; includes portable container, regulator, flowmeter, humidifier, cannula or mask, and tubing	Procedure	HCPCS
E1354	Oxygen accessory, wheeled cart for portable cylinder or portable concentrator, any type, replacement only, each	Procedure	HCPCS
E0440	Stationary liquid oxygen system, purchase; includes use of reservoir, contents indicator, regulator, flowmeter, humidifier, nebulizer, cannula or	Procedure	HCPCS
E1358	Oxygen accessory, DC power adapter for portable concentrator, any type, replacement only, each	Procedure	HCPCS
A4624	Tracheal suction catheter, any type other than closed system, each	Procedure	HCPCS
E0447	Portable oxygen contents, liquid, 1 month's supply = 1 unit, prescribed amount at rest or nighttime exceeds 4 liters per minute (LPM)	Procedure	HCPCS
E0424	Stationary compressed gaseous oxygen system, rental; includes container, contents, regulator, flowmeter, humidifier, nebulizer, cannula or mask, and tubing	Procedure	HCPCS
Z9981	Dependence on supplemental oxygen	Diagnosis	ICD-10-CM
<b>Pneumonia</b>			
B9729	Other viral pneumonia	Diagnosis	ICD-10-CM
J12	Viral pneumonia, not elsewhere classified	Diagnosis	ICD-10-CM
J128	Other viral pneumonia	Diagnosis	ICD-10-CM
J1281	Pneumonia due to SARS-associated coronavirus	Diagnosis	ICD-10-CM
J1282	Pneumonia due to coronavirus disease 2019	Diagnosis	ICD-10-CM
J1289	Other viral pneumonia	Diagnosis	ICD-10-CM
J129	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
<b>Shock</b>			
R570	Cardiogenic shock	Diagnosis	ICD-10-CM
R571	Hypovolemic shock	Diagnosis	ICD-10-CM
R578	Other shock	Diagnosis	ICD-10-CM
R579	Shock, unspecified	Diagnosis	ICD-10-CM
R6521	Severe sepsis with septic shock	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

Code	Description	Code category	Code type
<b>Hyperglycemia</b>			
E0865	Diabetes mellitus due to underlying condition with hyperglycemia	Diagnosis	ICD-10-CM
E0965	Drug or chemical induced diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1065	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1165	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1365	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
R739	Hyperglycemia, unspecified	Diagnosis	ICD-10-CM
<b>Ketoacidosis</b>			
E1311	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1310	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1011	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E1010	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1110	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1111	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E091	Drug or chemical induced diabetes mellitus with ketoacidosis	Diagnosis	ICD-10-CM
E0910	Drug or chemical induced diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0911	Drug or chemical induced diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E081	Diabetes mellitus due to underlying condition with ketoacidosis	Diagnosis	ICD-10-CM
E0810	Diabetes mellitus due to underlying condition with ketoacidosis without coma	Diagnosis	ICD-10-CM
E0811	Diabetes mellitus due to underlying condition with ketoacidosis with coma	Diagnosis	ICD-10-CM
<b>Psychosis or psychotic disorder</b>			
F22	Delusional disorders	Diagnosis	ICD-10-CM
F23	Brief psychotic disorder	Diagnosis	ICD-10-CM
R440	Auditory hallucinations	Diagnosis	ICD-10-CM
R442	Other hallucinations	Diagnosis	ICD-10-CM
R443	Hallucinations, unspecified	Diagnosis	ICD-10-CM
F312	Bipolar disorder, current episode manic severe with psychotic features	Diagnosis	ICD-10-CM
F315	Bipolar disorder, current episode depressed, severe, with psychotic features	Diagnosis	ICD-10-CM
F3164	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F302	Manic episode, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F312	Bipolar disorder, current episode manic severe with psychotic features	Diagnosis	ICD-10-CM
F3164	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM
F323	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F28	Other psychotic disorder not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F29	Unspecified psychosis not due to a substance or known physiological condition	Diagnosis	ICD-10-CM
F060	Psychotic disorder with hallucinations due to known physiological condition	Diagnosis	ICD-10-CM
F062	Psychotic disorder with delusions due to known physiological condition	Diagnosis	ICD-10-CM
<b>Severe infection</b>			
<b>Bacterial infection</b>			
A000	Cholera due to <i>Vibrio cholerae</i> 01, biovar cholerae	Diagnosis	ICD-10-CM
A001	Cholera due to <i>Vibrio cholerae</i> 01, biovar eltor	Diagnosis	ICD-10-CM
A009	Cholera, unspecified	Diagnosis	ICD-10-CM
A0100	Typhoid fever, unspecified	Diagnosis	ICD-10-CM
A0101	Typhoid meningitis	Diagnosis	ICD-10-CM
A0102	Typhoid fever with heart involvement	Diagnosis	ICD-10-CM
A0103	Typhoid pneumonia	Diagnosis	ICD-10-CM
A0104	Typhoid arthritis	Diagnosis	ICD-10-CM
A0105	Typhoid osteomyelitis	Diagnosis	ICD-10-CM
A0109	Typhoid fever with other complications	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A011	Paratyphoid fever A	Diagnosis	ICD-10-CM
A012	Paratyphoid fever B	Diagnosis	ICD-10-CM
A013	Paratyphoid fever C	Diagnosis	ICD-10-CM
A014	Paratyphoid fever, unspecified	Diagnosis	ICD-10-CM
A020	Salmonella enteritis	Diagnosis	ICD-10-CM
A021	Salmonella sepsis	Diagnosis	ICD-10-CM
A0220	Localized salmonella infection, unspecified	Diagnosis	ICD-10-CM
A0221	Salmonella meningitis	Diagnosis	ICD-10-CM
A0222	Salmonella pneumonia	Diagnosis	ICD-10-CM
A0223	Salmonella arthritis	Diagnosis	ICD-10-CM
A0224	Salmonella osteomyelitis	Diagnosis	ICD-10-CM
A0225	Salmonella pyelonephritis	Diagnosis	ICD-10-CM
A0229	Salmonella with other localized infection	Diagnosis	ICD-10-CM
A028	Other specified salmonella infections	Diagnosis	ICD-10-CM
A029	Salmonella infection, unspecified	Diagnosis	ICD-10-CM
A030	Shigellosis due to Shigella dysenteriae	Diagnosis	ICD-10-CM
A031	Shigellosis due to Shigella flexneri	Diagnosis	ICD-10-CM
A032	Shigellosis due to Shigella boydii	Diagnosis	ICD-10-CM
A033	Shigellosis due to Shigella sonnei	Diagnosis	ICD-10-CM
A038	Other shigellosis	Diagnosis	ICD-10-CM
A039	Shigellosis, unspecified	Diagnosis	ICD-10-CM
A04	Other bacterial intestinal infections	Diagnosis	ICD-10-CM
A040	Enteropathogenic Escherichia coli infection	Diagnosis	ICD-10-CM
A041	Enterotoxigenic Escherichia coli infection	Diagnosis	ICD-10-CM
A042	Enteroinvasive Escherichia coli infection	Diagnosis	ICD-10-CM
A043	Enterohemorrhagic Escherichia coli infection	Diagnosis	ICD-10-CM
A044	Other intestinal Escherichia coli infections	Diagnosis	ICD-10-CM
A045	Campylobacter enteritis	Diagnosis	ICD-10-CM
A046	Enteritis due to Yersinia enterocolitica	Diagnosis	ICD-10-CM
A047	Enterocolitis due to Clostridium difficile	Diagnosis	ICD-10-CM
A0471	Enterocolitis due to Clostridium difficile, recurrent	Diagnosis	ICD-10-CM
A0472	Enterocolitis d/t Clostridium difficile, not spcf as recur	Diagnosis	ICD-10-CM
A048	Other specified bacterial intestinal infections	Diagnosis	ICD-10-CM
A049	Bacterial intestinal infection, unspecified	Diagnosis	ICD-10-CM
A050	Foodborne staphylococcal intoxication	Diagnosis	ICD-10-CM
A052	Foodborne Clostridium perfringens intoxication	Diagnosis	ICD-10-CM
A053	Foodborne Vibrio parahaemolyticus intoxication	Diagnosis	ICD-10-CM
A054	Foodborne Bacillus cereus intoxication	Diagnosis	ICD-10-CM
A055	Foodborne Vibrio vulnificus intoxication	Diagnosis	ICD-10-CM
A058	Other specified bacterial foodborne intoxications	Diagnosis	ICD-10-CM
A059	Bacterial foodborne intoxication, unspecified	Diagnosis	ICD-10-CM
A150	Tuberculosis of lung	Diagnosis	ICD-10-CM
A154	Tuberculosis of intrathoracic lymph nodes	Diagnosis	ICD-10-CM
A155	Tuberculosis of larynx, trachea and bronchus	Diagnosis	ICD-10-CM
A156	Tuberculous pleurisy	Diagnosis	ICD-10-CM
A157	Primary respiratory tuberculosis	Diagnosis	ICD-10-CM
A158	Other respiratory tuberculosis	Diagnosis	ICD-10-CM
A159	Respiratory tuberculosis unspecified	Diagnosis	ICD-10-CM
A170	Tuberculous meningitis	Diagnosis	ICD-10-CM
A170	Tuberculous meningitis	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A171	Meningeal tuberculoma	Diagnosis	ICD-10-CM
A1781	Tuberculoma of brain and spinal cord	Diagnosis	ICD-10-CM
A1782	Tuberculous meningoencephalitis	Diagnosis	ICD-10-CM
A1783	Tuberculous neuritis	Diagnosis	ICD-10-CM
A1789	Other tuberculosis of nervous system	Diagnosis	ICD-10-CM
A179	Tuberculosis of nervous system, unspecified	Diagnosis	ICD-10-CM
A1801	Tuberculosis of spine	Diagnosis	ICD-10-CM
A1802	Tuberculous arthritis of other joints	Diagnosis	ICD-10-CM
A1803	Tuberculosis of other bones	Diagnosis	ICD-10-CM
A1809	Other musculoskeletal tuberculosis	Diagnosis	ICD-10-CM
A1810	Tuberculosis of genitourinary system, unspecified	Diagnosis	ICD-10-CM
A1811	Tuberculosis of kidney and ureter	Diagnosis	ICD-10-CM
A1812	Tuberculosis of bladder	Diagnosis	ICD-10-CM
A1813	Tuberculosis of other urinary organs	Diagnosis	ICD-10-CM
A1814	Tuberculosis of prostate	Diagnosis	ICD-10-CM
A1815	Tuberculosis of other male genital organs	Diagnosis	ICD-10-CM
A1816	Tuberculosis of cervix	Diagnosis	ICD-10-CM
A1817	Tuberculous female pelvic inflammatory disease	Diagnosis	ICD-10-CM
A1818	Tuberculosis of other female genital organs	Diagnosis	ICD-10-CM
A182	Tuberculous peripheral lymphadenopathy	Diagnosis	ICD-10-CM
A1831	Tuberculous peritonitis	Diagnosis	ICD-10-CM
A1832	Tuberculous enteritis	Diagnosis	ICD-10-CM
A1839	Retroperitoneal tuberculosis	Diagnosis	ICD-10-CM
A184	Tuberculosis of skin and subcutaneous tissue	Diagnosis	ICD-10-CM
A1850	Tuberculosis of eye, unspecified	Diagnosis	ICD-10-CM
A1851	Tuberculous episcleritis	Diagnosis	ICD-10-CM
A1852	Tuberculous keratitis	Diagnosis	ICD-10-CM
A1853	Tuberculous chorioretinitis	Diagnosis	ICD-10-CM
A1854	Tuberculous iridocyclitis	Diagnosis	ICD-10-CM
A1859	Other tuberculosis of eye	Diagnosis	ICD-10-CM
A186	Tuberculosis of (inner) (middle) ear	Diagnosis	ICD-10-CM
A187	Tuberculosis of adrenal glands	Diagnosis	ICD-10-CM
A1881	Tuberculosis of thyroid gland	Diagnosis	ICD-10-CM
A1882	Tuberculosis of other endocrine glands	Diagnosis	ICD-10-CM
A1883	Tuberculosis of digestive tract organs, NEC	Diagnosis	ICD-10-CM
A1884	Tuberculosis of heart	Diagnosis	ICD-10-CM
A1885	Tuberculosis of spleen	Diagnosis	ICD-10-CM
A1889	Tuberculosis of other sites	Diagnosis	ICD-10-CM
A190	Acute miliary tuberculosis of a single specified site	Diagnosis	ICD-10-CM
A191	Acute miliary tuberculosis of multiple sites	Diagnosis	ICD-10-CM
A192	Acute miliary tuberculosis, unspecified	Diagnosis	ICD-10-CM
A198	Other miliary tuberculosis	Diagnosis	ICD-10-CM
A199	Miliary tuberculosis, unspecified	Diagnosis	ICD-10-CM
A200	Bubonic plague	Diagnosis	ICD-10-CM
A201	Cellulocutaneous plague	Diagnosis	ICD-10-CM
A202	Pneumonic plague	Diagnosis	ICD-10-CM
A202	Pneumonic plague	Diagnosis	ICD-10-CM
A203	Plague meningitis	Diagnosis	ICD-10-CM
A203	Plague meningitis	Diagnosis	ICD-10-CM
A207	Septicemic plague	Diagnosis	ICD-10-CM



