

## 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: care\_mpl1p\_wp002\_nsdv\_v02

**Request ID:** care\_mpl1p\_wp002\_nsdv\_v02

**Request Description:** In this report, we evaluated clinical characteristics of individuals using azithromycin and roflumilast who have Chronic Obstructive Pulmonary Disease (COPD) in the Sentinel Distributed Database.

**Sentinel Routine Querying Module:** Cohort Identification and Descriptive Analysis (CIDA) tool, version 10.2.0, with custom programming.

**Data Source:** We distributed this request to 15 Sentinel Data Partners on March 10, 2021. The study period included data from March 1, 2011 through March 31, 2020. Please see Appendix A for a list of dates of available data for each Data Partner.

**Study Design:** We characterized various definitions of azithromycin and roflumilast use. Only the first qualifying (index) dispensing for each member was included; cohort re-entry was not allowed. Among these cohorts, we assessed respiratory comorbidities, other comorbidities, historic use of antibiotics and oral corticosteroid (OCS) dispensings, and health services utilization. In addition, we assessed prior history of exacerbations using custom programming. This is a Type 2 analysis as described in the Query Request Package (QRP) documentation.

**Exposure of Interest:** The exposures of interest, azithromycin and roflumilast, were defined using outpatient dispensing data and National Drug Codes (NDCs). We defined non-naïve users as having no prior use of azithromycin greater than 13 days and no prior use of any roflumilast. We defined naïve users as no prior use of any azithromycin and no prior use of any roflumilast. Separate cohorts were defined for azithromycin and roflumilast. Please refer to Appendix B for a list of generic and brand names of medical products, and Appendix B.1 for a list of NDCs used to define exposures.

**Cohort Eligibility Criteria:** We required members to be continuously enrolled in health plans with medical and drug coverage in the 365 days prior to their index date, during which gaps in coverage of up to 45 days were allowed. We included the age groups of 40-64 and 65+ years. In the 365 days prior to the index date, we required at least one diagnosis of COPD and at least 183 days cumulative days' supply of one of the following medications or combination of medications: 1) an inhaled corticosteroid (ICS), long-acting beta agonist (LABA), and long-acting muscarinic antagonist (LAMA) combination medication; 2) an ICS/LABA combination medication and a LAMA-containing medication; or 3) a LABA/LAMA combination medication and an ICS-containing medication. Three sensitivity analyses were performed in which cohort eligibility varied. In the first sensitivity analysis, we required only one dispensing of any of these three medications or combination of medications. In the second, we excluded patients who had a COPD exacerbation episode on the index date. In the third, we excluded patients who had a COPD exacerbation episode in the 14 days prior to the index date. In all cohorts, we further required no evidence of asthma, alpha-1-antitrypsin deficiency, sarcoidosis, cystic fibrosis, bronchiectasis, interstitial lung disease, pneumoconiosis, miscellaneous other lung diseases, and human immunodeficiency. Please see Appendix C for a list of generic and brand names of medical products, Appendix C.1 for a list of NDCs, and Appendix D for a list of ICD-9-CM and ICD-10-CM diagnosis codes used to define inclusion and exclusion criteria in this request.

**Follow-up Time:** We created exposure episodes based on the number of days of product supplied per dispensing in the outpatient pharmacy dispensing data. In the primary azithromycin and roflumilast cohorts as well as the three sensitivity analyses mentioned above, we bridged together episodes less than or equal to 25% of the previous dispensing's days of supply apart and added 7 days to the end of each episode. We additionally specified an additional azithromycin cohort and an additional roflumilast cohort that bridged together episodes less than or equal to 50% of the previous dispensing's days of supply apart and added 14 days to the end of each episode. Follow-up began on the day of the index dispensing and continued until the first occurrence of any of the following: 1) disenrollment; 2) death; 3) the end of the data provided by each Data Partner; 4) the end of the query period; or 5) for azithromycin cohorts, initiation of any roflumilast; for roflumilast cohorts, initiation of greater than 13 days of azithromycin.