**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A208	Other forms of plague	Diagnosis	ICD-10-CM
A209	Plague, unspecified	Diagnosis	ICD-10-CM
A210	Ulceroglandular tularemia	Diagnosis	ICD-10-CM
A211	Oculoglandular tularemia	Diagnosis	ICD-10-CM
A212	Pulmonary tularemia	Diagnosis	ICD-10-CM
A212	Pulmonary tularemia	Diagnosis	ICD-10-CM
A213	Gastrointestinal tularemia	Diagnosis	ICD-10-CM
A217	Generalized tularemia	Diagnosis	ICD-10-CM
A218	Other forms of tularemia	Diagnosis	ICD-10-CM
A219	Tularemia, unspecified	Diagnosis	ICD-10-CM
A220	Cutaneous anthrax	Diagnosis	ICD-10-CM
A221	Pulmonary anthrax	Diagnosis	ICD-10-CM
A222	Gastrointestinal anthrax	Diagnosis	ICD-10-CM
A227	Anthrax sepsis	Diagnosis	ICD-10-CM
A228	Other forms of anthrax	Diagnosis	ICD-10-CM
A229	Anthrax, unspecified	Diagnosis	ICD-10-CM
A230	Brucellosis due to Brucella melitensis	Diagnosis	ICD-10-CM
A231	Brucellosis due to Brucella abortus	Diagnosis	ICD-10-CM
A232	Brucellosis due to Brucella suis	Diagnosis	ICD-10-CM
A233	Brucellosis due to Brucella canis	Diagnosis	ICD-10-CM
A238	Other brucellosis	Diagnosis	ICD-10-CM
A239	Brucellosis, unspecified	Diagnosis	ICD-10-CM
A240	Glanders	Diagnosis	ICD-10-CM
A241	Acute and fulminating melioidosis	Diagnosis	ICD-10-CM
A242	Subacute and chronic melioidosis	Diagnosis	ICD-10-CM
A243	Other melioidosis	Diagnosis	ICD-10-CM
A249	Melioidosis, unspecified	Diagnosis	ICD-10-CM
A250	Spirillosis	Diagnosis	ICD-10-CM
A251	Streptobacillosis	Diagnosis	ICD-10-CM
A259	Rat-bite fever, unspecified	Diagnosis	ICD-10-CM
A260	Cutaneous erysipeloid	Diagnosis	ICD-10-CM
A267	Erysipelothrix sepsis	Diagnosis	ICD-10-CM
A268	Other forms of erysipeloid	Diagnosis	ICD-10-CM
A269	Erysipeloid, unspecified	Diagnosis	ICD-10-CM
A270	Leptospirosis icterohemorrhagica	Diagnosis	ICD-10-CM
A2781	Aseptic meningitis in leptospirosis	Diagnosis	ICD-10-CM
A2781	Aseptic meningitis in leptospirosis	Diagnosis	ICD-10-CM
A2789	Other forms of leptospirosis	Diagnosis	ICD-10-CM
A279	Leptospirosis, unspecified	Diagnosis	ICD-10-CM
A280	Pasteurellosis	Diagnosis	ICD-10-CM
A281	Cat-scratch disease	Diagnosis	ICD-10-CM
A282	Extraintestinal yersiniosis	Diagnosis	ICD-10-CM
A288	Oth zoonotic bacterial diseases, not elsewhere classified	Diagnosis	ICD-10-CM
A289	Zoonotic bacterial disease, unspecified	Diagnosis	ICD-10-CM
A300	Indeterminate leprosy	Diagnosis	ICD-10-CM
A301	Tuberculoid leprosy	Diagnosis	ICD-10-CM
A302	Borderline tuberculoid leprosy	Diagnosis	ICD-10-CM
A303	Borderline leprosy	Diagnosis	ICD-10-CM
A304	Borderline lepromatous leprosy	Diagnosis	ICD-10-CM
A305	Lepromatous leprosy	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A308	Other forms of leprosy	Diagnosis	ICD-10-CM
A309	Leprosy, unspecified	Diagnosis	ICD-10-CM
A310	Pulmonary mycobacterial infection	Diagnosis	ICD-10-CM
A310	Pulmonary mycobacterial infection	Diagnosis	ICD-10-CM
A311	Cutaneous mycobacterial infection	Diagnosis	ICD-10-CM
A311	Cutaneous mycobacterial infection	Diagnosis	ICD-10-CM
A312	Dissem mycobacterium avium-intracellulare complex (DMAC)	Diagnosis	ICD-10-CM
A318	Other mycobacterial infections	Diagnosis	ICD-10-CM
A319	Mycobacterial infection, unspecified	Diagnosis	ICD-10-CM
A320	Cutaneous listeriosis	Diagnosis	ICD-10-CM
A3211	Listerial meningitis	Diagnosis	ICD-10-CM
A3211	Listerial meningitis	Diagnosis	ICD-10-CM
A3212	Listerial meningoencephalitis	Diagnosis	ICD-10-CM
A327	Listerial sepsis	Diagnosis	ICD-10-CM
A327	Listerial sepsis	Diagnosis	ICD-10-CM
A3281	Oculoglandular listeriosis	Diagnosis	ICD-10-CM
A3282	Listerial endocarditis	Diagnosis	ICD-10-CM
A3282	Listerial endocarditis	Diagnosis	ICD-10-CM
A3289	Other forms of listeriosis	Diagnosis	ICD-10-CM
A329	Listeriosis, unspecified	Diagnosis	ICD-10-CM
A33	Tetanus neonatorum	Diagnosis	ICD-10-CM
A34	Obstetrical tetanus	Diagnosis	ICD-10-CM
A35	Other tetanus	Diagnosis	ICD-10-CM
A360	Pharyngeal diphtheria	Diagnosis	ICD-10-CM
A361	Nasopharyngeal diphtheria	Diagnosis	ICD-10-CM
A362	Laryngeal diphtheria	Diagnosis	ICD-10-CM
A363	Cutaneous diphtheria	Diagnosis	ICD-10-CM
A363	Cutaneous diphtheria	Diagnosis	ICD-10-CM
A3681	Diphtheritic cardiomyopathy	Diagnosis	ICD-10-CM
A3682	Diphtheritic radiculomyelitis	Diagnosis	ICD-10-CM
A3683	Diphtheritic polyneuritis	Diagnosis	ICD-10-CM
A3684	Diphtheritic tubulo-interstitial nephropathy	Diagnosis	ICD-10-CM
A3685	Diphtheritic cystitis	Diagnosis	ICD-10-CM
A3686	Diphtheritic conjunctivitis	Diagnosis	ICD-10-CM
A3689	Other diphtheritic complications	Diagnosis	ICD-10-CM
A369	Diphtheria, unspecified	Diagnosis	ICD-10-CM
A3700	Whooping cough due to Bordetella pertussis without pneumonia	Diagnosis	ICD-10-CM
A3701	Whooping cough due to Bordetella pertussis with pneumonia	Diagnosis	ICD-10-CM
A3701	Whooping cough due to Bordetella pertussis with pneumonia	Diagnosis	ICD-10-CM
A3710	Whooping cough due to Bordetella parapertussis w/o pneumonia	Diagnosis	ICD-10-CM
A3711	Whooping cough due to Bordetella parapertussis w pneumonia	Diagnosis	ICD-10-CM
A3711	Whooping cough due to Bordetella parapertussis w pneumonia	Diagnosis	ICD-10-CM
A3780	Whooping cough due to other Bordetella species w/o pneumonia	Diagnosis	ICD-10-CM
A3781	Whooping cough due to oth Bordetella species with pneumonia	Diagnosis	ICD-10-CM
A3781	Whooping cough due to oth Bordetella species with pneumonia	Diagnosis	ICD-10-CM
A3790	Whooping cough, unspecified species without pneumonia	Diagnosis	ICD-10-CM
A3791	Whooping cough, unspecified species with pneumonia	Diagnosis	ICD-10-CM
A3791	Whooping cough, unspecified species with pneumonia	Diagnosis	ICD-10-CM
A380	Scarlet fever with otitis media	Diagnosis	ICD-10-CM
A381	Scarlet fever with myocarditis	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A388	Scarlet fever with other complications	Diagnosis	ICD-10-CM
A389	Scarlet fever, uncomplicated	Diagnosis	ICD-10-CM
A390	Meningococcal meningitis	Diagnosis	ICD-10-CM
A390	Meningococcal meningitis	Diagnosis	ICD-10-CM
A391	Waterhouse-Friderichsen syndrome	Diagnosis	ICD-10-CM
A392	Acute meningococemia	Diagnosis	ICD-10-CM
A392	Acute meningococemia	Diagnosis	ICD-10-CM
A393	Chronic meningococemia	Diagnosis	ICD-10-CM
A394	Meningococemia, unspecified	Diagnosis	ICD-10-CM
A394	Meningococemia, unspecified	Diagnosis	ICD-10-CM
A3950	Meningococcal carditis, unspecified	Diagnosis	ICD-10-CM
A3951	Meningococcal endocarditis	Diagnosis	ICD-10-CM
A3952	Meningococcal myocarditis	Diagnosis	ICD-10-CM
A3953	Meningococcal pericarditis	Diagnosis	ICD-10-CM
A3981	Meningococcal encephalitis	Diagnosis	ICD-10-CM
A3982	Meningococcal retrobulbar neuritis	Diagnosis	ICD-10-CM
A3983	Meningococcal arthritis	Diagnosis	ICD-10-CM
A3989	Other meningococcal infections	Diagnosis	ICD-10-CM
A399	Meningococcal infection, unspecified	Diagnosis	ICD-10-CM
A400	Sepsis due to streptococcus, group A	Diagnosis	ICD-10-CM
A400	Sepsis due to streptococcus, group A	Diagnosis	ICD-10-CM
A401	Sepsis due to streptococcus, group B	Diagnosis	ICD-10-CM
A401	Sepsis due to streptococcus, group B	Diagnosis	ICD-10-CM
A403	Sepsis due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
A403	Sepsis due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
A408	Other streptococcal sepsis	Diagnosis	ICD-10-CM
A408	Other streptococcal sepsis	Diagnosis	ICD-10-CM
A409	Streptococcal sepsis, unspecified	Diagnosis	ICD-10-CM
A409	Streptococcal sepsis, unspecified	Diagnosis	ICD-10-CM
A41	Other sepsis	Diagnosis	ICD-10-CM
A410	Sepsis due to Staphylococcus aureus	Diagnosis	ICD-10-CM
A4101	Sepsis due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
A4101	Sepsis due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
A4102	Sepsis due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
A4102	Sepsis due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
A411	Sepsis due to other specified staphylococcus	Diagnosis	ICD-10-CM
A411	Sepsis due to other specified staphylococcus	Diagnosis	ICD-10-CM
A412	Sepsis due to unspecified staphylococcus	Diagnosis	ICD-10-CM
A412	Sepsis due to unspecified staphylococcus	Diagnosis	ICD-10-CM
A413	Sepsis due to Hemophilus influenzae	Diagnosis	ICD-10-CM
A413	Sepsis due to Hemophilus influenzae	Diagnosis	ICD-10-CM
A414	Sepsis due to anaerobes	Diagnosis	ICD-10-CM
A414	Sepsis due to anaerobes	Diagnosis	ICD-10-CM
A415	Sepsis due to other Gram-negative organisms	Diagnosis	ICD-10-CM
A4150	Gram-negative sepsis, unspecified	Diagnosis	ICD-10-CM
A4150	Gram-negative sepsis, unspecified	Diagnosis	ICD-10-CM
A4151	Sepsis due to Escherichia coli [E. coli]	Diagnosis	ICD-10-CM
A4151	Sepsis due to Escherichia coli [E. coli]	Diagnosis	ICD-10-CM
A4152	Sepsis due to Pseudomonas	Diagnosis	ICD-10-CM
A4152	Sepsis due to Pseudomonas	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A4153	Sepsis due to Serratia	Diagnosis	ICD-10-CM
A4153	Sepsis due to Serratia	Diagnosis	ICD-10-CM
A4159	Other Gram-negative sepsis	Diagnosis	ICD-10-CM
A4159	Other Gram-negative sepsis	Diagnosis	ICD-10-CM
A418	Other specified sepsis	Diagnosis	ICD-10-CM
A4181	Sepsis due to Enterococcus	Diagnosis	ICD-10-CM
A4181	Sepsis due to Enterococcus	Diagnosis	ICD-10-CM
A4189	Other specified sepsis	Diagnosis	ICD-10-CM
A419	Sepsis, unspecified organism	Diagnosis	ICD-10-CM
A420	Pulmonary actinomycosis	Diagnosis	ICD-10-CM
A421	Abdominal actinomycosis	Diagnosis	ICD-10-CM
A422	Cervicofacial actinomycosis	Diagnosis	ICD-10-CM
A427	Actinomycotic sepsis	Diagnosis	ICD-10-CM
A427	Actinomycotic sepsis	Diagnosis	ICD-10-CM
A4281	Actinomycotic meningitis	Diagnosis	ICD-10-CM
A4281	Actinomycotic meningitis	Diagnosis	ICD-10-CM
A4282	Actinomycotic encephalitis	Diagnosis	ICD-10-CM
A4289	Other forms of actinomycosis	Diagnosis	ICD-10-CM
A429	Actinomycosis, unspecified	Diagnosis	ICD-10-CM
A430	Pulmonary nocardiosis	Diagnosis	ICD-10-CM
A430	Pulmonary nocardiosis	Diagnosis	ICD-10-CM
A431	Cutaneous nocardiosis	Diagnosis	ICD-10-CM
A431	Cutaneous nocardiosis	Diagnosis	ICD-10-CM
A438	Other forms of nocardiosis	Diagnosis	ICD-10-CM
A439	Nocardiosis, unspecified	Diagnosis	ICD-10-CM
A440	Systemic bartonellosis	Diagnosis	ICD-10-CM
A441	Cutaneous and mucocutaneous bartonellosis	Diagnosis	ICD-10-CM
A448	Other forms of bartonellosis	Diagnosis	ICD-10-CM
A449	Bartonellosis, unspecified	Diagnosis	ICD-10-CM
A46	Erysipelas	Diagnosis	ICD-10-CM
A480	Gas gangrene	Diagnosis	ICD-10-CM
A481	Legionnaires' disease	Diagnosis	ICD-10-CM
A482	Nonpneumonic Legionnaires' disease [Pontiac fever]	Diagnosis	ICD-10-CM
A483	Toxic shock syndrome	Diagnosis	ICD-10-CM
A484	Brazilian purpuric fever	Diagnosis	ICD-10-CM
A4851	Infant botulism	Diagnosis	ICD-10-CM
A4852	Wound botulism	Diagnosis	ICD-10-CM
A488	Other specified bacterial diseases	Diagnosis	ICD-10-CM
A4901	Methicillin suscep staph infection, unsp site	Diagnosis	ICD-10-CM
A4902	Methicillin resis staph infection, unsp site	Diagnosis	ICD-10-CM
A491	Streptococcal infection, unspecified site	Diagnosis	ICD-10-CM
A492	Hemophilus influenzae infection, unspecified site	Diagnosis	ICD-10-CM
A493	Mycoplasma infection, unspecified site	Diagnosis	ICD-10-CM
A498	Other bacterial infections of unspecified site	Diagnosis	ICD-10-CM
A499	Bacterial infection, unspecified	Diagnosis	ICD-10-CM
A510	Primary genital syphilis	Diagnosis	ICD-10-CM
A511	Primary anal syphilis	Diagnosis	ICD-10-CM
A512	Primary syphilis of other sites	Diagnosis	ICD-10-CM
A5131	Condyloma latum	Diagnosis	ICD-10-CM
A5132	Syphilitic alopecia	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A5139	Other secondary syphilis of skin	Diagnosis	ICD-10-CM
A5141	Secondary syphilitic meningitis	Diagnosis	ICD-10-CM
A5142	Secondary syphilitic female pelvic disease	Diagnosis	ICD-10-CM
A5143	Secondary syphilitic ophthalmopathy	Diagnosis	ICD-10-CM
A5144	Secondary syphilitic nephritis	Diagnosis	ICD-10-CM
A5145	Secondary syphilitic hepatitis	Diagnosis	ICD-10-CM
A5146	Secondary syphilitic osteopathy	Diagnosis	ICD-10-CM
A5149	Other secondary syphilitic conditions	Diagnosis	ICD-10-CM
A515	Early syphilis, latent	Diagnosis	ICD-10-CM
A519	Early syphilis, unspecified	Diagnosis	ICD-10-CM
A5200	Cardiovascular syphilis, unspecified	Diagnosis	ICD-10-CM
A5201	Syphilitic aneurysm of aorta	Diagnosis	ICD-10-CM
A5202	Syphilitic aortitis	Diagnosis	ICD-10-CM
A5203	Syphilitic endocarditis	Diagnosis	ICD-10-CM
A5204	Syphilitic cerebral arteritis	Diagnosis	ICD-10-CM
A5205	Other cerebrovascular syphilis	Diagnosis	ICD-10-CM
A5206	Other syphilitic heart involvement	Diagnosis	ICD-10-CM
A5209	Other cardiovascular syphilis	Diagnosis	ICD-10-CM
A5210	Symptomatic neurosyphilis, unspecified	Diagnosis	ICD-10-CM
A5211	Tabes dorsalis	Diagnosis	ICD-10-CM
A5212	Other cerebrospinal syphilis	Diagnosis	ICD-10-CM
A5219	Other symptomatic neurosyphilis	Diagnosis	ICD-10-CM
A522	Asymptomatic neurosyphilis	Diagnosis	ICD-10-CM
A523	Neurosyphilis, unspecified	Diagnosis	ICD-10-CM
A5272	Syphilis of lung and bronchus	Diagnosis	ICD-10-CM
A5274	Syphilis of liver and other viscera	Diagnosis	ICD-10-CM
A5275	Syphilis of kidney and ureter	Diagnosis	ICD-10-CM
A5276	Other genitourinary symptomatic late syphilis	Diagnosis	ICD-10-CM
A5277	Syphilis of bone and joint	Diagnosis	ICD-10-CM
A5278	Syphilis of other musculoskeletal tissue	Diagnosis	ICD-10-CM
A530	Latent syphilis, unspecified as early or late	Diagnosis	ICD-10-CM
A539	Syphilis, unspecified	Diagnosis	ICD-10-CM
A5400	Gonococcal infection of lower genitourinary tract, unsp	Diagnosis	ICD-10-CM
A5401	Gonococcal cystitis and urethritis, unspecified	Diagnosis	ICD-10-CM
A5402	Gonococcal vulvovaginitis, unspecified	Diagnosis	ICD-10-CM
A5403	Gonococcal cervicitis, unspecified	Diagnosis	ICD-10-CM
A5409	Other gonococcal infection of lower genitourinary tract	Diagnosis	ICD-10-CM
A541	Gonococcal infection of lower GU tract w periureth and acc gland abs	Diagnosis	ICD-10-CM
A5421	Gonococcal infection of kidney and ureter	Diagnosis	ICD-10-CM
A5422	Gonococcal prostatitis	Diagnosis	ICD-10-CM
A5423	Gonococcal infection of other male genital organs	Diagnosis	ICD-10-CM
A5424	Gonococcal female pelvic inflammatory disease	Diagnosis	ICD-10-CM
A5429	Other gonococcal genitourinary infections	Diagnosis	ICD-10-CM
A5430	Gonococcal infection of eye, unspecified	Diagnosis	ICD-10-CM
A5431	Gonococcal conjunctivitis	Diagnosis	ICD-10-CM
A5432	Gonococcal iridocyclitis	Diagnosis	ICD-10-CM
A5433	Gonococcal keratitis	Diagnosis	ICD-10-CM
A5439	Other gonococcal eye infection	Diagnosis	ICD-10-CM
A5440	Gonococcal infection of musculoskeletal system, unspecified	Diagnosis	ICD-10-CM
A5441	Gonococcal spondylopathy	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A5442	Gonococcal arthritis	Diagnosis	ICD-10-CM
A5443	Gonococcal osteomyelitis	Diagnosis	ICD-10-CM
A5449	Gonococcal infection of other musculoskeletal tissue	Diagnosis	ICD-10-CM
A545	Gonococcal pharyngitis	Diagnosis	ICD-10-CM
A546	Gonococcal infection of anus and rectum	Diagnosis	ICD-10-CM
A5481	Gonococcal meningitis	Diagnosis	ICD-10-CM
A5482	Gonococcal brain abscess	Diagnosis	ICD-10-CM
A5483	Gonococcal heart infection	Diagnosis	ICD-10-CM
A5484	Gonococcal pneumonia	Diagnosis	ICD-10-CM
A5485	Gonococcal peritonitis	Diagnosis	ICD-10-CM
A5486	Gonococcal sepsis	Diagnosis	ICD-10-CM
A5489	Other gonococcal infections	Diagnosis	ICD-10-CM
A549	Gonococcal infection, unspecified	Diagnosis	ICD-10-CM
A55	Chlamydial lymphogranuloma (venereum)	Diagnosis	ICD-10-CM
A5600	Chlamydial infection of lower genitourinary tract, unsp	Diagnosis	ICD-10-CM
A5601	Chlamydial cystitis and urethritis	Diagnosis	ICD-10-CM
A5602	Chlamydial vulvovaginitis	Diagnosis	ICD-10-CM
A5609	Other chlamydial infection of lower genitourinary tract	Diagnosis	ICD-10-CM
A5611	Chlamydial female pelvic inflammatory disease	Diagnosis	ICD-10-CM
A5619	Other chlamydial genitourinary infection	Diagnosis	ICD-10-CM
A562	Chlamydial infection of genitourinary tract, unspecified	Diagnosis	ICD-10-CM
A563	Chlamydial infection of anus and rectum	Diagnosis	ICD-10-CM
A564	Chlamydial infection of pharynx	Diagnosis	ICD-10-CM
A568	Sexually transmitted chlamydial infection of other sites	Diagnosis	ICD-10-CM
A57	Chancroid	Diagnosis	ICD-10-CM
A58	Granuloma inguinale	Diagnosis	ICD-10-CM
A65	Nonvenereal syphilis	Diagnosis	ICD-10-CM
A660	Initial lesions of yaws	Diagnosis	ICD-10-CM
A661	Multiple papillomata and wet crab yaws	Diagnosis	ICD-10-CM
A662	Other early skin lesions of yaws	Diagnosis	ICD-10-CM
A663	Hyperkeratosis of yaws	Diagnosis	ICD-10-CM
A664	Gummata and ulcers of yaws	Diagnosis	ICD-10-CM
A665	Gangosa	Diagnosis	ICD-10-CM
A666	Bone and joint lesions of yaws	Diagnosis	ICD-10-CM
A667	Other manifestations of yaws	Diagnosis	ICD-10-CM
A668	Latent yaws	Diagnosis	ICD-10-CM
A669	Yaws, unspecified	Diagnosis	ICD-10-CM
A670	Primary lesions of pinta	Diagnosis	ICD-10-CM
A671	Intermediate lesions of pinta	Diagnosis	ICD-10-CM
A672	Late lesions of pinta	Diagnosis	ICD-10-CM
A673	Mixed lesions of pinta	Diagnosis	ICD-10-CM
A679	Pinta, unspecified	Diagnosis	ICD-10-CM
A680	Louse-borne relapsing fever	Diagnosis	ICD-10-CM
A681	Tick-borne relapsing fever	Diagnosis	ICD-10-CM
A689	Relapsing fever, unspecified	Diagnosis	ICD-10-CM
A690	Necrotizing ulcerative stomatitis	Diagnosis	ICD-10-CM
A691	Other Vincent's infections	Diagnosis	ICD-10-CM
A6920	Lyme disease, unspecified	Diagnosis	ICD-10-CM
A6921	Meningitis due to Lyme disease	Diagnosis	ICD-10-CM
A6922	Other neurologic disorders in Lyme disease	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A6923	Arthritis due to Lyme disease	Diagnosis	ICD-10-CM
A6929	Other conditions associated with Lyme disease	Diagnosis	ICD-10-CM
A698	Other specified spirochetal infections	Diagnosis	ICD-10-CM
A699	Spirochetal infection, unspecified	Diagnosis	ICD-10-CM
A70	Chlamydia psittaci infections	Diagnosis	ICD-10-CM
A710	Initial stage of trachoma	Diagnosis	ICD-10-CM
A711	Active stage of trachoma	Diagnosis	ICD-10-CM
A719	Trachoma, unspecified	Diagnosis	ICD-10-CM
A740	Chlamydial conjunctivitis	Diagnosis	ICD-10-CM
A7481	Chlamydial peritonitis	Diagnosis	ICD-10-CM
A7489	Other chlamydial diseases	Diagnosis	ICD-10-CM
A749	Chlamydial infection, unspecified	Diagnosis	ICD-10-CM
A750	Epidemic louse-borne typhus fever d/t Rickettsia prowazekii	Diagnosis	ICD-10-CM
A751	Recrudescence typhus [Brill's disease]	Diagnosis	ICD-10-CM
A752	Typhus fever due to Rickettsia typhi	Diagnosis	ICD-10-CM
A753	Typhus fever due to Rickettsia tsutsugamushi	Diagnosis	ICD-10-CM
A759	Typhus fever, unspecified	Diagnosis	ICD-10-CM
A770	Spotted fever due to Rickettsia rickettsii	Diagnosis	ICD-10-CM
A771	Spotted fever due to Rickettsia conorii	Diagnosis	ICD-10-CM
A772	Spotted fever due to Rickettsia siberica	Diagnosis	ICD-10-CM
A773	Spotted fever due to Rickettsia australis	Diagnosis	ICD-10-CM
A7740	Ehrlichiosis, unspecified	Diagnosis	ICD-10-CM
A7741	Ehrlichiosis chafeensis [E. chafeensis]	Diagnosis	ICD-10-CM
A7749	Other ehrlichiosis	Diagnosis	ICD-10-CM
A778	Other spotted fevers	Diagnosis	ICD-10-CM
A779	Spotted fever, unspecified	Diagnosis	ICD-10-CM
A78	Q fever	Diagnosis	ICD-10-CM
A790	Trench fever	Diagnosis	ICD-10-CM
A791	Rickettsialpox due to Rickettsia akari	Diagnosis	ICD-10-CM
A7981	Rickettsiosis due to Ehrlichia sennetsu	Diagnosis	ICD-10-CM
A7989	Other specified rickettsioses	Diagnosis	ICD-10-CM
A799	Rickettsiosis, unspecified	Diagnosis	ICD-10-CM
B950	Streptococcus, group A, causing diseases classd elswhr	Diagnosis	ICD-10-CM
B951	Streptococcus, group B, causing diseases classd elswhr	Diagnosis	ICD-10-CM
B952	Enterococcus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B953	Streptococcus pneumoniae causing diseases classd elswhr	Diagnosis	ICD-10-CM
B954	Oth streptococcus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B955	Unsp streptococcus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9561	Methicillin suscep staph infct causing dis classd elswhr	Diagnosis	ICD-10-CM
B9562	Methicillin resis staph infct causing diseases classd elswhr	Diagnosis	ICD-10-CM
B957	Oth staphylococcus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B958	Unsp staphylococcus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B960	Mycoplasma pneumoniae as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B961	Klebsiella pneumoniae as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9620	Unsp Escherichia coli as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9621	Shiga toxin E coli (STEC) O157 causing dis classd elswhr	Diagnosis	ICD-10-CM
B9622	Oth shiga toxin E coli (STEC) causing diseases classd elswhr	Diagnosis	ICD-10-CM
B9623	Unsp shiga toxin E coli (STEC) causing dis classd elswhr	Diagnosis	ICD-10-CM
B9629	Oth Escherichia coli as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B963	Hemophilus influenzae as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B964	Proteus (mirabilis) (morganii) causing dis classd elswhr	Diagnosis	ICD-10-CM
B965	Pseudomonas (mallei) causing diseases classd elswhr	Diagnosis	ICD-10-CM
B966	Bacteroides fragilis as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B967	Clostridium perfringens causing diseases classd elswhr	Diagnosis	ICD-10-CM
B9681	Helicobacter pylori as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9682	Vibrio vulnificus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9689	Oth bacterial agents as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
G00	Bacterial meningitis, not elsewhere classified	Diagnosis	ICD-10-CM
G000	Hemophilus meningitis	Diagnosis	ICD-10-CM
G001	Pneumococcal meningitis	Diagnosis	ICD-10-CM
G002	Streptococcal meningitis	Diagnosis	ICD-10-CM
G003	Staphylococcal meningitis	Diagnosis	ICD-10-CM
G008	Other bacterial meningitis	Diagnosis	ICD-10-CM
G009	Bacterial meningitis, unspecified	Diagnosis	ICD-10-CM
G01	Meningitis in bacterial diseases classified elsewhere	Diagnosis	ICD-10-CM
J020	Streptococcal pharyngitis	Diagnosis	ICD-10-CM
J0300	Acute streptococcal tonsillitis, unspecified	Diagnosis	ICD-10-CM
J0301	Acute recurrent streptococcal tonsillitis	Diagnosis	ICD-10-CM
J13	Pneumonia due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J15	Bacterial pneumonia, not elsewhere classified	Diagnosis	ICD-10-CM
J150	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-10-CM
J151	Pneumonia due to Pseudomonas	Diagnosis	ICD-10-CM
J152	Pneumonia due to staphylococcus	Diagnosis	ICD-10-CM
J1520	Pneumonia due to staphylococcus, unspecified	Diagnosis	ICD-10-CM
J1521	Pneumonia due to staphylococcus aureus	Diagnosis	ICD-10-CM
J15211	Pneumonia due to methicillin suscep staph	Diagnosis	ICD-10-CM
J15212	Pneumonia due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
J1529	Pneumonia due to other staphylococcus	Diagnosis	ICD-10-CM
J153	Pneumonia due to streptococcus, group B	Diagnosis	ICD-10-CM
J154	Pneumonia due to other streptococci	Diagnosis	ICD-10-CM
J155	Pneumonia due to Escherichia coli	Diagnosis	ICD-10-CM
J156	Pneumonia due to other aerobic Gram-negative bacteria	Diagnosis	ICD-10-CM
J157	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J158	Pneumonia due to other specified bacteria	Diagnosis	ICD-10-CM
J159	Unspecified bacterial pneumonia	Diagnosis	ICD-10-CM
J160	Chlamydial pneumonia	Diagnosis	ICD-10-CM
J200	Acute bronchitis due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J201	Acute bronchitis due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J202	Acute bronchitis due to streptococcus	Diagnosis	ICD-10-CM
J203	Acute bronchitis due to coxsackievirus	Diagnosis	ICD-10-CM
J204	Acute bronchitis due to parainfluenza virus	Diagnosis	ICD-10-CM
J205	Acute bronchitis due to respiratory syncytial virus	Diagnosis	ICD-10-CM
J206	Acute bronchitis due to rhinovirus	Diagnosis	ICD-10-CM
J207	Acute bronchitis due to echovirus	Diagnosis	ICD-10-CM
J210	Acute bronchiolitis due to respiratory syncytial virus	Diagnosis	ICD-10-CM
J211	Acute bronchiolitis due to human metapneumovirus	Diagnosis	ICD-10-CM
L0100	Impetigo, unspecified	Diagnosis	ICD-10-CM
L0101	Non-bullous impetigo	Diagnosis	ICD-10-CM
L0102	Bockhart's impetigo	Diagnosis	ICD-10-CM



**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
L0103	Bullous impetigo	Diagnosis	ICD-10-CM
L0109	Other impetigo	Diagnosis	ICD-10-CM
L011	Impetiginization of other dermatoses	Diagnosis	ICD-10-CM
M0000	Staphylococcal arthritis, unspecified joint	Diagnosis	ICD-10-CM
M00011	Staphylococcal arthritis, right shoulder	Diagnosis	ICD-10-CM
M00012	Staphylococcal arthritis, left shoulder	Diagnosis	ICD-10-CM
M00019	Staphylococcal arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M00021	Staphylococcal arthritis, right elbow	Diagnosis	ICD-10-CM
M00022	Staphylococcal arthritis, left elbow	Diagnosis	ICD-10-CM
M00029	Staphylococcal arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M00031	Staphylococcal arthritis, right wrist	Diagnosis	ICD-10-CM
M00032	Staphylococcal arthritis, left wrist	Diagnosis	ICD-10-CM
M00039	Staphylococcal arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M00041	Staphylococcal arthritis, right hand	Diagnosis	ICD-10-CM
M00042	Staphylococcal arthritis, left hand	Diagnosis	ICD-10-CM
M00049	Staphylococcal arthritis, unspecified hand	Diagnosis	ICD-10-CM
M00051	Staphylococcal arthritis, right hip	Diagnosis	ICD-10-CM
M00052	Staphylococcal arthritis, left hip	Diagnosis	ICD-10-CM
M00059	Staphylococcal arthritis, unspecified hip	Diagnosis	ICD-10-CM
M00061	Staphylococcal arthritis, right knee	Diagnosis	ICD-10-CM
M00062	Staphylococcal arthritis, left knee	Diagnosis	ICD-10-CM
M00069	Staphylococcal arthritis, unspecified knee	Diagnosis	ICD-10-CM
M00071	Staphylococcal arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M00072	Staphylococcal arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M00079	Staphylococcal arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0008	Staphylococcal arthritis, vertebrae	Diagnosis	ICD-10-CM
M0009	Staphylococcal polyarthritis	Diagnosis	ICD-10-CM
M0010	Pneumococcal arthritis, unspecified joint	Diagnosis	ICD-10-CM
M00111	Pneumococcal arthritis, right shoulder	Diagnosis	ICD-10-CM
M00112	Pneumococcal arthritis, left shoulder	Diagnosis	ICD-10-CM
M00119	Pneumococcal arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M00121	Pneumococcal arthritis, right elbow	Diagnosis	ICD-10-CM
M00122	Pneumococcal arthritis, left elbow	Diagnosis	ICD-10-CM
M00129	Pneumococcal arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M00131	Pneumococcal arthritis, right wrist	Diagnosis	ICD-10-CM
M00132	Pneumococcal arthritis, left wrist	Diagnosis	ICD-10-CM
M00139	Pneumococcal arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M00141	Pneumococcal arthritis, right hand	Diagnosis	ICD-10-CM
M00142	Pneumococcal arthritis, left hand	Diagnosis	ICD-10-CM
M00149	Pneumococcal arthritis, unspecified hand	Diagnosis	ICD-10-CM
M00151	Pneumococcal arthritis, right hip	Diagnosis	ICD-10-CM
M00152	Pneumococcal arthritis, left hip	Diagnosis	ICD-10-CM
M00159	Pneumococcal arthritis, unspecified hip	Diagnosis	ICD-10-CM
M00161	Pneumococcal arthritis, right knee	Diagnosis	ICD-10-CM
M00162	Pneumococcal arthritis, left knee	Diagnosis	ICD-10-CM
M00169	Pneumococcal arthritis, unspecified knee	Diagnosis	ICD-10-CM
M00171	Pneumococcal arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M00172	Pneumococcal arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M00179	Pneumococcal arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0018	Pneumococcal arthritis, vertebrae	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M0019	Pneumococcal polyarthritis	Diagnosis	ICD-10-CM
M0020	Other streptococcal arthritis, unspecified joint	Diagnosis	ICD-10-CM
M00211	Other streptococcal arthritis, right shoulder	Diagnosis	ICD-10-CM
M00212	Other streptococcal arthritis, left shoulder	Diagnosis	ICD-10-CM
M00219	Other streptococcal arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M00221	Other streptococcal arthritis, right elbow	Diagnosis	ICD-10-CM
M00222	Other streptococcal arthritis, left elbow	Diagnosis	ICD-10-CM
M00229	Other streptococcal arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M00231	Other streptococcal arthritis, right wrist	Diagnosis	ICD-10-CM
M00232	Other streptococcal arthritis, left wrist	Diagnosis	ICD-10-CM
M00239	Other streptococcal arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M00241	Other streptococcal arthritis, right hand	Diagnosis	ICD-10-CM
M00242	Other streptococcal arthritis, left hand	Diagnosis	ICD-10-CM
M00249	Other streptococcal arthritis, unspecified hand	Diagnosis	ICD-10-CM
M00251	Other streptococcal arthritis, right hip	Diagnosis	ICD-10-CM
M00252	Other streptococcal arthritis, left hip	Diagnosis	ICD-10-CM
M00259	Other streptococcal arthritis, unspecified hip	Diagnosis	ICD-10-CM
M00261	Other streptococcal arthritis, right knee	Diagnosis	ICD-10-CM
M00262	Other streptococcal arthritis, left knee	Diagnosis	ICD-10-CM
M00269	Other streptococcal arthritis, unspecified knee	Diagnosis	ICD-10-CM
M00271	Other streptococcal arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M00272	Other streptococcal arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M00279	Other streptococcal arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M0028	Other streptococcal arthritis, vertebrae	Diagnosis	ICD-10-CM
M0029	Other streptococcal polyarthritis	Diagnosis	ICD-10-CM
P360	Sepsis of newborn due to streptococcus, group B	Diagnosis	ICD-10-CM
P3610	Sepsis of newborn due to unspecified streptococci	Diagnosis	ICD-10-CM
P3619	Sepsis of newborn due to other streptococci	Diagnosis	ICD-10-CM
P362	Sepsis of newborn due to Staphylococcus aureus	Diagnosis	ICD-10-CM
P3630	Sepsis of newborn due to unspecified staphylococci	Diagnosis	ICD-10-CM
P3639	Sepsis of newborn due to other staphylococci	Diagnosis	ICD-10-CM
P364	Sepsis of newborn due to Escherichia coli	Diagnosis	ICD-10-CM
P365	Sepsis of newborn due to anaerobes	Diagnosis	ICD-10-CM
P368	Other bacterial sepsis of newborn	Diagnosis	ICD-10-CM
P369	Bacterial sepsis of newborn, unspecified	Diagnosis	ICD-10-CM
P370	Congenital tuberculosis	Diagnosis	ICD-10-CM
R7881	Bacteremia	Diagnosis	ICD-10-CM
<b>Secondary viral infection</b>			
A080	Rotaviral enteritis	Diagnosis	ICD-10-CM
A0811	Acute gastroenteropathy due to Norwalk agent	Diagnosis	ICD-10-CM
A0819	Acute gastroenteropathy due to other small round viruses	Diagnosis	ICD-10-CM
A082	Adenoviral enteritis	Diagnosis	ICD-10-CM
A0831	Calicivirus enteritis	Diagnosis	ICD-10-CM
A0832	Astrovirus enteritis	Diagnosis	ICD-10-CM
A0839	Other viral enteritis	Diagnosis	ICD-10-CM
A084	Viral intestinal infection, unspecified	Diagnosis	ICD-10-CM
A6000	Herpesviral infection of urogenital system, unspecified	Diagnosis	ICD-10-CM
A6001	Herpesviral infection of penis	Diagnosis	ICD-10-CM
A6002	Herpesviral infection of other male genital organs	Diagnosis	ICD-10-CM
A6003	Herpesviral cervicitis	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A6004	Herpesviral vulvovaginitis	Diagnosis	ICD-10-CM
A6009	Herpesviral infection of other urogenital tract	Diagnosis	ICD-10-CM
A601	Herpesviral infection of perianal skin and rectum	Diagnosis	ICD-10-CM
A609	Anogenital herpesviral infection, unspecified	Diagnosis	ICD-10-CM
A630	Anogenital (venereal) warts	Diagnosis	ICD-10-CM
A801	Acute paralytic poliomyelitis, wild virus, imported	Diagnosis	ICD-10-CM
A802	Acute paralytic poliomyelitis, wild virus, indigenous	Diagnosis	ICD-10-CM
A8030	Acute paralytic poliomyelitis, unspecified	Diagnosis	ICD-10-CM
A8039	Other acute paralytic poliomyelitis	Diagnosis	ICD-10-CM
A804	Acute nonparalytic poliomyelitis	Diagnosis	ICD-10-CM
A809	Acute poliomyelitis, unspecified	Diagnosis	ICD-10-CM
A8189	Other atypical virus infections of central nervous system	Diagnosis	ICD-10-CM
A819	Atypical virus infection of central nervous system, unsp	Diagnosis	ICD-10-CM
A830	Japanese encephalitis	Diagnosis	ICD-10-CM
A831	Western equine encephalitis	Diagnosis	ICD-10-CM
A832	Eastern equine encephalitis	Diagnosis	ICD-10-CM
A833	St Louis encephalitis	Diagnosis	ICD-10-CM
A834	Australian encephalitis	Diagnosis	ICD-10-CM
A835	California encephalitis	Diagnosis	ICD-10-CM
A836	Rocio virus disease	Diagnosis	ICD-10-CM
A838	Other mosquito-borne viral encephalitis	Diagnosis	ICD-10-CM
A839	Mosquito-borne viral encephalitis, unspecified	Diagnosis	ICD-10-CM
A840	Far Eastern tick-borne encephalitis	Diagnosis	ICD-10-CM
A841	Central European tick-borne encephalitis	Diagnosis	ICD-10-CM
A848	Other tick-borne viral encephalitis	Diagnosis	ICD-10-CM
A849	Tick-borne viral encephalitis, unspecified	Diagnosis	ICD-10-CM
A850	Enteroviral encephalitis	Diagnosis	ICD-10-CM
A851	Adenoviral encephalitis	Diagnosis	ICD-10-CM
A852	Arthropod-borne viral encephalitis, unspecified	Diagnosis	ICD-10-CM
A858	Other specified viral encephalitis	Diagnosis	ICD-10-CM
A86	Unspecified viral encephalitis	Diagnosis	ICD-10-CM
A870	Enteroviral meningitis	Diagnosis	ICD-10-CM
A871	Adenoviral meningitis	Diagnosis	ICD-10-CM
A872	Lymphocytic choriomeningitis	Diagnosis	ICD-10-CM
A872	Lymphocytic choriomeningitis	Diagnosis	ICD-10-CM
A878	Other viral meningitis	Diagnosis	ICD-10-CM
A878	Other viral meningitis	Diagnosis	ICD-10-CM
A879	Viral meningitis, unspecified	Diagnosis	ICD-10-CM
A879	Viral meningitis, unspecified	Diagnosis	ICD-10-CM
A880	Enteroviral exanthematous fever [Boston exanthem]	Diagnosis	ICD-10-CM
A888	Other specified viral infections of central nervous system	Diagnosis	ICD-10-CM
A89	Unspecified viral infection of central nervous system	Diagnosis	ICD-10-CM
A90	Dengue fever [classical dengue]	Diagnosis	ICD-10-CM
A91	Dengue hemorrhagic fever	Diagnosis	ICD-10-CM
A920	Chikungunya virus disease	Diagnosis	ICD-10-CM
A921	O'nyong-nyong fever	Diagnosis	ICD-10-CM
A922	Venezuelan equine fever	Diagnosis	ICD-10-CM
A9230	West Nile virus infection, unspecified	Diagnosis	ICD-10-CM
A9231	West Nile virus infection with encephalitis	Diagnosis	ICD-10-CM
A9232	West Nile virus infection with oth neurologic manifestation	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A9239	West Nile virus infection with other complications	Diagnosis	ICD-10-CM
A924	Rift Valley fever	Diagnosis	ICD-10-CM
A925	Zika virus disease	Diagnosis	ICD-10-CM
A928	Other specified mosquito-borne viral fevers	Diagnosis	ICD-10-CM
A929	Mosquito-borne viral fever, unspecified	Diagnosis	ICD-10-CM
A930	Oropouche virus disease	Diagnosis	ICD-10-CM
A931	Sandfly fever	Diagnosis	ICD-10-CM
A932	Colorado tick fever	Diagnosis	ICD-10-CM
A938	Other specified arthropod-borne viral fevers	Diagnosis	ICD-10-CM
A94	Unspecified arthropod-borne viral fever	Diagnosis	ICD-10-CM
A950	Sylvatic yellow fever	Diagnosis	ICD-10-CM
A951	Urban yellow fever	Diagnosis	ICD-10-CM
A959	Yellow fever, unspecified	Diagnosis	ICD-10-CM
A960	Junin hemorrhagic fever	Diagnosis	ICD-10-CM
A961	Machupo hemorrhagic fever	Diagnosis	ICD-10-CM
A962	Lassa fever	Diagnosis	ICD-10-CM
A968	Other arenaviral hemorrhagic fevers	Diagnosis	ICD-10-CM
A969	Arenaviral hemorrhagic fever, unspecified	Diagnosis	ICD-10-CM
A980	Crimean-Congo hemorrhagic fever	Diagnosis	ICD-10-CM
A981	Omsk hemorrhagic fever	Diagnosis	ICD-10-CM
A982	Kyasanur Forest disease	Diagnosis	ICD-10-CM
A983	Marburg virus disease	Diagnosis	ICD-10-CM
A984	Ebola virus disease	Diagnosis	ICD-10-CM
A985	Hemorrhagic fever with renal syndrome	Diagnosis	ICD-10-CM
A988	Other specified viral hemorrhagic fevers	Diagnosis	ICD-10-CM
A99	Unspecified viral hemorrhagic fever	Diagnosis	ICD-10-CM
B000	Eczema herpeticum	Diagnosis	ICD-10-CM
B001	Herpesviral vesicular dermatitis	Diagnosis	ICD-10-CM
B002	Herpesviral gingivostomatitis and pharyngotonsillitis	Diagnosis	ICD-10-CM
B003	Herpesviral meningitis	Diagnosis	ICD-10-CM
B003	Herpesviral meningitis	Diagnosis	ICD-10-CM
B004	Herpesviral encephalitis	Diagnosis	ICD-10-CM
B0050	Herpesviral ocular disease, unspecified	Diagnosis	ICD-10-CM
B0051	Herpesviral iridocyclitis	Diagnosis	ICD-10-CM
B0052	Herpesviral keratitis	Diagnosis	ICD-10-CM
B0053	Herpesviral conjunctivitis	Diagnosis	ICD-10-CM
B0059	Other herpesviral disease of eye	Diagnosis	ICD-10-CM
B007	Disseminated herpesviral disease	Diagnosis	ICD-10-CM
B0081	Herpesviral hepatitis	Diagnosis	ICD-10-CM
B0082	Herpes simplex myelitis	Diagnosis	ICD-10-CM
B0089	Other herpesviral infection	Diagnosis	ICD-10-CM
B009	Herpesviral infection, unspecified	Diagnosis	ICD-10-CM
B010	Varicella meningitis	Diagnosis	ICD-10-CM
B010	Varicella meningitis	Diagnosis	ICD-10-CM
B0111	Varicella encephalitis and encephalomyelitis	Diagnosis	ICD-10-CM
B0112	Varicella myelitis	Diagnosis	ICD-10-CM
B012	Varicella pneumonia	Diagnosis	ICD-10-CM
B012	Varicella pneumonia	Diagnosis	ICD-10-CM
B0181	Varicella keratitis	Diagnosis	ICD-10-CM
B0189	Other varicella complications	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B019	Varicella without complication	Diagnosis	ICD-10-CM
B020	Zoster encephalitis	Diagnosis	ICD-10-CM
B021	Zoster meningitis	Diagnosis	ICD-10-CM
B021	Zoster meningitis	Diagnosis	ICD-10-CM
B0230	Zoster ocular disease, unspecified	Diagnosis	ICD-10-CM
B0231	Zoster conjunctivitis	Diagnosis	ICD-10-CM
B0232	Zoster iridocyclitis	Diagnosis	ICD-10-CM
B0233	Zoster keratitis	Diagnosis	ICD-10-CM
B0234	Zoster scleritis	Diagnosis	ICD-10-CM
B0239	Other herpes zoster eye disease	Diagnosis	ICD-10-CM
B027	Disseminated zoster	Diagnosis	ICD-10-CM
B028	Zoster with other complications	Diagnosis	ICD-10-CM
B029	Zoster without complications	Diagnosis	ICD-10-CM
B03	Smallpox	Diagnosis	ICD-10-CM
B04	Monkeypox	Diagnosis	ICD-10-CM
B050	Measles complicated by encephalitis	Diagnosis	ICD-10-CM
B051	Measles complicated by meningitis	Diagnosis	ICD-10-CM
B051	Measles complicated by meningitis	Diagnosis	ICD-10-CM
B052	Measles complicated by pneumonia	Diagnosis	ICD-10-CM
B052	Measles complicated by pneumonia	Diagnosis	ICD-10-CM
B053	Measles complicated by otitis media	Diagnosis	ICD-10-CM
B054	Measles with intestinal complications	Diagnosis	ICD-10-CM
B0581	Measles keratitis and keratoconjunctivitis	Diagnosis	ICD-10-CM
B0589	Other measles complications	Diagnosis	ICD-10-CM
B059	Measles without complication	Diagnosis	ICD-10-CM
B0600	Rubella with neurological complication, unspecified	Diagnosis	ICD-10-CM
B0601	Rubella encephalitis	Diagnosis	ICD-10-CM
B0602	Rubella meningitis	Diagnosis	ICD-10-CM
B0602	Rubella meningitis	Diagnosis	ICD-10-CM
B0609	Other neurological complications of rubella	Diagnosis	ICD-10-CM
B0681	Rubella pneumonia	Diagnosis	ICD-10-CM
B0681	Rubella pneumonia	Diagnosis	ICD-10-CM
B0682	Rubella arthritis	Diagnosis	ICD-10-CM
B0689	Other rubella complications	Diagnosis	ICD-10-CM
B069	Rubella without complication	Diagnosis	ICD-10-CM
B079	Viral wart, unspecified	Diagnosis	ICD-10-CM
B08010	Cowpox	Diagnosis	ICD-10-CM
B0802	Orf virus disease	Diagnosis	ICD-10-CM
B0803	Pseudocowpox [milker's node]	Diagnosis	ICD-10-CM
B0809	Other orthopoxvirus infections	Diagnosis	ICD-10-CM
B081	Molluscum contagiosum	Diagnosis	ICD-10-CM
B0820	Exanthema subitum [sixth disease], unspecified	Diagnosis	ICD-10-CM
B0821	Exanthema subitum [sixth disease] due to human herpesvirus 6	Diagnosis	ICD-10-CM
B0822	Exanthema subitum [sixth disease] due to human herpesvirus 7	Diagnosis	ICD-10-CM
B083	Erythema infectiosum [fifth disease]	Diagnosis	ICD-10-CM
B084	Enteroviral vesicular stomatitis with exanthem	Diagnosis	ICD-10-CM
B085	Enteroviral vesicular pharyngitis	Diagnosis	ICD-10-CM
B0860	Parapoxvirus infection, unspecified	Diagnosis	ICD-10-CM
B0861	Bovine stomatitis	Diagnosis	ICD-10-CM
B0862	Sealpox	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B0869	Other parapoxvirus infections	Diagnosis	ICD-10-CM
B0870	Yatapoxvirus infection, unspecified	Diagnosis	ICD-10-CM
B0871	Tanapox virus disease	Diagnosis	ICD-10-CM
B0872	Yaba pox virus disease	Diagnosis	ICD-10-CM
B0879	Other yatapoxvirus infections	Diagnosis	ICD-10-CM
B088	Oth viral infections with skin and mucous membrane lesions	Diagnosis	ICD-10-CM
B09	Unsp viral infection with skin and mucous membrane lesions	Diagnosis	ICD-10-CM
B1001	Human herpesvirus 6 encephalitis	Diagnosis	ICD-10-CM
B1009	Other human herpesvirus encephalitis	Diagnosis	ICD-10-CM
B1081	Human herpesvirus 6 infection	Diagnosis	ICD-10-CM
B1082	Human herpesvirus 7 infection	Diagnosis	ICD-10-CM
B1089	Other human herpesvirus infection	Diagnosis	ICD-10-CM
B150	Hepatitis A with hepatic coma	Diagnosis	ICD-10-CM
B159	Hepatitis A without hepatic coma	Diagnosis	ICD-10-CM
B160	Acute hepatitis B with delta-agent with hepatic coma	Diagnosis	ICD-10-CM
B161	Acute hepatitis B with delta-agent without hepatic coma	Diagnosis	ICD-10-CM
B162	Acute hepatitis B without delta-agent with hepatic coma	Diagnosis	ICD-10-CM
B169	Acute hepatitis B w/o delta-agent and without hepatic coma	Diagnosis	ICD-10-CM
B170	Acute delta-(super) infection of hepatitis B carrier	Diagnosis	ICD-10-CM
B1710	Acute hepatitis C without hepatic coma	Diagnosis	ICD-10-CM
B1711	Acute hepatitis C with hepatic coma	Diagnosis	ICD-10-CM
B172	Acute hepatitis E	Diagnosis	ICD-10-CM
B178	Other specified acute viral hepatitis	Diagnosis	ICD-10-CM
B179	Acute viral hepatitis, unspecified	Diagnosis	ICD-10-CM
B190	Unspecified viral hepatitis with hepatic coma	Diagnosis	ICD-10-CM
B1910	Unspecified viral hepatitis B without hepatic coma	Diagnosis	ICD-10-CM
B1911	Unspecified viral hepatitis B with hepatic coma	Diagnosis	ICD-10-CM
B1920	Unspecified viral hepatitis C without hepatic coma	Diagnosis	ICD-10-CM
B1921	Unspecified viral hepatitis C with hepatic coma	Diagnosis	ICD-10-CM
B199	Unspecified viral hepatitis without hepatic coma	Diagnosis	ICD-10-CM
B20	Human immunodeficiency virus [HIV] disease	Diagnosis	ICD-10-CM
B250	Cytomegaloviral pneumonitis	Diagnosis	ICD-10-CM
B250	Cytomegaloviral pneumonitis	Diagnosis	ICD-10-CM
B251	Cytomegaloviral hepatitis	Diagnosis	ICD-10-CM
B252	Cytomegaloviral pancreatitis	Diagnosis	ICD-10-CM
B258	Other cytomegaloviral diseases	Diagnosis	ICD-10-CM
B259	Cytomegaloviral disease, unspecified	Diagnosis	ICD-10-CM
B260	Mumps orchitis	Diagnosis	ICD-10-CM
B261	Mumps meningitis	Diagnosis	ICD-10-CM
B261	Mumps meningitis	Diagnosis	ICD-10-CM
B262	Mumps encephalitis	Diagnosis	ICD-10-CM
B263	Mumps pancreatitis	Diagnosis	ICD-10-CM
B2681	Mumps hepatitis	Diagnosis	ICD-10-CM
B2682	Mumps myocarditis	Diagnosis	ICD-10-CM
B2683	Mumps nephritis	Diagnosis	ICD-10-CM
B2684	Mumps polyneuropathy	Diagnosis	ICD-10-CM
B2685	Mumps arthritis	Diagnosis	ICD-10-CM
B2689	Other mumps complications	Diagnosis	ICD-10-CM
B269	Mumps without complication	Diagnosis	ICD-10-CM
B2700	Gammaherpesviral mononucleosis without complication	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B2701	Gammaherpesviral mononucleosis with polyneuropathy	Diagnosis	ICD-10-CM
B2702	Gammaherpesviral mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2702	Gammaherpesviral mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2709	Gammaherpesviral mononucleosis with other complications	Diagnosis	ICD-10-CM
B2710	Cytomegaloviral mononucleosis without complications	Diagnosis	ICD-10-CM
B2711	Cytomegaloviral mononucleosis with polyneuropathy	Diagnosis	ICD-10-CM
B2712	Cytomegaloviral mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2712	Cytomegaloviral mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2719	Cytomegaloviral mononucleosis with other complication	Diagnosis	ICD-10-CM
B2780	Other infectious mononucleosis without complication	Diagnosis	ICD-10-CM
B2781	Other infectious mononucleosis with polyneuropathy	Diagnosis	ICD-10-CM
B2782	Other infectious mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2789	Other infectious mononucleosis with other complication	Diagnosis	ICD-10-CM
B2790	Infectious mononucleosis, unspecified without complication	Diagnosis	ICD-10-CM
B2791	Infectious mononucleosis, unspecified with polyneuropathy	Diagnosis	ICD-10-CM
B2792	Infectious mononucleosis, unspecified with meningitis	Diagnosis	ICD-10-CM
B2799	Infectious mononucleosis, unsp with other complication	Diagnosis	ICD-10-CM
B300	Keratoconjunctivitis due to adenovirus	Diagnosis	ICD-10-CM
B301	Conjunctivitis due to adenovirus	Diagnosis	ICD-10-CM
B302	Viral pharyngoconjunctivitis	Diagnosis	ICD-10-CM
B303	Acute epidemic hemorrhagic conjunctivitis (enteroviral)	Diagnosis	ICD-10-CM
B308	Other viral conjunctivitis	Diagnosis	ICD-10-CM
B309	Viral conjunctivitis, unspecified	Diagnosis	ICD-10-CM
B330	Epidemic myalgia	Diagnosis	ICD-10-CM
B331	Ross River disease	Diagnosis	ICD-10-CM
B3320	Viral carditis, unspecified	Diagnosis	ICD-10-CM
B3321	Viral endocarditis	Diagnosis	ICD-10-CM
B3321	Viral endocarditis	Diagnosis	ICD-10-CM
B3322	Viral myocarditis	Diagnosis	ICD-10-CM
B3323	Viral pericarditis	Diagnosis	ICD-10-CM
B3324	Viral cardiomyopathy	Diagnosis	ICD-10-CM
B333	Retrovirus infections, not elsewhere classified	Diagnosis	ICD-10-CM
B334	Hantavirus (cardio)-pulmonary syndrome [HPS] [HCPS]	Diagnosis	ICD-10-CM
B338	Other specified viral diseases	Diagnosis	ICD-10-CM
B340	Adenovirus infection, unspecified	Diagnosis	ICD-10-CM
B341	Enterovirus infection, unspecified	Diagnosis	ICD-10-CM
B342	Coronavirus infection, unspecified	Diagnosis	ICD-10-CM
B343	Parvovirus infection, unspecified	Diagnosis	ICD-10-CM
B344	Papovavirus infection, unspecified	Diagnosis	ICD-10-CM
B348	Other viral infections of unspecified site	Diagnosis	ICD-10-CM
B349	Viral infection, unspecified	Diagnosis	ICD-10-CM
B970	Adenovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9710	Unsp enterovirus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9711	Coxsackievirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9712	Echovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9719	Oth enterovirus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9721	SARS-associated coronavirus causing diseases classd elswhr	Diagnosis	ICD-10-CM
B9729	Oth coronavirus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9730	Unsp retrovirus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9731	Lentivirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B9732	Oncovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9733	HTLV-I as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9734	HTLV-II as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9735	HIV 2 as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9739	Oth retrovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B974	Respiratory syncytial virus causing diseases classd elswhr	Diagnosis	ICD-10-CM
B975	Reovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B976	Parvovirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B977	Papillomavirus as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
B9781	Human metapneumovirus as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
B9789	Oth viral agents as the cause of diseases classd elswhr	Diagnosis	ICD-10-CM
J09X1	Influenza due to ident novel influenza A virus w pneumonia	Diagnosis	ICD-10-CM
J09X2	Flu due to ident novel influenza A virus w oth resp manifest	Diagnosis	ICD-10-CM
J09X3	Influenza due to ident novel influenza A virus w GI manifest	Diagnosis	ICD-10-CM
J09X9	Flu due to ident novel influenza A virus w oth manifest	Diagnosis	ICD-10-CM
J1000	Flu due to oth ident flu virus w unsp type of pneumonia	Diagnosis	ICD-10-CM
J1000	Flu due to oth ident flu virus w unsp type of pneumonia	Diagnosis	ICD-10-CM
J1001	Flu due to oth ident flu virus w same oth ident flu virus pn	Diagnosis	ICD-10-CM
J1008	Influenza due to oth ident influenza virus w oth pneumonia	Diagnosis	ICD-10-CM
J1008	Influenza due to oth ident influenza virus w oth pneumonia	Diagnosis	ICD-10-CM
J101	Flu due to oth ident influenza virus w oth resp manifest	Diagnosis	ICD-10-CM
J102	Influenza due to oth ident influenza virus w GI manifest	Diagnosis	ICD-10-CM
J1081	Influenza due to oth ident influenza virus w encephalopathy	Diagnosis	ICD-10-CM
J1082	Influenza due to oth ident influenza virus w myocarditis	Diagnosis	ICD-10-CM
J1083	Influenza due to oth ident influenza virus w otitis media	Diagnosis	ICD-10-CM
J1089	Influenza due to oth ident influenza virus w oth manifest	Diagnosis	ICD-10-CM
J1100	Flu due to unidentified flu virus w unsp type of pneumonia	Diagnosis	ICD-10-CM
J1100	Flu due to unidentified flu virus w unsp type of pneumonia	Diagnosis	ICD-10-CM
J1108	Flu due to unidentified flu virus w specified pneumonia	Diagnosis	ICD-10-CM
J1108	Flu due to unidentified flu virus w specified pneumonia	Diagnosis	ICD-10-CM
J111	Flu due to unidentified influenza virus w oth resp manifest	Diagnosis	ICD-10-CM
J112	Influenza due to unidentified influenza virus w GI manifest	Diagnosis	ICD-10-CM
J1181	Flu due to unidentified influenza virus w encephalopathy	Diagnosis	ICD-10-CM
J1182	Influenza due to unidentified influenza virus w myocarditis	Diagnosis	ICD-10-CM
J1183	Influenza due to unidentified influenza virus w otitis media	Diagnosis	ICD-10-CM
J1189	Influenza due to unidentified influenza virus w oth manifest	Diagnosis	ICD-10-CM
J12	Viral pneumonia	Diagnosis	ICD-10-CM
J120	Adenoviral pneumonia	Diagnosis	ICD-10-CM
J120	Adenoviral pneumonia	Diagnosis	ICD-10-CM
J121	Respiratory syncytial virus pneumonia	Diagnosis	ICD-10-CM
J121	Respiratory syncytial virus pneumonia	Diagnosis	ICD-10-CM
J122	Parainfluenza virus pneumonia	Diagnosis	ICD-10-CM
J122	Parainfluenza virus pneumonia	Diagnosis	ICD-10-CM
J123	Human metapneumovirus pneumonia	Diagnosis	ICD-10-CM
J123	Human metapneumovirus pneumonia	Diagnosis	ICD-10-CM
J128	Other viral pneumonia	Diagnosis	ICD-10-CM
J1281	Pneumonia due to SARS-associated coronavirus	Diagnosis	ICD-10-CM
J1281	Pneumonia due to SARS-associated coronavirus	Diagnosis	ICD-10-CM
J1289	Other viral pneumonia	Diagnosis	ICD-10-CM
J1289	Other viral pneumonia	Diagnosis	ICD-10-CM