**Baseline Characteristics:** For all azithromycin and roflumilast cohorts, we considered the following demographic characteristics on the index date: age, sex, race, ethnicity and calendar year. The following characteristics were assessed in the 365 days prior to the index date: anxiety, atrial fibrillation, cachexia, cancer, cardiovascular disease, chronic bronchitis, chronic kidney disease, cirrhosis, congestive heart failure, depression, diabetes, emphysematous phenotype, gastroesophageal reflux disease (GERD), influenza vaccination, obstructive sleep apnea, oxygen therapy, pneumococcal vaccination, pneumonia, pulmonary embolus, and pulmonary hypertension. We also characterized historic use of antibiotics and OCS and prior history of exacerbations in the 365 days prior to the index date. Health services utilization and Charlson/Elixhauser combined comorbidity score<sup>1</sup> were assessed in the 365 days prior to and including the index date. Bronchiectasis was assessed from the day after index to the end of available data. Smoking was assessed for all available data prior to including, and after the index date.

Please see Appendix E for a list of generic and brand names of medical products, Appendix E.1 for a list of NDCs, Appendix F for a list of Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Second Edition (CPT-2) and Fourth Edition (CPT-4) codes, and Appendix G for a list of ICD-9-CM and ICD-10-CM diagnosis and procedure codes to define baseline characteristics in this request.

Please see Appendices H and H.1 - H.5 for the specifications of parameters used in this request.

**Limitations:** Algorithms to define exposures, incidence, inclusion and exclusion criteria are imperfect and may be misclassified. Therefore, 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. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/sentinel/repos/sentinel-routine-querying-tool-documentation/browse>).

<sup>1</sup> 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

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### List of Terms Found in this Report and Their Definitions

**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.

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\*all terms may not be used in this report

**Table 1a. Aggregated Baseline Table for Azithromycin (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

**Table 1b. Aggregated Baseline Table for Roflumilast (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Number of unique patients	4,446	---	9,139	---	---
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean Age (Years)	71.1	8.5	69.6	8.8	0.17
Age (Years):	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference</b>
40-64 years	957	21.5%	2,588	28.3%	-0.16
65+ years	3,489	78.5%	6,551	71.7%	0.16
Sex:					
Female	2,570	57.8%	4,988	54.6%	0.06
Male	1,876	42.2%	4,151	45.4%	-0.06
Race/Ethnicity:					
Unknown	314	7.1%	854	9.3%	-0.08
American Indian or Alaska Native + Native Hawaiian or Other Pacific Islander	24	0.5%	50	0.5%	0.00
Asian	52	1.2%	151	1.7%	-0.04
Black or African American	192	4.3%	370	4.0%	0.02
White	3,864	86.9%	7,714	84.4%	0.07
Hispanic Origin	24	0.5%	87	1.0%	-0.06
Year:					
2011	228	5.1%	417	4.6%	0.02
2012	305	6.9%	1,487	16.3%	-0.30
2013	323	7.3%	1,142	12.5%	-0.17
2014	393	8.8%	1,147	12.6%	-0.12
2015	492	11.1%	962	10.5%	0.02
2016	495	11.1%	1,055	11.5%	-0.01
2017	641	14.4%	876	9.6%	0.15
2018	701	15.8%	899	9.8%	0.18
2019	844	19.0%	1,098	12.0%	0.19
2020	24	0.5%	56	0.6%	-0.01
Quarter					
Q1	1,077	24.2%	2,455	26.9%	-0.06
Q2	1,122	25.2%	2,303	25.2%	0.00
Q3	1,025	23.1%	2,075	22.7%	0.01
Q4	1,222	27.5%	2,306	25.2%	0.05
Region					
Northeast + Invalid, Missing, or Other	811	18.2%	1,637	17.9%	0.01
Midwest	1,210	27.2%	2,401	26.3%	0.02
South	1,525	34.3%	3,900	42.7%	-0.17