**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
J129	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J129	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J203	Acute bronchitis due to coxsackievirus	Diagnosis	ICD-10-CM
J204	Acute bronchitis due to parainfluenza virus	Diagnosis	ICD-10-CM
J205	Acute bronchitis due to respiratory syncytial virus	Diagnosis	ICD-10-CM
J206	Acute bronchitis due to rhinovirus	Diagnosis	ICD-10-CM
J207	Acute bronchitis due to echovirus	Diagnosis	ICD-10-CM
J210	Acute bronchiolitis due to respiratory syncytial virus	Diagnosis	ICD-10-CM
J211	Acute bronchiolitis due to human metapneumovirus	Diagnosis	ICD-10-CM
<b>Fungal infection</b>			
B370	Candidal stomatitis	Diagnosis	ICD-10-CM
B371	Pulmonary candidiasis	Diagnosis	ICD-10-CM
B372	Candidiasis of skin and nail	Diagnosis	ICD-10-CM
B373	Candidiasis of vulva and vagina	Diagnosis	ICD-10-CM
B3741	Candidal cystitis and urethritis	Diagnosis	ICD-10-CM
B3742	Candidal balanitis	Diagnosis	ICD-10-CM
B3749	Other urogenital candidiasis	Diagnosis	ICD-10-CM
B375	Candidal meningitis	Diagnosis	ICD-10-CM
B375	Candidal meningitis	Diagnosis	ICD-10-CM
B376	Candidal endocarditis	Diagnosis	ICD-10-CM
B376	Candidal endocarditis	Diagnosis	ICD-10-CM
B377	Candidal sepsis	Diagnosis	ICD-10-CM
B377	Candidal sepsis	Diagnosis	ICD-10-CM
B3781	Candidal esophagitis	Diagnosis	ICD-10-CM
B3782	Candidal enteritis	Diagnosis	ICD-10-CM
B3783	Candidal cheilitis	Diagnosis	ICD-10-CM
B3784	Candidal otitis externa	Diagnosis	ICD-10-CM
B3789	Other sites of candidiasis	Diagnosis	ICD-10-CM
B379	Candidiasis, unspecified	Diagnosis	ICD-10-CM
B380	Acute pulmonary coccidioidomycosis	Diagnosis	ICD-10-CM
B380	Acute pulmonary coccidioidomycosis	Diagnosis	ICD-10-CM
B381	Chronic pulmonary coccidioidomycosis	Diagnosis	ICD-10-CM
B382	Pulmonary coccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B382	Pulmonary coccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B383	Cutaneous coccidioidomycosis	Diagnosis	ICD-10-CM
B384	Coccidioidomycosis meningitis	Diagnosis	ICD-10-CM
B384	Coccidioidomycosis meningitis	Diagnosis	ICD-10-CM
B387	Disseminated coccidioidomycosis	Diagnosis	ICD-10-CM
B3881	Prostatic coccidioidomycosis	Diagnosis	ICD-10-CM
B3889	Other forms of coccidioidomycosis	Diagnosis	ICD-10-CM
B389	Coccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B390	Acute pulmonary histoplasmosis capsulati	Diagnosis	ICD-10-CM
B390	Acute pulmonary histoplasmosis capsulati	Diagnosis	ICD-10-CM
B391	Chronic pulmonary histoplasmosis capsulati	Diagnosis	ICD-10-CM
B392	Pulmonary histoplasmosis capsulati, unspecified	Diagnosis	ICD-10-CM
B392	Pulmonary histoplasmosis capsulati, unspecified	Diagnosis	ICD-10-CM
B393	Disseminated histoplasmosis capsulati	Diagnosis	ICD-10-CM
B394	Histoplasmosis capsulati, unspecified	Diagnosis	ICD-10-CM
B395	Histoplasmosis duboisii	Diagnosis	ICD-10-CM
B399	Histoplasmosis, unspecified	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B400	Acute pulmonary blastomycosis	Diagnosis	ICD-10-CM
B401	Chronic pulmonary blastomycosis	Diagnosis	ICD-10-CM
B402	Pulmonary blastomycosis, unspecified	Diagnosis	ICD-10-CM
B403	Cutaneous blastomycosis	Diagnosis	ICD-10-CM
B407	Disseminated blastomycosis	Diagnosis	ICD-10-CM
B4081	Blastomycotic meningoencephalitis	Diagnosis	ICD-10-CM
B4089	Other forms of blastomycosis	Diagnosis	ICD-10-CM
B409	Blastomycosis, unspecified	Diagnosis	ICD-10-CM
B410	Pulmonary paracoccidioidomycosis	Diagnosis	ICD-10-CM
B417	Disseminated paracoccidioidomycosis	Diagnosis	ICD-10-CM
B418	Other forms of paracoccidioidomycosis	Diagnosis	ICD-10-CM
B419	Paracoccidioidomycosis, unspecified	Diagnosis	ICD-10-CM
B420	Pulmonary sporotrichosis	Diagnosis	ICD-10-CM
B421	Lymphocutaneous sporotrichosis	Diagnosis	ICD-10-CM
B427	Disseminated sporotrichosis	Diagnosis	ICD-10-CM
B4281	Cerebral sporotrichosis	Diagnosis	ICD-10-CM
B4282	Sporotrichosis arthritis	Diagnosis	ICD-10-CM
B4289	Other forms of sporotrichosis	Diagnosis	ICD-10-CM
B429	Sporotrichosis, unspecified	Diagnosis	ICD-10-CM
B430	Cutaneous chromomycosis	Diagnosis	ICD-10-CM
B431	Pheomycotic brain abscess	Diagnosis	ICD-10-CM
B432	Subcutaneous pheomycotic abscess and cyst	Diagnosis	ICD-10-CM
B438	Other forms of chromomycosis	Diagnosis	ICD-10-CM
B439	Chromomycosis, unspecified	Diagnosis	ICD-10-CM
B440	Invasive pulmonary aspergillosis	Diagnosis	ICD-10-CM
B441	Other pulmonary aspergillosis	Diagnosis	ICD-10-CM
B442	Tonsillar aspergillosis	Diagnosis	ICD-10-CM
B447	Disseminated aspergillosis	Diagnosis	ICD-10-CM
B4481	Allergic bronchopulmonary aspergillosis	Diagnosis	ICD-10-CM
B4489	Other forms of aspergillosis	Diagnosis	ICD-10-CM
B449	Aspergillosis, unspecified	Diagnosis	ICD-10-CM
B450	Pulmonary cryptococcosis	Diagnosis	ICD-10-CM
B451	Cerebral cryptococcosis	Diagnosis	ICD-10-CM
B451	Cerebral cryptococcosis	Diagnosis	ICD-10-CM
B452	Cutaneous cryptococcosis	Diagnosis	ICD-10-CM
B453	Osseous cryptococcosis	Diagnosis	ICD-10-CM
B457	Disseminated cryptococcosis	Diagnosis	ICD-10-CM
B458	Other forms of cryptococcosis	Diagnosis	ICD-10-CM
B459	Cryptococcosis, unspecified	Diagnosis	ICD-10-CM
B460	Pulmonary mucormycosis	Diagnosis	ICD-10-CM
B461	Rhinocerebral mucormycosis	Diagnosis	ICD-10-CM
B462	Gastrointestinal mucormycosis	Diagnosis	ICD-10-CM
B463	Cutaneous mucormycosis	Diagnosis	ICD-10-CM
B464	Disseminated mucormycosis	Diagnosis	ICD-10-CM
B465	Mucormycosis, unspecified	Diagnosis	ICD-10-CM
B468	Other zygomycoses	Diagnosis	ICD-10-CM
B469	Zygomycosis, unspecified	Diagnosis	ICD-10-CM
B470	Eumycetoma	Diagnosis	ICD-10-CM
B471	Actinomycetoma	Diagnosis	ICD-10-CM
B479	Mycetoma, unspecified	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
B480	Lobomycosis	Diagnosis	ICD-10-CM
B481	Rhinosporidiosis	Diagnosis	ICD-10-CM
B482	Allescheriasis	Diagnosis	ICD-10-CM
B483	Geotrichosis	Diagnosis	ICD-10-CM
B484	Penicillosis	Diagnosis	ICD-10-CM
B488	Other specified mycoses	Diagnosis	ICD-10-CM
B49	Unspecified mycosis	Diagnosis	ICD-10-CM
B583	Pulmonary toxoplasmosis	Diagnosis	ICD-10-CM
B59	Pneumocystosis	Diagnosis	ICD-10-CM
<b>Other infection</b>			
A5900	Urogenital trichomoniasis, unspecified	Diagnosis	ICD-10-CM
A5901	Trichomonal vulvovaginitis	Diagnosis	ICD-10-CM
A5902	Trichomonal prostatitis	Diagnosis	ICD-10-CM
A5903	Trichomonal cystitis and urethritis	Diagnosis	ICD-10-CM
A5909	Other urogenital trichomoniasis	Diagnosis	ICD-10-CM
A598	Trichomoniasis of other sites	Diagnosis	ICD-10-CM
A599	Trichomoniasis, unspecified	Diagnosis	ICD-10-CM
B570	Acute Chagas' disease with heart involvement	Diagnosis	ICD-10-CM
B571	Acute Chagas' disease without heart involvement	Diagnosis	ICD-10-CM
B572	Chagas' disease (chronic) with heart involvement	Diagnosis	ICD-10-CM
B5730	Chagas' disease with digestive system involvement, unsp	Diagnosis	ICD-10-CM
B5731	Megaesophagus in Chagas' disease	Diagnosis	ICD-10-CM
B5732	Megacolon in Chagas' disease	Diagnosis	ICD-10-CM
B5739	Other digestive system involvement in Chagas' disease	Diagnosis	ICD-10-CM
B5740	Chagas' disease with nervous system involvement, unspecified	Diagnosis	ICD-10-CM
B5742	Meningoencephalitis in Chagas' disease	Diagnosis	ICD-10-CM
B5749	Other nervous system involvement in Chagas' disease	Diagnosis	ICD-10-CM
B575	Chagas' disease (chronic) with other organ involvement	Diagnosis	ICD-10-CM
P371	Congenital toxoplasmosis	Diagnosis	ICD-10-CM
A060	Acute amebic dysentery	Diagnosis	ICD-10-CM
A061	Chronic intestinal amebiasis	Diagnosis	ICD-10-CM
A062	Amebic nondysenteric colitis	Diagnosis	ICD-10-CM
A063	Ameboma of intestine	Diagnosis	ICD-10-CM
A064	Amebic liver abscess	Diagnosis	ICD-10-CM
A065	Amebic lung abscess	Diagnosis	ICD-10-CM
A066	Amebic brain abscess	Diagnosis	ICD-10-CM
A067	Cutaneous amebiasis	Diagnosis	ICD-10-CM
A0681	Amebic cystitis	Diagnosis	ICD-10-CM
A0682	Other amebic genitourinary infections	Diagnosis	ICD-10-CM
A0689	Other amebic infections	Diagnosis	ICD-10-CM
A069	Amebiasis, unspecified	Diagnosis	ICD-10-CM
A070	Balantidiasis	Diagnosis	ICD-10-CM
A071	Giardiasis [lambliasis]	Diagnosis	ICD-10-CM
A072	Cryptosporidiosis	Diagnosis	ICD-10-CM
A073	Isosporiasis	Diagnosis	ICD-10-CM
A074	Cyclosporiasis	Diagnosis	ICD-10-CM
A078	Other specified protozoal intestinal diseases	Diagnosis	ICD-10-CM
A079	Protozoal intestinal disease, unspecified	Diagnosis	ICD-10-CM
A088	Other specified intestinal infections	Diagnosis	ICD-10-CM
A09	Infectious gastroenteritis and colitis, unspecified	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
A3951	Meningococcal endocarditis	Diagnosis	ICD-10-CM
A4189	Other specified sepsis	Diagnosis	ICD-10-CM
A419	Sepsis, unspecified organism	Diagnosis	ICD-10-CM
A8100	Creutzfeldt-Jakob disease, unspecified	Diagnosis	ICD-10-CM
A8101	Variant Creutzfeldt-Jakob disease	Diagnosis	ICD-10-CM
A8109	Other Creutzfeldt-Jakob disease	Diagnosis	ICD-10-CM
A811	Subacute sclerosing panencephalitis	Diagnosis	ICD-10-CM
A812	Progressive multifocal leukoencephalopathy	Diagnosis	ICD-10-CM
A8181	Kuru	Diagnosis	ICD-10-CM
A8182	Gerstmann-Straussler-Scheinker syndrome	Diagnosis	ICD-10-CM
A8183	Fatal familial insomnia	Diagnosis	ICD-10-CM
A881	Epidemic vertigo	Diagnosis	ICD-10-CM
B2782	Other infectious mononucleosis with meningitis	Diagnosis	ICD-10-CM
B2792	Infectious mononucleosis, unspecified with meningitis	Diagnosis	ICD-10-CM
B5741	Meningitis in Chagas' disease	Diagnosis	ICD-10-CM
B5800	Toxoplasma oculopathy, unspecified	Diagnosis	ICD-10-CM
B5801	Toxoplasma chorioretinitis	Diagnosis	ICD-10-CM
B5809	Other toxoplasma oculopathy	Diagnosis	ICD-10-CM
B581	Toxoplasma hepatitis	Diagnosis	ICD-10-CM
B582	Toxoplasma meningoencephalitis	Diagnosis	ICD-10-CM
B583	Pulmonary toxoplasmosis	Diagnosis	ICD-10-CM
B5881	Toxoplasma myocarditis	Diagnosis	ICD-10-CM
B5882	Toxoplasma myositis	Diagnosis	ICD-10-CM
B5883	Toxoplasma tubulo-interstitial nephropathy	Diagnosis	ICD-10-CM
B5889	Toxoplasmosis with other organ involvement	Diagnosis	ICD-10-CM
B589	Toxoplasmosis, unspecified	Diagnosis	ICD-10-CM
B600	Babesiosis	Diagnosis	ICD-10-CM
B6010	Acanthamebiasis, unspecified	Diagnosis	ICD-10-CM
B6011	Meningoencephalitis due to Acanthamoeba (culbertsoni)	Diagnosis	ICD-10-CM
B6012	Conjunctivitis due to Acanthamoeba	Diagnosis	ICD-10-CM
B6013	Keratoconjunctivitis due to Acanthamoeba	Diagnosis	ICD-10-CM
B6019	Other acanthamebic disease	Diagnosis	ICD-10-CM
D733	Abscess of spleen	Diagnosis	ICD-10-CM
D733	Abscess of spleen	Diagnosis	ICD-10-CM
G02	Meningitis in oth infec/parastc diseases classd elswhr	Diagnosis	ICD-10-CM
G02	Meningitis in oth infec/parastc diseases classd elswhr	Diagnosis	ICD-10-CM
G038	Meningitis due to other specified causes	Diagnosis	ICD-10-CM
G038	Meningitis due to other specified causes	Diagnosis	ICD-10-CM
G039	Meningitis, unspecified	Diagnosis	ICD-10-CM
G039	Meningitis, unspecified	Diagnosis	ICD-10-CM
H00031	Abscess of right upper eyelid	Diagnosis	ICD-10-CM
H00031	Abscess of right upper eyelid	Diagnosis	ICD-10-CM
H00032	Abscess of right lower eyelid	Diagnosis	ICD-10-CM
H00032	Abscess of right lower eyelid	Diagnosis	ICD-10-CM
H00033	Abscess of eyelid right eye, unspecified eyelid	Diagnosis	ICD-10-CM
H00033	Abscess of eyelid right eye, unspecified eyelid	Diagnosis	ICD-10-CM
H00034	Abscess of left upper eyelid	Diagnosis	ICD-10-CM
H00034	Abscess of left upper eyelid	Diagnosis	ICD-10-CM
H00035	Abscess of left lower eyelid	Diagnosis	ICD-10-CM
H00035	Abscess of left lower eyelid	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
H00036	Abscess of eyelid left eye, unspecified eyelid	Diagnosis	ICD-10-CM
H00036	Abscess of eyelid left eye, unspecified eyelid	Diagnosis	ICD-10-CM
H00039	Abscess of eyelid unspecified eye, unspecified eyelid	Diagnosis	ICD-10-CM
H00039	Abscess of eyelid unspecified eye, unspecified eyelid	Diagnosis	ICD-10-CM
H05011	Cellulitis of right orbit	Diagnosis	ICD-10-CM
H05011	Cellulitis of right orbit	Diagnosis	ICD-10-CM
H05012	Cellulitis of left orbit	Diagnosis	ICD-10-CM
H05012	Cellulitis of left orbit	Diagnosis	ICD-10-CM
H05013	Cellulitis of bilateral orbits	Diagnosis	ICD-10-CM
H05013	Cellulitis of bilateral orbits	Diagnosis	ICD-10-CM
H05019	Cellulitis of unspecified orbit	Diagnosis	ICD-10-CM
H05019	Cellulitis of unspecified orbit	Diagnosis	ICD-10-CM
H0502	Osteomyelitis of orbit	Diagnosis	ICD-10-CM
H05021	Osteomyelitis of right orbit	Diagnosis	ICD-10-CM
H05021	Osteomyelitis of right orbit	Diagnosis	ICD-10-CM
H05022	Osteomyelitis of left orbit	Diagnosis	ICD-10-CM
H05022	Osteomyelitis of left orbit	Diagnosis	ICD-10-CM
H05023	Osteomyelitis of bilateral orbits	Diagnosis	ICD-10-CM
H05023	Osteomyelitis of bilateral orbits	Diagnosis	ICD-10-CM
H05029	Osteomyelitis of unspecified orbit	Diagnosis	ICD-10-CM
H05029	Osteomyelitis of unspecified orbit	Diagnosis	ICD-10-CM
H6000	Abscess of external ear, unspecified ear	Diagnosis	ICD-10-CM
H6000	Abscess of external ear, unspecified ear	Diagnosis	ICD-10-CM
H6001	Abscess of right external ear	Diagnosis	ICD-10-CM
H6001	Abscess of right external ear	Diagnosis	ICD-10-CM
H6002	Abscess of left external ear	Diagnosis	ICD-10-CM
H6002	Abscess of left external ear	Diagnosis	ICD-10-CM
H6003	Abscess of external ear, bilateral	Diagnosis	ICD-10-CM
H6003	Abscess of external ear, bilateral	Diagnosis	ICD-10-CM
H6010	Cellulitis of external ear, unspecified ear	Diagnosis	ICD-10-CM
H6010	Cellulitis of external ear, unspecified ear	Diagnosis	ICD-10-CM
H6011	Cellulitis of right external ear	Diagnosis	ICD-10-CM
H6011	Cellulitis of right external ear	Diagnosis	ICD-10-CM
H6012	Cellulitis of left external ear	Diagnosis	ICD-10-CM
H6012	Cellulitis of left external ear	Diagnosis	ICD-10-CM
H6013	Cellulitis of external ear, bilateral	Diagnosis	ICD-10-CM
H6013	Cellulitis of external ear, bilateral	Diagnosis	ICD-10-CM
I330	Acute and subacute infective endocarditis	Diagnosis	ICD-10-CM
I330	Acute and subacute infective endocarditis	Diagnosis	ICD-10-CM
I76	Septic arterial embolism	Diagnosis	ICD-10-CM
I76	Septic arterial embolism	Diagnosis	ICD-10-CM
J0100	Acute maxillary sinusitis, unspecified	Diagnosis	ICD-10-CM
J0101	Acute recurrent maxillary sinusitis	Diagnosis	ICD-10-CM
J0110	Acute frontal sinusitis, unspecified	Diagnosis	ICD-10-CM
J0111	Acute recurrent frontal sinusitis	Diagnosis	ICD-10-CM
J0120	Acute ethmoidal sinusitis, unspecified	Diagnosis	ICD-10-CM
J0121	Acute recurrent ethmoidal sinusitis	Diagnosis	ICD-10-CM
J0130	Acute sphenoidal sinusitis, unspecified	Diagnosis	ICD-10-CM
J0131	Acute recurrent sphenoidal sinusitis	Diagnosis	ICD-10-CM
J0140	Acute pansinusitis, unspecified	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
J0141	Acute recurrent pansinusitis	Diagnosis	ICD-10-CM
J0180	Other acute sinusitis	Diagnosis	ICD-10-CM
J0181	Other acute recurrent sinusitis	Diagnosis	ICD-10-CM
J0190	Acute sinusitis, unspecified	Diagnosis	ICD-10-CM
J0191	Acute recurrent sinusitis, unspecified	Diagnosis	ICD-10-CM
J028	Acute pharyngitis due to other specified organisms	Diagnosis	ICD-10-CM
J0380	Acute tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J0381	Acute recurrent tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J0391	Acute recurrent tonsillitis, unspecified	Diagnosis	ICD-10-CM
J0410	Acute tracheitis without obstruction	Diagnosis	ICD-10-CM
J0411	Acute tracheitis with obstruction	Diagnosis	ICD-10-CM
J042	Acute laryngotracheitis	Diagnosis	ICD-10-CM
J0430	Supraglottitis, unspecified, without obstruction	Diagnosis	ICD-10-CM
J0431	Supraglottitis, unspecified, with obstruction	Diagnosis	ICD-10-CM
J050	Acute obstructive laryngitis [croup]	Diagnosis	ICD-10-CM
J0510	Acute epiglottitis without obstruction	Diagnosis	ICD-10-CM
J0511	Acute epiglottitis with obstruction	Diagnosis	ICD-10-CM
J060	Acute laryngopharyngitis	Diagnosis	ICD-10-CM
J16	Pneumonia due to other infectious organisms, not elsewhere classified	Diagnosis	ICD-10-CM
J168	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
J168	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
J17	Pneumonia in diseases classified elsewhere	Diagnosis	ICD-10-CM
J17	Pneumonia in diseases classified elsewhere	Diagnosis	ICD-10-CM
J18	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J180	Bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J180	Bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J181	Lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J181	Lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J182	Hypostatic pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J188	Other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J188	Other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J189	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J189	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J208	Acute bronchitis due to other specified organisms	Diagnosis	ICD-10-CM
J209	Acute bronchitis, unspecified	Diagnosis	ICD-10-CM
J218	Acute bronchiolitis due to other specified organisms	Diagnosis	ICD-10-CM
J219	Acute bronchiolitis, unspecified	Diagnosis	ICD-10-CM
J22	Unspecified acute lower respiratory infection	Diagnosis	ICD-10-CM
J340	Abscess, furuncle and carbuncle of nose	Diagnosis	ICD-10-CM
J851	Abscess of lung with pneumonia	Diagnosis	ICD-10-CM
K122	Cellulitis and abscess of mouth	Diagnosis	ICD-10-CM
K352	Acute appendicitis with generalized peritonitis	Diagnosis	ICD-10-CM
K353	Acute appendicitis with localized peritonitis	Diagnosis	ICD-10-CM
K3580	Unspecified acute appendicitis	Diagnosis	ICD-10-CM
K3589	Other acute appendicitis	Diagnosis	ICD-10-CM
K36	Other appendicitis	Diagnosis	ICD-10-CM
K37	Unspecified appendicitis	Diagnosis	ICD-10-CM
K5530	Necrotizing enterocolitis, unspecified	Diagnosis	ICD-10-CM
K5700	Dvtrcli of sm int w perforation and abscess w/o bleeding	Diagnosis	ICD-10-CM
K5701	Dvtrcli of sm int w perforation and abscess w bleeding	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
K5712	Dvtrcli of sm int w/o perforation or abscess w/o bleeding	Diagnosis	ICD-10-CM
K5713	Dvtrcli of sm int w/o perforation or abscess w bleeding	Diagnosis	ICD-10-CM
K5720	Dvtrcli of lg int w perforation and abscess w/o bleeding	Diagnosis	ICD-10-CM
K5721	Dvtrcli of lg int w perforation and abscess w bleeding	Diagnosis	ICD-10-CM
K5732	Dvtrcli of lg int w/o perforation or abscess w/o bleeding	Diagnosis	ICD-10-CM
K5733	Dvtrcli of lg int w/o perforation or abscess w bleeding	Diagnosis	ICD-10-CM
K5740	Dvtrcli of both small and lg int w perf and abscess w/o bleed	Diagnosis	ICD-10-CM
K5741	Dvtrcli of both small and lg int w perf and abscess w bleed	Diagnosis	ICD-10-CM
K5752	Dvtrcli of both small and lg int w/o perf or abscess w/o bleed	Diagnosis	ICD-10-CM
K5753	Dvtrcli of both small and lg int w/o perf or abscess w bleed	Diagnosis	ICD-10-CM
K5780	Dvtrcli of intest, part unsp, w perf and abscess w/o bleed	Diagnosis	ICD-10-CM
K5781	Dvtrcli of intest, part unsp, w perf and abscess w bleeding	Diagnosis	ICD-10-CM
K5792	Dvtrcli of intest, part unsp, w/o perf or abscess w/o bleed	Diagnosis	ICD-10-CM
K5793	Dvtrcli of intest, part unsp, w/o perf or abscess w bleeding	Diagnosis	ICD-10-CM
K610	Cellulitis and abscess of mouth	Diagnosis	ICD-10-CM
K611	Anal abscess	Diagnosis	ICD-10-CM
K612	Rectal abscess	Diagnosis	ICD-10-CM
K613	Anorectal abscess	Diagnosis	ICD-10-CM
K630	Abscess of intestine	Diagnosis	ICD-10-CM
K650	Generalized (acute) peritonitis	Diagnosis	ICD-10-CM
K651	Peritoneal abscess	Diagnosis	ICD-10-CM
K652	Spontaneous bacterial peritonitis	Diagnosis	ICD-10-CM
K653	Choleperitonitis	Diagnosis	ICD-10-CM
K658	Other peritonitis	Diagnosis	ICD-10-CM
K659	Peritonitis, unspecified	Diagnosis	ICD-10-CM
K6819	Other retroperitoneal abscess	Diagnosis	ICD-10-CM
K750	Abscess of liver	Diagnosis	ICD-10-CM
K810	Acute cholecystitis	Diagnosis	ICD-10-CM
K812	Acute cholecystitis with chronic cholecystitis	Diagnosis	ICD-10-CM
K819	Cholecystitis, unspecified	Diagnosis	ICD-10-CM
K8502	Idiopathic acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K8582	Other acute pancreatitis with infected necrosis	Diagnosis	ICD-10-CM
K8592	Acute pancreatitis with infected necrosis, unspecified	Diagnosis	ICD-10-CM
L0100	Ischiorectal abscess	Diagnosis	ICD-10-CM
L0202	Cutaneous abscess of face	Diagnosis	ICD-10-CM
L0211	Carbuncle of face	Diagnosis	ICD-10-CM
L0212	Cutaneous abscess of neck	Diagnosis	ICD-10-CM
L02211	Carbuncle of neck	Diagnosis	ICD-10-CM
L02212	Cutaneous abscess of abdominal wall	Diagnosis	ICD-10-CM
L02213	Cutaneous abscess of back [any part, except buttock]	Diagnosis	ICD-10-CM
L02214	Cutaneous abscess of chest wall	Diagnosis	ICD-10-CM
L02215	Cutaneous abscess of groin	Diagnosis	ICD-10-CM
L02216	Cutaneous abscess of perineum	Diagnosis	ICD-10-CM
L02219	Cutaneous abscess of umbilicus	Diagnosis	ICD-10-CM
L02221	Cutaneous abscess of trunk, unspecified	Diagnosis	ICD-10-CM
L02232	Carbuncle of abdominal wall	Diagnosis	ICD-10-CM
L02233	Carbuncle of back [any part, except buttock]	Diagnosis	ICD-10-CM
L02234	Carbuncle of chest wall	Diagnosis	ICD-10-CM
L02235	Carbuncle of groin	Diagnosis	ICD-10-CM
L02236	Carbuncle of perineum	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
L02239	Carbuncle of umbilicus	Diagnosis	ICD-10-CM
L0231	Carbuncle of trunk, unspecified	Diagnosis	ICD-10-CM
L0232	Cutaneous abscess of buttock	Diagnosis	ICD-10-CM
L02411	Carbuncle of buttock	Diagnosis	ICD-10-CM
L02412	Cutaneous abscess of right axilla	Diagnosis	ICD-10-CM
L02413	Cutaneous abscess of left axilla	Diagnosis	ICD-10-CM
L02414	Cutaneous abscess of right upper limb	Diagnosis	ICD-10-CM
L02415	Cutaneous abscess of left upper limb	Diagnosis	ICD-10-CM
L02416	Cutaneous abscess of right lower limb	Diagnosis	ICD-10-CM
L02419	Cutaneous abscess of left lower limb	Diagnosis	ICD-10-CM
L02421	Cutaneous abscess of limb, unspecified	Diagnosis	ICD-10-CM
L02432	Carbuncle of right axilla	Diagnosis	ICD-10-CM
L02433	Carbuncle of left axilla	Diagnosis	ICD-10-CM
L02434	Carbuncle of right upper limb	Diagnosis	ICD-10-CM
L02435	Carbuncle of left upper limb	Diagnosis	ICD-10-CM
L02436	Carbuncle of right lower limb	Diagnosis	ICD-10-CM
L02439	Carbuncle of left lower limb	Diagnosis	ICD-10-CM
L02511	Carbuncle of limb, unspecified	Diagnosis	ICD-10-CM
L02512	Cutaneous abscess of right hand	Diagnosis	ICD-10-CM
L02519	Cutaneous abscess of left hand	Diagnosis	ICD-10-CM
L02521	Cutaneous abscess of unspecified hand	Diagnosis	ICD-10-CM
L02532	Carbuncle of right hand	Diagnosis	ICD-10-CM
L02539	Carbuncle of left hand	Diagnosis	ICD-10-CM
L02611	Carbuncle of unspecified hand	Diagnosis	ICD-10-CM
L02612	Cutaneous abscess of right foot	Diagnosis	ICD-10-CM
L02619	Cutaneous abscess of left foot	Diagnosis	ICD-10-CM
L02621	Cutaneous abscess of unspecified foot	Diagnosis	ICD-10-CM
L02632	Carbuncle of right foot	Diagnosis	ICD-10-CM
L02639	Carbuncle of left foot	Diagnosis	ICD-10-CM
L02811	Carbuncle of unspecified foot	Diagnosis	ICD-10-CM
L02818	Cutaneous abscess of head [any part, except face]	Diagnosis	ICD-10-CM
L02821	Cutaneous abscess of other sites	Diagnosis	ICD-10-CM
L02838	Carbuncle of head [any part, except face]	Diagnosis	ICD-10-CM
L0291	Carbuncle of other sites	Diagnosis	ICD-10-CM
L0292	Cutaneous abscess, unspecified	Diagnosis	ICD-10-CM
L03011	Carbuncle, unspecified	Diagnosis	ICD-10-CM
L03012	Cellulitis of right finger	Diagnosis	ICD-10-CM
L03019	Cellulitis of left finger	Diagnosis	ICD-10-CM
L03031	Cellulitis of unspecified finger	Diagnosis	ICD-10-CM
L03032	Cellulitis of right toe	Diagnosis	ICD-10-CM
L03039	Cellulitis of left toe	Diagnosis	ICD-10-CM
L03111	Cellulitis of unspecified toe	Diagnosis	ICD-10-CM
L03112	Cellulitis of right axilla	Diagnosis	ICD-10-CM
L03113	Cellulitis of left axilla	Diagnosis	ICD-10-CM
L03114	Cellulitis of right upper limb	Diagnosis	ICD-10-CM
L03115	Cellulitis of left upper limb	Diagnosis	ICD-10-CM
L03116	Cellulitis of right lower limb	Diagnosis	ICD-10-CM
L03119	Cellulitis of left lower limb	Diagnosis	ICD-10-CM
L03211	Cellulitis of unspecified part of limb	Diagnosis	ICD-10-CM
L03213	Cellulitis of face	Diagnosis	ICD-10-CM