**Table 1a. Aggregated Baseline Table for Azithromycin (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

**Table 1b. Aggregated Baseline Table for Roflumilast (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
West	900	20.2%	1,201	13.1%	0.19
<b>Recorded History of:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Charlson/Elixhauser Combined Comorbidity Score <sup>3</sup>	3.1	2.5	2.8	2.4	0.12
Anxiety (-365,-1)	1,379	31.0%	2,804	30.7%	0.01
Atrial fibrillation (-365,-1)	591	13.3%	1,137	12.4%	0.03
Bronchiectasis (day1 - ever)	380	8.5%	682	7.5%	0.04
Cachexia (-365,-1)	133	3.0%	156	1.7%	0.09
Cancer (-365,-1)	1,468	33.0%	2,610	28.6%	0.10
Cardiovascular Disease (-365,-1)	1,132	25.5%	2,465	27.0%	-0.03
Chronic bronchitis (-365,-1)	1,469	33.0%	3,748	41.0%	-0.17
Chronic kidney disease (-365,-1)	841	18.9%	1,667	18.2%	0.02
Cirrhosis (-365,-1)	33	0.7%	60	0.7%	0.00
Congestive heart failure (-365,-1)	926	20.8%	2,051	22.4%	-0.04
Depression (-365,-1)	1,100	24.7%	2,269	24.8%	0.00
Diabetes (-365,-1)	1,081	24.3%	2,701	29.6%	-0.12
Emphysematous phenotype (-365,-1)	2,025	45.5%	3,347	36.6%	0.18
Gastroesophageal reflux disease (GERD) (-365,-1)	1,531	34.4%	3,080	33.7%	0.01
Influenza Vaccination (-365,-1)	2,908	65.4%	5,810	63.6%	0.04
Obstructive Sleep Apnea (-365,-1)	676	15.2%	1,601	17.5%	-0.06
Oxygen therapy (-365,-1)	2,076	46.7%	3,872	42.4%	0.09
Pneumococcal Vaccination (-365,-1)	1,133	25.5%	2,076	22.7%	0.07
Pneumonia (-365,-1)	1,042	23.4%	1,897	20.8%	0.06
Pulmonary Embolus (-365,-1)	81	1.8%	158	1.7%	0.01
Pulmonary Hypertension (-365,-1)	514	11.6%	868	9.5%	0.07
Smoking (entire pt history)	4,250	95.6%	8,651	94.7%	0.04
Antibiotic (Abx) dispensing at least 1 (-365,-1)	3,966	89.2%	7,724	84.5%	0.14
Abx dispensing at least 2 (-365,-1)	3,371	75.8%	6,124	67.0%	0.20
Abx dispensing at least 3 (-365,-1)	2,672	60.1%	4,668	51.1%	0.18
Oral corticosteroid (OCS) dispensing at least 1 (-365,-1)	3,734	84.0%	7,200	78.8%	0.13
OCS dispensing at least 2 (-365,-1)	3,088	69.5%	5,648	61.8%	0.16
OCS dispensing at least 3 (-365,-1)	2,456	55.2%	4,364	47.8%	0.15
Prior history of exactly 1 exacerbation (-365,-1)	999	22.5%	2,233	24.4%	-0.04
Prior history of exactly 2 exacerbations (-365,-1)	1,006	22.6%	1,833	20.1%	0.06
Prior history of exactly 3 exacerbations (-365,-1)	695	15.6%	1,339	14.7%	0.03
Prior history of exactly 4 exacerbations (-365,-1)	488	11.0%	824	9.0%	0.07



**Table 1a. Aggregated Baseline Table for Azithromycin (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

**Table 1b. Aggregated Baseline Table for Roflumilast (Non-Naive Users, 25% Episode Gap), with At Least 183-day COPD Chronic Medication Coverage in Pre-Index (from -365 to -1), in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 30, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Prior history of at least 5 exacerbations (-365,-1)	584	13.1%	1,019	11.2%	0.06
At least 1 exacerbation, set up for exclusion [Z,Y] [0,0]	1,105	24.9%	1,966	21.5%	0.08
At least 1 exacerbation, set up for exclusion [Z,Y] [-14,-1]	1,619	36.4%	2,864	31.3%	0.11
<b>Health Services Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	
Mean number of ambulatory encounters	23.4	17.6	22	17.7	0.08
Mean number of emergency room encounters	0.8	1.5	0.7	1.4	0.07
Mean number of inpatient hospital encounters	0.6	1	0.5	0.9	0.11
Mean number of non-acute institutional encounters	0.1	0.3	0.1	0.3	0.00
Mean number of other ambulatory encounters	9.4	13.5	8.3	13.9	0.08
Mean number of unique drug classes	14.8	5.5	15.7	5.7	-0.16
Mean number of generics	16.3	6.5	17.3	6.8	-0.15

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

<sup>2</sup>Standardized difference is calculated as the difference in means or proportions divided by standard error

<sup>3</sup>The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

**Table 1c. Aggregated Baseline Table for Azithromycin (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31,**

**Table 1d. Aggregated Baseline Table for Roflumilast (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
Number of unique patients	10,195	---	21,189	---	---
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean Age (Years)	71.3	8.5	69.6	8.9	0.20
Age (Years):	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference</b>
40-64 years	2,102	20.6%	5,904	27.9%	-0.17
65+ years	8,093	79.4%	15,285	72.1%	0.17
Sex:					
Female	5,763	56.5%	11,495	54.2%	0.05
Male	4,432	43.5%	9,694	45.8%	-0.05
Race/Ethnicity:					
Unknown	757	7.4%	1,985	9.4%	-0.07
American Indian or Alaska Native + Native Hawaiian or Other Pacific Islander	67	0.7%	106	0.5%	0.03
Asian	100	1.0%	324	1.5%	-0.05
Black or African American	468	4.6%	1,014	4.8%	-0.01
White	8,803	86.3%	17,760	83.8%	0.07
Hispanic Origin	82	0.8%	199	0.9%	-0.01
Year:					
2011	577	5.7%	939	4.4%	0.06
2012	726	7.1%	3,414	16.1%	-0.28
2013	743	7.3%	2,730	12.9%	-0.19
2014	890	8.7%	2,727	12.9%	-0.14
2015	1,043	10.2%	2,249	10.6%	-0.01
2016	1,143	11.2%	2,381	11.2%	0.00
2017	1,447	14.2%	2,038	9.6%	0.14
2018	1,672	16.4%	2,081	9.8%	0.20
2019	1,893	18.6%	2,501	11.8%	0.19
2020	61	0.6%	129	0.6%	0.00
Quarter					
Q1	2,514	24.7%	5,649	26.7%	-0.05
Q2	2,570	25.2%	5,335	25.2%	0.00

**Table 1c. Aggregated Baseline Table for Azithromycin (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31,**

**Table 1d. Aggregated Baseline Table for Roflumilast (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
Q3	2,326	22.8%	4,995	23.6%	-0.02
Q4	2,785	27.3%	5,210	24.6%	0.06
Region					
Northeast + Invalid, Missing, or Other	1,741	17.1%	3,436	16.2%	0.02
Midwest	2,670	26.2%	5,437	25.7%	0.01
South	3,817	37.4%	9,687	45.7%	-0.17
West	1,967	19.3%	2,629	12.4%	0.19
Recorded History of:	Mean	Standard Deviation	Mean	Standard Deviation	Standardized Difference
Charlson/Elixhauser Combined Comorbidity Score <sup>3</sup>	3.2	2.6	3	2.5	0.08
Anxiety (-365,-1)	3,222	31.6%	6,791	32.0%	-0.01
Atrial fibrillation (-365,-1)	1,431	14.0%	2,754	13.0%	0.03
Bronchiectasis (day1 - ever)	819	8.0%	1,489	7.0%	0.04
Cachexia (-365,-1)	288	2.8%	372	1.8%	0.07
Cancer (-365,-1)	3,549	34.8%	6,076	28.7%	0.13
Cardiovascular Disease (-365,-1)	2,724	26.7%	6,062	28.6%	-0.04
Chronic bronchitis (-365,-1)	3,600	35.3%	9,030	42.6%	-0.15
Chronic kidney disease (-365,-1)	2,126	20.9%	4,175	19.7%	0.03
Cirrhosis (-365,-1)	90	0.9%	176	0.8%	0.01
Congestive heart failure (-365,-1)	2,211	21.7%	4,980	23.5%	-0.04
Depression (-365,-1)	2,610	25.6%	5,491	25.9%	-0.01
Diabetes (-365,-1)	2,625	25.7%	6,534	30.8%	-0.11
Emphysematous phenotype (-365,-1)	4,550	44.6%	7,504	35.4%	0.19
Gastroesophageal reflux disease (GERD) (-365,-1)	3,667	36.0%	7,270	34.3%	0.04
Influenza Vaccination (-365,-1)	6,538	64.1%	12,898	60.9%	0.07
Obstructive Sleep Apnea (-365,-1)	1,722	16.9%	3,855	18.2%	-0.03
Oxygen therapy (-365,-1)	4,881	47.9%	9,241	43.6%	0.09
Pneumococcal Vaccination (-365,-1)	2,639	25.9%	4,875	23.0%	0.07
Pneumonia (-365,-1)	2,471	24.2%	4,535	21.4%	0.07
Pulmonary Embolus (-365,-1)	226	2.2%	378	1.8%	0.03