**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
L03221	Periorbital cellulitis	Diagnosis	ICD-10-CM
L03311	Cellulitis of neck	Diagnosis	ICD-10-CM
L03312	Cellulitis of abdominal wall	Diagnosis	ICD-10-CM
L03313	Cellulitis of back [any part except buttock]	Diagnosis	ICD-10-CM
L03314	Cellulitis of chest wall	Diagnosis	ICD-10-CM
L03315	Cellulitis of groin	Diagnosis	ICD-10-CM
L03316	Cellulitis of perineum	Diagnosis	ICD-10-CM
L03317	Cellulitis of umbilicus	Diagnosis	ICD-10-CM
L03319	Cellulitis of buttock	Diagnosis	ICD-10-CM
L03811	Cellulitis of trunk, unspecified	Diagnosis	ICD-10-CM
L03818	Cellulitis of head [any part, except face]	Diagnosis	ICD-10-CM
L0390	Cellulitis of other sites	Diagnosis	ICD-10-CM
L0501	Cellulitis, unspecified	Diagnosis	ICD-10-CM
L0502	Pilonidal cyst with abscess	Diagnosis	ICD-10-CM
L0591	Pilonidal sinus with abscess	Diagnosis	ICD-10-CM
L089	Oth local infections of the skin and subcutaneous tissue	Diagnosis	ICD-10-CM
M4620	Osteomyelitis of vertebra, site unspecified	Diagnosis	ICD-10-CM
M4620	Osteomyelitis of vertebra, site unspecified	Diagnosis	ICD-10-CM
M4621	Osteomyelitis of vertebra, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4621	Osteomyelitis of vertebra, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M4622	Osteomyelitis of vertebra, cervical region	Diagnosis	ICD-10-CM
M4622	Osteomyelitis of vertebra, cervical region	Diagnosis	ICD-10-CM
M4623	Osteomyelitis of vertebra, cervicothoracic region	Diagnosis	ICD-10-CM
M4623	Osteomyelitis of vertebra, cervicothoracic region	Diagnosis	ICD-10-CM
M4624	Osteomyelitis of vertebra, thoracic region	Diagnosis	ICD-10-CM
M4624	Osteomyelitis of vertebra, thoracic region	Diagnosis	ICD-10-CM
M4625	Osteomyelitis of vertebra, thoracolumbar region	Diagnosis	ICD-10-CM
M4625	Osteomyelitis of vertebra, thoracolumbar region	Diagnosis	ICD-10-CM
M4626	Osteomyelitis of vertebra, lumbar region	Diagnosis	ICD-10-CM
M4626	Osteomyelitis of vertebra, lumbar region	Diagnosis	ICD-10-CM
M4627	Osteomyelitis of vertebra, lumbosacral region	Diagnosis	ICD-10-CM
M4627	Osteomyelitis of vertebra, lumbosacral region	Diagnosis	ICD-10-CM
M4628	Osteomyelitis of vertebra, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M4628	Osteomyelitis of vertebra, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M600	Infective myositis	Diagnosis	ICD-10-CM
M6000	Infective myositis, unspecified site	Diagnosis	ICD-10-CM
M60000	Infective myositis, unspecified right arm	Diagnosis	ICD-10-CM
M60001	Infective myositis, unspecified left arm	Diagnosis	ICD-10-CM
M60002	Infective myositis, unspecified arm	Diagnosis	ICD-10-CM
M60003	Infective myositis, unspecified right leg	Diagnosis	ICD-10-CM
M60004	Infective myositis, unspecified left leg	Diagnosis	ICD-10-CM
M60005	Infective myositis, unspecified leg	Diagnosis	ICD-10-CM
M60009	Infective myositis, unspecified site	Diagnosis	ICD-10-CM
M6001	Infective myositis, shoulder	Diagnosis	ICD-10-CM
M60011	Infective myositis, right shoulder	Diagnosis	ICD-10-CM
M60012	Infective myositis, left shoulder	Diagnosis	ICD-10-CM
M60019	Infective myositis, unspecified shoulder	Diagnosis	ICD-10-CM
M6002	Infective myositis, upper arm	Diagnosis	ICD-10-CM
M60021	Infective myositis, right upper arm	Diagnosis	ICD-10-CM
M60022	Infective myositis, left upper arm	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M60029	Infective myositis, unspecified upper arm	Diagnosis	ICD-10-CM
M6003	Infective myositis, forearm	Diagnosis	ICD-10-CM
M60031	Infective myositis, right forearm	Diagnosis	ICD-10-CM
M60032	Infective myositis, left forearm	Diagnosis	ICD-10-CM
M60039	Infective myositis, unspecified forearm	Diagnosis	ICD-10-CM
M6004	Infective myositis, hand and fingers	Diagnosis	ICD-10-CM
M60041	Infective myositis, right hand	Diagnosis	ICD-10-CM
M60042	Infective myositis, left hand	Diagnosis	ICD-10-CM
M60043	Infective myositis, unspecified hand	Diagnosis	ICD-10-CM
M60044	Infective myositis, right finger(s)	Diagnosis	ICD-10-CM
M60045	Infective myositis, left finger(s)	Diagnosis	ICD-10-CM
M60046	Infective myositis, unspecified finger(s)	Diagnosis	ICD-10-CM
M6005	Infective myositis, thigh	Diagnosis	ICD-10-CM
M60051	Infective myositis, right thigh	Diagnosis	ICD-10-CM
M60052	Infective myositis, left thigh	Diagnosis	ICD-10-CM
M60059	Infective myositis, unspecified thigh	Diagnosis	ICD-10-CM
M6006	Infective myositis, lower leg	Diagnosis	ICD-10-CM
M60061	Infective myositis, right lower leg	Diagnosis	ICD-10-CM
M60062	Infective myositis, left lower leg	Diagnosis	ICD-10-CM
M60069	Infective myositis, unspecified lower leg	Diagnosis	ICD-10-CM
M6007	Infective myositis, ankle, foot and toes	Diagnosis	ICD-10-CM
M60070	Infective myositis, right ankle	Diagnosis	ICD-10-CM
M60071	Infective myositis, left ankle	Diagnosis	ICD-10-CM
M60072	Infective myositis, unspecified ankle	Diagnosis	ICD-10-CM
M60073	Infective myositis, right foot	Diagnosis	ICD-10-CM
M60074	Infective myositis, left foot	Diagnosis	ICD-10-CM
M60075	Infective myositis, unspecified foot	Diagnosis	ICD-10-CM
M60076	Infective myositis, right toe(s)	Diagnosis	ICD-10-CM
M60077	Infective myositis, left toe(s)	Diagnosis	ICD-10-CM
M60078	Infective myositis, unspecified toe(s)	Diagnosis	ICD-10-CM
M6008	Infective myositis, other site	Diagnosis	ICD-10-CM
M6009	Infective myositis, multiple sites	Diagnosis	ICD-10-CM
M726	Local infection of the skin and subcutaneous tissue, unsp	Diagnosis	ICD-10-CM
M726	Necrotizing fasciitis	Diagnosis	ICD-10-CM
M8600	Acute hematogenous osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M8600	Acute hematogenous osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M86011	Acute hematogenous osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86011	Acute hematogenous osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86012	Acute hematogenous osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86012	Acute hematogenous osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86019	Acute hematogenous osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M86019	Acute hematogenous osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M86021	Acute hematogenous osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86021	Acute hematogenous osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86022	Acute hematogenous osteomyelitis, left humerus	Diagnosis	ICD-10-CM
M86022	Acute hematogenous osteomyelitis, left humerus	Diagnosis	ICD-10-CM
M86029	Acute hematogenous osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M86029	Acute hematogenous osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M86031	Acute hematogenous osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM
M86031	Acute hematogenous osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M86032	Acute hematogenous osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86032	Acute hematogenous osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86039	Acute hematogenous osteomyelitis, unsp radius and ulna	Diagnosis	ICD-10-CM
M86039	Acute hematogenous osteomyelitis, unsp radius and ulna	Diagnosis	ICD-10-CM
M86041	Acute hematogenous osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86041	Acute hematogenous osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86042	Acute hematogenous osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86042	Acute hematogenous osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86049	Acute hematogenous osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M86049	Acute hematogenous osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M86051	Acute hematogenous osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86051	Acute hematogenous osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86052	Acute hematogenous osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86052	Acute hematogenous osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86059	Acute hematogenous osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M86059	Acute hematogenous osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M86061	Acute hematogenous osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86061	Acute hematogenous osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86062	Acute hematogenous osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86062	Acute hematogenous osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86069	Acute hematogenous osteomyelitis, unsp tibia and fibula	Diagnosis	ICD-10-CM
M86069	Acute hematogenous osteomyelitis, unsp tibia and fibula	Diagnosis	ICD-10-CM
M86071	Acute hematogenous osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86071	Acute hematogenous osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86072	Acute hematogenous osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86072	Acute hematogenous osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86079	Acute hematogenous osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M86079	Acute hematogenous osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M8608	Acute hematogenous osteomyelitis, other sites	Diagnosis	ICD-10-CM
M8608	Acute hematogenous osteomyelitis, other sites	Diagnosis	ICD-10-CM
M8609	Acute hematogenous osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M8609	Acute hematogenous osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M861	Other acute osteomyelitis	Diagnosis	ICD-10-CM
M8610	Other acute osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M8610	Other acute osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M8611	Other acute osteomyelitis, shoulder	Diagnosis	ICD-10-CM
M86111	Other acute osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86111	Other acute osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86112	Other acute osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86112	Other acute osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86119	Other acute osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M86119	Other acute osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M8612	Other acute osteomyelitis, humerus	Diagnosis	ICD-10-CM
M86121	Other acute osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86121	Other acute osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86122	Other acute osteomyelitis, left humerus	Diagnosis	ICD-10-CM
M86122	Other acute osteomyelitis, left humerus	Diagnosis	ICD-10-CM
M86129	Other acute osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M86129	Other acute osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M8613	Other acute osteomyelitis, radius and ulna	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M86131	Other acute osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM
M86131	Other acute osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM
M86132	Other acute osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86132	Other acute osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86139	Other acute osteomyelitis, unspecified radius and ulna	Diagnosis	ICD-10-CM
M86139	Other acute osteomyelitis, unspecified radius and ulna	Diagnosis	ICD-10-CM
M8614	Other acute osteomyelitis, hand	Diagnosis	ICD-10-CM
M86141	Other acute osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86141	Other acute osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86142	Other acute osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86142	Other acute osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86149	Other acute osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M86149	Other acute osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M8615	Other acute osteomyelitis, femur	Diagnosis	ICD-10-CM
M86151	Other acute osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86151	Other acute osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86152	Other acute osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86152	Other acute osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86159	Other acute osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M86159	Other acute osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M8616	Other acute osteomyelitis, tibia and fibula	Diagnosis	ICD-10-CM
M86161	Other acute osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86161	Other acute osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86162	Other acute osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86162	Other acute osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86169	Other acute osteomyelitis, unspecified tibia and fibula	Diagnosis	ICD-10-CM
M86169	Other acute osteomyelitis, unspecified tibia and fibula	Diagnosis	ICD-10-CM
M8617	Other acute osteomyelitis, ankle and foot	Diagnosis	ICD-10-CM
M86171	Other acute osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86171	Other acute osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86172	Other acute osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86172	Other acute osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86179	Other acute osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M86179	Other acute osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M8618	Other acute osteomyelitis, other site	Diagnosis	ICD-10-CM
M8618	Other acute osteomyelitis, other site	Diagnosis	ICD-10-CM
M8619	Other acute osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M8619	Other acute osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M8620	Subacute osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M8620	Subacute osteomyelitis, unspecified site	Diagnosis	ICD-10-CM
M86211	Subacute osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86211	Subacute osteomyelitis, right shoulder	Diagnosis	ICD-10-CM
M86212	Subacute osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86212	Subacute osteomyelitis, left shoulder	Diagnosis	ICD-10-CM
M86219	Subacute osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M86219	Subacute osteomyelitis, unspecified shoulder	Diagnosis	ICD-10-CM
M86221	Subacute osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86221	Subacute osteomyelitis, right humerus	Diagnosis	ICD-10-CM
M86222	Subacute osteomyelitis, left humerus	Diagnosis	ICD-10-CM
M86222	Subacute osteomyelitis, left humerus	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M86229	Subacute osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M86229	Subacute osteomyelitis, unspecified humerus	Diagnosis	ICD-10-CM
M86231	Subacute osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM
M86231	Subacute osteomyelitis, right radius and ulna	Diagnosis	ICD-10-CM
M86232	Subacute osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86232	Subacute osteomyelitis, left radius and ulna	Diagnosis	ICD-10-CM
M86239	Subacute osteomyelitis, unspecified radius and ulna	Diagnosis	ICD-10-CM
M86239	Subacute osteomyelitis, unspecified radius and ulna	Diagnosis	ICD-10-CM
M86241	Subacute osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86241	Subacute osteomyelitis, right hand	Diagnosis	ICD-10-CM
M86242	Subacute osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86242	Subacute osteomyelitis, left hand	Diagnosis	ICD-10-CM
M86249	Subacute osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M86249	Subacute osteomyelitis, unspecified hand	Diagnosis	ICD-10-CM
M86251	Subacute osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86251	Subacute osteomyelitis, right femur	Diagnosis	ICD-10-CM
M86252	Subacute osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86252	Subacute osteomyelitis, left femur	Diagnosis	ICD-10-CM
M86259	Subacute osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M86259	Subacute osteomyelitis, unspecified femur	Diagnosis	ICD-10-CM
M86261	Subacute osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86261	Subacute osteomyelitis, right tibia and fibula	Diagnosis	ICD-10-CM
M86262	Subacute osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86262	Subacute osteomyelitis, left tibia and fibula	Diagnosis	ICD-10-CM
M86269	Subacute osteomyelitis, unspecified tibia and fibula	Diagnosis	ICD-10-CM
M86269	Subacute osteomyelitis, unspecified tibia and fibula	Diagnosis	ICD-10-CM
M86271	Subacute osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86271	Subacute osteomyelitis, right ankle and foot	Diagnosis	ICD-10-CM
M86272	Subacute osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86272	Subacute osteomyelitis, left ankle and foot	Diagnosis	ICD-10-CM
M86279	Subacute osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M86279	Subacute osteomyelitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M8628	Subacute osteomyelitis, other site	Diagnosis	ICD-10-CM
M8628	Subacute osteomyelitis, other site	Diagnosis	ICD-10-CM
M8629	Subacute osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M8629	Subacute osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M868X0	Other osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M868X0	Other osteomyelitis, multiple sites	Diagnosis	ICD-10-CM
M868X1	Other osteomyelitis, shoulder	Diagnosis	ICD-10-CM
M868X1	Other osteomyelitis, shoulder	Diagnosis	ICD-10-CM
M868X2	Other osteomyelitis, upper arm	Diagnosis	ICD-10-CM
M868X2	Other osteomyelitis, upper arm	Diagnosis	ICD-10-CM
M868X3	Other osteomyelitis, forearm	Diagnosis	ICD-10-CM
M868X3	Other osteomyelitis, forearm	Diagnosis	ICD-10-CM
M868X4	Other osteomyelitis, hand	Diagnosis	ICD-10-CM
M868X4	Other osteomyelitis, hand	Diagnosis	ICD-10-CM
M868X5	Other osteomyelitis, thigh	Diagnosis	ICD-10-CM
M868X5	Other osteomyelitis, thigh	Diagnosis	ICD-10-CM
M868X6	Other osteomyelitis, lower leg	Diagnosis	ICD-10-CM
M868X6	Other osteomyelitis, lower leg	Diagnosis	ICD-10-CM