**Table 1c. Aggregated Baseline Table for Azithromycin (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31,**

**Table 1d. Aggregated Baseline Table for Roflumilast (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
Pulmonary Hypertension (-365,-1)	1,201	11.8%	2,067	9.8%	0.06
Smoking (entire pt history)	9,706	95.2%	20,071	94.7%	0.02
Antibiotic (Abx) dispensing at least 1 (-365,-1)	9,143	89.7%	17,906	84.5%	0.16
Abx dispensing at least 2 (-365,-1)	7,705	75.6%	14,219	67.1%	0.19
Abx dispensing at least 3 (-365,-1)	6,163	60.5%	10,777	50.9%	0.19
Oral corticosteroid (OCS) dispensing at least 1 (-365,-1)	8,546	83.8%	16,729	79.0%	0.12
OCS dispensing at least 2 (-365,-1)	7,070	69.3%	13,058	61.6%	0.16
OCS dispensing at least 3 (-365,-1)	5,656	55.5%	10,077	47.6%	0.16
Prior history of exactly 1 exacerbation (-365,-1)	2,322	22.8%	5,190	24.5%	-0.04
Prior history of exactly 2 exacerbations (-365,-1)	2,232	21.9%	4,249	20.1%	0.04
Prior history of exactly 3 exacerbations (-365,-1)	1,565	15.4%	3,081	14.5%	0.03
Prior history of exactly 4 exacerbations (-365,-1)	1,124	11.0%	1,871	8.8%	0.07
Prior history of at least 5 exacerbations (-365,-1)	1,436	14.1%	2,478	11.7%	0.07
At least 1 exacerbation, set up for exclusion [Z,Y] [0,0]	2,604	25.5%	4,667	22.0%	0.08
At least 1 exacerbation, set up for exclusion [Z,Y] [-14,-1]	3,784	37.1%	6,772	32.0%	0.11
<b>Health Services Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean number of ambulatory encounters	24.5	18.7	22.6	17.7	0.10
Mean number of emergency room encounters	0.8	1.6	0.8	1.7	0.00
Mean number of inpatient hospital encounters	0.6	1.1	0.6	1	0.00
Mean number of non-acute institutional encounters	0.1	0.4	0.1	0.4	0.00

**Table 1c. Aggregated Baseline Table for Azithromycin (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31,**

**Table 1d. Aggregated Baseline Table for Roflumilast (Non-Naive Users), with At Least 1 COPD Chronic Medication Dispensing in Pre-Index (from -365 to -1), 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
Mean number of other ambulatory encounters	9.4	13.7	8.5	14	0.06
Mean number of unique drug classes	14.8	5.4	15.7	5.8	-0.16
Mean number of generics	16.4	6.4	17.5	7	-0.16

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

<sup>2</sup>Standardized difference is calculated as the difference in means or proportions divided by standard error