**Appendix N. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Complications Following Corticosteroid Treatment Initiation**

<b>Code</b>	<b>Description</b>	<b>Code category</b>	<b>Code type</b>
M868X7	Other osteomyelitis, ankle and foot	Diagnosis	ICD-10-CM
M868X7	Other osteomyelitis, ankle and foot	Diagnosis	ICD-10-CM
M868X8	Other osteomyelitis, other site	Diagnosis	ICD-10-CM
M868X8	Other osteomyelitis, other site	Diagnosis	ICD-10-CM
M868X9	Other osteomyelitis, unspecified sites	Diagnosis	ICD-10-CM
M868X9	Other osteomyelitis, unspecified sites	Diagnosis	ICD-10-CM
M869	Osteomyelitis, unspecified	Diagnosis	ICD-10-CM
M869	Osteomyelitis, unspecified	Diagnosis	ICD-10-CM
N10	Acute pyelonephritis	Diagnosis	ICD-10-CM
N10	Acute pyelonephritis	Diagnosis	ICD-10-CM
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N340	Urethral abscess	Diagnosis	ICD-10-CM
N390	Urinary tract infection, site not specified	Diagnosis	ICD-10-CM
N4821	Necrotizing fasciitis	Diagnosis	ICD-10-CM
N4821	Abscess of corpus cavernosum and penis	Diagnosis	ICD-10-CM
N4822	Abscess of corpus cavernosum and penis	Diagnosis	ICD-10-CM
N4822	Cellulitis of corpus cavernosum and penis	Diagnosis	ICD-10-CM
N610	Mastitis without abscess	Diagnosis	ICD-10-CM
N611	Cellulitis of corpus cavernosum and penis	Diagnosis	ICD-10-CM
N611	Abscess of the breast and nipple	Diagnosis	ICD-10-CM
N730	Abscess of the breast and nipple	Diagnosis	ICD-10-CM
N730	Acute parametritis and pelvic cellulitis	Diagnosis	ICD-10-CM
N732	Unspecified parametritis and pelvic cellulitis	Diagnosis	ICD-10-CM
N732	Unspecified parametritis and pelvic cellulitis	Diagnosis	ICD-10-CM
P378	Other specified congenital infectious and parasitic diseases	Diagnosis	ICD-10-CM
P381	Omphalitis with mild hemorrhage	Diagnosis	ICD-10-CM
P389	Omphalitis without hemorrhage	Diagnosis	ICD-10-CM
R6520	Severe sepsis without septic shock	Diagnosis	ICD-10-CM
R6520	Severe sepsis without septic shock	Diagnosis	ICD-10-CM
R6521	Severe sepsis with septic shock	Diagnosis	ICD-10-CM
R6521	Severe sepsis with septic shock	Diagnosis	ICD-10-CM

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

**Query period run 1:** April 1, 2020 - September 30, 2020  
**Query period run 2:** April 1, 2020 - October 31, 2020  
**Coverage requirement:** Medical and drug coverage  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0 days  
**Enrollment gap:** 45 days  
**Age groups:** <18, 18-44, 45-64, 65-74, 75-79, 80+ years  
**Stratifications:** Year and month; Census Bureau (CB) region; Health & Human Services (HHS) region  
**QRP features:** Baseline characteristics; Combo tool; Censoring table; Concomitant tool  
**Envelope macro:** Reclassify institutional stay (IS), outpatient (AV), emergency department (ED), and other ambulatory (OA) encounters that occur during an inpatient stay as inpatient (IP)

Exposure										Inclusion/Exclusion				Event/Outcome				Baseline Characteristics				
Tools utilized	Scenario	Group	Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest		
Baseline cohorts; Time to event censoring descriptive statistics	1	any_covid	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Retain first valid index only	AV/OA/ED	Date of lab test / specimen collected	"POSITIVE"	11 days	11 days	*Death; *Disenrollment; *Hospitalization (IP or IS); *Event outcome (oral or injectable corticosteroid use with no hospitalization in 10 days prior)	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Any	Exclude	(ever, -1)								
											COVID-19 legacy diagnosis (B97.29)	Any	Exclude	(-183, -1)	Combo: Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX						
											Skilled nursing facility, hospice, etc.	IS	Exclude	(-183, -1)	AND No hospitalization within (-10, 0) of corticosteroid initiation	Outpatient for NDC; Any care setting for PX						
											Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, -1)								
											Fludrocortisone use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, 0)								
										Hospitalization	IP/IS	Exclude	(0, 0)									

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure						Inclusion/Exclusion				Event/Outcome				Baseline Characteristics						
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest			
Baseline cohorts; Time to event censoring descriptive statistics	2	cs_no_hosp1_0_before	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Retain first valid index only	AV/OA/ED	Date of lab test / specimen collected	"POSITIVE"	11 days	11 days	*Death; *Disenrollment	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Any	Exclude	(ever, -1)									
											COVID-19 legacy diagnosis (B97.29)	Any	Exclude	(-183, -1)									
											Skilled nursing facility, hospice, etc.	IS	Exclude	(-183, -1)									
											Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, -1)	--	--	--	--	--	--	See Appendix P		
											Fludrocortisone use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, 0)									
									Hospitalization	IP/IS	Exclude	(0, 0)											
									Combo: Oral or injectable corticosteroid use AND No hospitalization within (-10, 0) of corticosteroid initiation	Outpatient for NDC; AV/OA/ED for PX --- IP/IS	Include	(0, +10)											



**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics		
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest
Baseline cohorts; Time to event censoring descriptive statistics	3	no_cs_no_hosp10_a	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Retain first valid index only	AV/OA/ED	"POSITIVE"	41 days	41 days	*Death; *Disenrollment; *Event outcome (all-cause hospitalization IP* IS*)	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Any	Exclude	(ever, -1)							
										COVID-19 legacy diagnosis (B97.29)	Any	Exclude	(-183, -1)							
										Skilled nursing facility, hospice, etc.	IS	Exclude	(-183, -1)	All-cause hospitalization (days 11-40 only)	IP/IS	Any	0 days	--	See Appendix P	
										Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, -1)							
										Fludrocortisone use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, 0)							
										Hospitalization	IP/IS	Exclude	(0, +10)							
									Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(0, +10)								

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics			
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest	
Baseline cohorts; Time to event censoring descriptive statistics	4	no_cs_no_hosp10	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Retain first valid index only	AV/OA/ED	Date of lab test / specimen collected	"POSITIVE"	41 days	41 days	*Death; *Disenrollment; *Event outcome (COVID-19 hospitalization IP* IS*)	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Any	Exclude	(ever, -1)							
											COVID-19 legacy diagnosis (B97.29)	Any	Exclude	(-183, -1)							
											Skilled nursing facility, hospice, etc.	IS	Exclude	(-183, -1)	COVID-19 (U07.1) hospitalization, any diagnostic position (days 11-40 only)	IP/IS	Any	0 days	--	--	
											Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, -1)							
											Fludrocortisone use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, 0)							
											Hospitalization	IP/IS	Exclude	(0, +10)							
									Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(0, +10)									



**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics					
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest			
Creating scenarios for concomitant use tool	6	primary	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Retain first valid index only	AV/OA/ED	Date of lab test / specimen collected	"POSITIVE"	41 days	41 days	*Death; *Disenrollment	COVID-19 diagnosis (U07.1) or PCR test with + / presumed + SARS-CoV-2 lab result	Any	Exclude	(ever, -1)									
											COVID-19 legacy diagnosis (B97.29)	Any	Exclude	(-183, -1)									
											Skilled nursing facility, hospice, etc.	IS	Exclude	(-183, -1)									
											Oral or injectable corticosteroid use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, -1)	--	--	--	--	--	--			
											Fludrocortisone use	Outpatient for NDC; Any care setting for PX	Exclude	(-90, 0)									
											Hospitalization	IP/IS	Exclude	(0, 0)									
										Combo: Oral or injectable corticosteroid use AND No hospitalization within (-10, 0) of corticosteroid initiation	Outpatient for NDC; AV/OA/ED for PX --- IP/IS	Include	(0, +10)										

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics	
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:
Creating scenarios for concomitant use tool	7	secondary_cs_31	Oral or injectable corticosteroid initiation: dexamethasone, prednisone, prednisolone, methylprednisolone, hydrocortisone, cortisone, betamethasone, triamcinolone	Retain all valid index dates	Outpatient for NDC; AV/OA/ED for PX	--	--	31 days	31 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--
	8	secondary_cs_03	Oral or injectable corticosteroid initiation: dexamethasone, prednisone, prednisolone, methylprednisolone, hydrocortisone, cortisone, betamethasone, triamcinolone	Retain all valid index dates	Outpatient for NDC; AV/OA/ED for PX	--	--	3 days	3 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure						Inclusion/Exclusion				Event/Outcome				Baseline Characteristics			
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest
Creating scenarios for concomitant use tool	9	secondary_cs_03_px	Oral or injectable corticosteroid initiation, PX only: dexamethasone, prednisone, prednisolone, methylprednisolone, hydrocortisone, cortisone, betamethasone, triamcinolone	Retain all valid index dates	ED for PX	--	--	3 days	3 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--	
	10	secondary_cs_31_dex	Oral dexamethasone	Retain all valid index dates	Outpatient for NDC; AV/OA/ED for PX	--	--	31 days	31 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--	
	11	secondary_cs_31_meth	Oral methylprednisolone	Retain all valid index dates	Outpatient for NDC; AV/OA/ED for PX	--	--	31 days	31 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--	--
	12	secondary_cs_31_pred	Oral prednisone	Retain all valid index dates	Outpatient for NDC; AV/OA/ED for PX	--	--	31 days	31 days	*Death; *Disenrollment	--	--	--	--	--	--	--	--	--	--

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure						Inclusion/Exclusion				Event/Outcome				Baseline Characteristics		
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:
Concomitant tool analytic groups	6 + 7	covid_cs_hos p30_a		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	All-cause hospitalization within 30 days of corticosteroid treatment	IP/IS	Any	0 days	--	See Appendix P
	6 + 7	covid_cs_hos p30		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, any diagnostic position, within 30 days of corticosteroid treatment	IP/IS	Any	0 days	--	--	
	6 + 7	covid_cs_hos p30_p		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, primary diagnostic position, within 30 days of corticosteroid treatment	IP/IS	Primary (P)	0 days	--	--	
	6 + 8	covid_cs_hos p02		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, any diagnostic position, within 2 days of corticosteroid treatment	IP/IS	Any	0 days	--	--	

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure				Inclusion/Exclusion				Event/Outcome				Baseline Characteristics			
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout
Concomitant tool analytic groups	6 + 8	covid_cs_hos_p02_p		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, primary diagnostic position, within 2 days of corticosteroid treatment	IP/IS	Primary (P)	0 days	--	--
	6 + 9	covid_cs_hos_p02_px		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment in the ED only, any diagnostic position, within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, any diagnostic position, within 2 days of corticosteroid treatment initiated via PX codes in the ED	IP/IS	Any	0 days	--	--
	6 + 9	covid_cs_hos_p02_px_p		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment in the ED only, primary diagnostic position, within 10 days of COVID-19 identification					--	--	--	--	COVID-19 (U07.1) hospitalization, primary diagnostic position, within 2 days of corticosteroid treatment initiated via PX codes in the ED	IP/IS	Primary (P)	0 days	--	--



**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics		
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest
Concomitant tool analytic groups	6 + 7	covid_cs_ae_all		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Any adverse event, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_hypergly		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Hyperglycemia, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_keto		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Ketoacidosis, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_psy		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Psychosis or psychotic disorder, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics		
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:	Baseline characteristics of interest
Concomitant tool analytic groups	6 + 7	covid_cs_sev_inf		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Severe infection, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_bact		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Bacterial infection, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_viral		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Viral infection, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_fungal		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Fungal infection, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--
	6 + 7	covid_cs_other		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification							--	--	--	--	Other infection, any care setting, within 30 days of corticosteroid treatment	Any	Any	0 days	--	--

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure							Inclusion/Exclusion				Event/Outcome				Baseline Characteristics	
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:
Concomitant tool analytic groups	6 + 7	covid_cs_sev_inf_ip		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	Severe infection, inpatient only, within 30 days of corticosteroid treatment	IP	Any	0 days	--	--
	6 + 7	covid_cs_bac_t_ip		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	Bacterial infection, inpatient only, within 30 days of corticosteroid treatment	IP	Any	0 days	--	--
	6 + 7	covid_cs_viral_ip		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	Viral infection, inpatient only, within 30 days of corticosteroid treatment	IP	Any	0 days	--	--
	6 + 7	covid_cs_fungal_ip		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	Fungal infection, inpatient only, within 30 days of corticosteroid treatment	IP	Any	0 days	--	--
	6 + 7	covid_cs_other_ip		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of corticosteroid treatment within 10 days of COVID-19 identification						--	--	--	--	Other infection, inpatient only, within 30 days of corticosteroid treatment	IP	Any	0 days	--	--

**Appendix O. Specifications Defining Parameters for Cohort Entry in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool v10.2.0 to characterize corticosteroid initiation among diagnostic and positive-confirmed nucleic acid amplification test COVID-19 patients, to describe baseline and clinical characteristics, and to identify hospitalization and ascertainment of adverse events in the rapid COVID-19 Sentinel Distributed Database (SDD).

Tools utilized	Scenario	Group	Exposure					Inclusion/Exclusion			Event/Outcome				Baseline Characteristics				
			Index date	Cohort definition	Care setting	Lab date	Lab result	Forced days code supply	Maximum episode duration	Censor treatment episode at evidence of:	Condition	Care setting	Include/Exclude	Evaluation window	Event	Care setting	Diagnostic position	Washout	Incident with respect to:
Concomitant tool analytic groups	6 + 10	covid_dex		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of oral dexamethasone treatment within 10 days of COVID-19 identification					--	--	--	--	--	--	--	--	--	--	--
	6 + 11	covid_meth		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of oral methylprednisolone treatment within 10 days of COVID-19 identification					--	--	--	--	--	--	--	--	--	--	--
	6 + 12	covid_pred		COVID-19 diagnosis or PCR test with + / presumed + SARS-CoV-2 lab result; Initiation of oral prednisone treatment within 10 days of COVID-19 identification					--	--	--	--	--	--	--	--	--	--	--

**Appendix P. Specifications Defining Parameters for Baseline and Clinical Characteristics in this Request**

<b>Demographics/Baseline Characteristics</b>	<b>Care Setting</b>	<b>Evaluation Window</b>
<b>Mean Age (Years) (Continuous)</b>	--	Index date
0-17	--	Index date
18-44	--	Index date
45-64	--	Index date
65-74	--	Index date
75-79	--	Index date
80+	--	Index date
<b>Sex</b>		
Female	--	Index date
Male	--	Index date
<b>Race</b>		
American Indian or Alaska Native	--	Index date
Asian	--	Index date
Black or African American	--	Index date
Native Hawaiian or Other Pacific Islander	--	Index date
White	--	Index date
Unknown	--	Index date
<b>Ethnicity</b>		
Hispanic origin	--	Index date
<b>Month</b>		
April 2020	--	Index date
May 2020	--	Index date
June 2020	--	Index date
July 2020	--	Index date
August 2020	--	Index date
September 2020	--	Index date
October 2020 (if applicable)	--	Index date
<b>Census Bureau region</b>	--	Index date
<b>Health &amp; Human services region</b>	--	Index date
<b>Charlson/Elixhauser combined comorbidity score</b>	--	(-183, -1)
<b>Drug use defined via NDCs only</b>		
Anticoagulants, injection: NDC only	--	(-183, -1)
Anticoagulants, oral: NDC only	--	(-183, -1)
Corticosteroids, inhaled: NDC only	--	(-183, -1)
Hydroxychloroquine: NDC only	--	(-183, -1)
<b>Cerebrovascular disease</b>		
Hospitalized stroke or transient ischemic attack	IP IS	(-183, -1)
Other hospitalized cerebrovascular disease	IP IS	(-183, -1)
Non-hospitalized cerebrovascular disease	AV OA ED	(-183, -1)
<b>Cardiovascular disease</b>		
Atrial fibrillation	Any	(-183, -1)
Congestive heart failure	Any	(-183, -1)
Coronary revascularization	Any	(-183, -1)
Hospitalized acute myocardial infarction	IP IS	(-183, -1)
Hypertension	Any	(-183, -1)

**Appendix P. Specifications Defining Parameters for Baseline and Clinical Characteristics in this Request**

<b>Demographics/Baseline Characteristics</b>	<b>Care Setting</b>	<b>Evaluation Window</b>
<b>Pulmonary disease</b>		
Asthma	Any	(-183, -1)
Bronchiectasis	Any	(-183, -1)
Chronic obstructive pulmonary disease	Any	(-183, -1)
Hypersensitivity pneumonitis	Any	(-183, -1)
Interstitial lung disease	Any	(-183, -1)
<b>Cancer</b>		
Hematological malignancy	Any	(-183, -1)
Solid malignancy	Any	(-183, -1)
<b>Immunosuppression</b>		
Immunodeficiency	Any	(-183, -1)
Immunosuppressants	Any	(-183, -1)
<b>Other conditions</b>		
Chronic kidney disease	Any	(-183, -1)
Chronic liver disease	Any	(-183, -1)
Diabetes	Any	(-183, -1)
Hyperglycemia	Any	(-183, -1)
Ketoacidosis	Any	(-183, -1)
Neurological conditions	Any	(-183, -1)
Nicotine dependence (smoking)	Any	(-183, -1)
Obesity	Any	(-183, -1)
Psychosis or psychotic disorder	Any	(-183, -1)
Rheumatological and inflammatory disease	Any	(-183, -1)
<b>Oxygen support</b>		
Oxygen use	Any	(-183, -1)
<b>Frailty</b>		
Arthritis	Any	(-183, -1)
Chronic skin ulcer	Any	(-183, -1)
Cognitive impairment	Any	(-183, -1)
Congestive heart failure	Any	(-183, -1)
Depression	Any	(-183, -1)
Falls	Any	(-183, -1)
Gout	Any	(-183, -1)
Impaired mobility	Any	(-183, -1)
Musculoskeletal problems	Any	(-183, -1)
Mycoses	Any	(-183, -1)
Paranoia	Any	(-183, -1)
Parkinson's disease	Any	(-183, -1)
Pneumonia	Any	(-183, -1)
Skin or soft tissue infections	Any	(-183, -1)
Stroke	Any	(-183, -1)
Urinary tract infection	Any	(-183, -1)
<b>Health care utilization</b>	Any	(-183, -1)
<b>Drug utilization</b>	Any	(-183, -1)

**Appendix P. Specifications Defining Parameters for Baseline and Clinical Characteristics in this Request**

Demographics/Baseline Characteristics	Care Setting	Evaluation Window
<b>COVID-19 severity day 0</b>		
COVID-19 diagnosis	Any	(0, 0)
Acute respiratory distress syndrome	Any	(0, 0)
Acute respiratory failure	Any	(0, 0)
Dyspnea	Any	(0, 0)
Loss of taste or smell	Any	(0, 0)
Oxygen use	Any	(0, 0)
Pneumonia	Any	(0, 0)
Shock	Any	(0, 0)
<b>COVID-19 severity days 0-2</b>		
COVID-19 diagnosis	Any	(0, 2)
Acute respiratory distress syndrome	Any	(0, 2)
Acute respiratory failure	Any	(0, 2)
Dyspnea	Any	(0, 2)
Loss of taste or smell	Any	(0, 2)
Oxygen use	Any	(0, 2)
Pneumonia	Any	(0, 2)
Shock	Any	(0, 2)
<b>COVID-19 severity days 0-7</b>		
COVID-19 diagnosis	Any	(0, 7)
Acute respiratory distress syndrome	Any	(0, 7)
Acute respiratory failure	Any	(0, 7)
Dyspnea	Any	(0, 7)
Loss of taste or smell	Any	(0, 7)
Oxygen use	Any	(0, 7)
Pneumonia	Any	(0, 7)
Shock	Any	(0, 7)
<b>COVID-19 severity days 0-10</b>		
COVID-19 diagnosis	Any	(0, 10)
Acute respiratory distress syndrome	Any	(0, 10)
Acute respiratory failure	Any	(0, 10)
Dyspnea	Any	(0, 10)
Loss of taste or smell	Any	(0, 10)
Oxygen use	Any	(0, 10)
Pneumonia	Any	(0, 10)
Shock	Any	(0, 10)

**Appendix P. Specifications Defining Parameters for Baseline and Clinical Characteristics in this Request**

<b>Demographics/Baseline Characteristics</b>	<b>Care Setting</b>	<b>Evaluation Window</b>
<b>Outpatient concomitant therapies</b>		
Anticoagulants, injection	N/A for NDC; AV OA ED for PX	(0, 10)
Anticoagulants, oral	N/A for NDC; AV OA ED for PX	(0, 10)
Antiplatelets	N/A for NDC; AV OA ED for PX	(0, 10)
Azithromycin	N/A for NDC; AV OA ED for PX	(0, 10)
Chloroquine	N/A for NDC; AV OA ED for PX	(0, 10)
Convalescent plasma	N/A for NDC; AV OA ED for PX	(0, 10)
Corticosteroids, inhaled	N/A for NDC; AV OA ED for PX	(0, 10)
Hydroxychloroquine	N/A for NDC; AV OA ED for PX	(0, 10)
Remdesivir	N/A for NDC; AV OA ED for PX	(0, 10)
<b>Corticosteroid treatment initiated at a pharmacy (NDC)</b>		
Betamethasone, injection	--	(0, 0)
Betamethasone, oral	--	(0, 0)
Cortisone, oral	--	(0, 0)
Dexamethasone, injection	--	(0, 0)
Dexamethasone, intravenous	--	(0, 0)
Dexamethasone, oral	--	(0, 0)
Hydrocortisone, injection	--	(0, 0)
Hydrocortisone, oral	--	(0, 0)
Methylprednisolone, injection	--	(0, 0)
Methylprednisolone, intravenous	--	(0, 0)
Methylprednisolone, oral	--	(0, 0)
Prednisolone, injection	--	(0, 0)
Prednisolone, oral	--	(0, 0)
Prednisone, oral	--	(0, 0)
Triamcinolone, injection	--	(0, 0)
Triamcinolone, oral	--	(0, 0)
<b>Corticosteroid treatment administered in an outpatient facility (PX)</b>		
AV PX	AV OA ED	(0, 0)
OA PX	AV	(0, 0)
ED PX	OA	(0, 0)
	ED	(0, 0)



**Appendix P. Specifications Defining Parameters for Baseline and Clinical Characteristics in this Request**

<b>Demographics/Baseline Characteristics</b>	<b>Care Setting</b>	<b>Evaluation Window</b>
<b>Care settings for corticosteroid initiators only, 10 days prior to initiation</b>		
Ambulatory visit (AV)	AV	(-10, -1)
Other ambulatory visit (OA)	OA	(-10, -1)
Inpatient stay (IP)	IP	(-10, -1)
Institutional stay (IS)	IS	(-10, -1)
Emergency department encounter (ED)	ED	(-10, -1)
Combo covariate: Office visit (AV or OA)	--	(-10, -1)
Combo covariate: Any encounter (AV, OA, ED, IP, or IS)	--	(-10, -1)
Combo covariate: No encounter (Not AV nor OA nor ED nor IP nor IS)	--	(-10, -1)
<b>Care settings for corticosteroid initiators only, date of initiation</b>		
Ambulatory visit (AV)	AV	(0, 0)
Other ambulatory visit (OA)	OA	(0, 0)
Inpatient stay (IP)	IP	(0, 0)
Institutional stay (IS)	IS	(0, 0)
Emergency department encounter (ED)	ED	(0, 0)
Combo covariate: Office visit (AV or OA)	--	(0, 0)
Combo covariate: Any encounter (AV, OA, ED, IP, or IS)	--	(0, 0)
Combo covariate: No encounter (Not AV nor OA nor ED nor IP nor IS)	--	(0, 0)