<sup>3</sup>The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

**Table 1e. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1f. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Number of unique patients	3,353	---	7,196	---	---
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean Age (Years)	71.2	8.5	69.6	8.7	0.19
Age (Years)	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference</b>
40-64	712	21.2%	2,029	28.2%	-0.16
65+	2,641	78.8%	5,167	71.8%	0.16
Sex:					
Female	1,953	58.2%	3,919	54.5%	0.07
Male	1,400	41.8%	3,277	45.5%	-0.07
Race/Ethnicity:					
Unknown	232	6.9%	677	9.4%	-0.09
American Indian or Alaska Native + Native Hawaiian or Other Pacific Islander	12	0.4%	44	0.6%	-0.03
Asian	41	1.2%	121	1.7%	-0.04
Black or African American	146	4.4%	280	3.9%	0.03
White	2,922	87.1%	6,074	84.4%	0.08
Hispanic Origin	21	0.6%	71	1.0%	-0.04
Year:					
2011	185	5.5%	323	4.5%	0.05
2012	238	7.1%	1,208	16.8%	-0.30
2013	234	7.0%	929	12.9%	-0.20
2014	302	9.0%	941	13.1%	-0.13
2015	368	11.0%	757	10.5%	0.02
2016	372	11.1%	815	11.3%	-0.01
2017	477	14.2%	660	9.2%	0.16
2018	515	15.4%	685	9.5%	0.18
2019	642	19.1%	842	11.7%	0.21
2020	20	0.6%	36	0.5%	0.01
Quarter					
Q1	807	24.1%	1,904	26.5%	-0.06
Q2	835	24.9%	1,821	25.3%	-0.01
Q3	777	23.2%	1,646	22.9%	0.01

**Table 1e. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1f. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Q4	934	27.9%	1,825	25.4%	0.06
Region					
Northeast + Invalid, Missing, or Other	606	18.1%	1,272	17.7%	0.01
Midwest	910	27.1%	1,849	25.7%	0.03
South	1,159	34.6%	3,104	43.1%	-0.18
West	678	20.2%	971	13.5%	0.18
<b>Recorded History of:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Charlson/Elixhauser Combined Comorbidity Score <sup>3</sup>	2.9	2.4	2.7	2.3	0.09
Anxiety (-365,-1)	943	28.1%	2,053	28.5%	-0.01
Atrial fibrillation (-365,-1)	408	12.2%	853	11.9%	0.01
Bronchiectasis (day1-ever)	290	8.6%	514	7.1%	0.06
Cachexia (-365,-1)	76	2.3%	97	1.3%	0.08
Cancer (-365,-1)	1,107	33.0%	2,034	28.3%	0.10
Cardiovascular Disease (-365,-1)	786	23.4%	1,811	25.2%	-0.04
Chronic bronchitis (-365,-1)	1,017	30.3%	2,812	39.1%	-0.19
Chronic kidney disease (-365,-1)	590	17.6%	1,233	17.1%	0.01
Cirrhosis (-365,-1)	22	0.7%	43	0.6%	0.01
Congestive heart failure (-365,-1)	633	18.9%	1,511	21.0%	-0.05
Depression (-365,-1)	804	24.0%	1,714	23.8%	0.00
Diabetes (-365,-1)	801	23.9%	2,115	29.4%	-0.12
Emphysematous phenotype (-365,-1)	1,476	44.0%	2,471	34.3%	0.20
Gastroesophageal reflux disease (GERD) (-365,-1)	1,095	32.7%	2,326	32.3%	0.01
Influenza Vaccination (-365,-1)	2,202	65.7%	4,563	63.4%	0.05
Obstructive Sleep Apnea (-365,-1)	492	14.7%	1,220	17.0%	-0.06
Oxygen therapy (-365,-1)	1,407	42.0%	2,717	37.8%	0.09
Pneumococcal Vaccination (-365,-1)	841	25.1%	1,608	22.3%	0.07
Pneumonia (-365,-1)	668	19.9%	1,282	17.8%	0.05
Pulmonary Embolus (-365,-1)	56	1.7%	113	1.6%	0.01



**Table 1e. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1f. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Pulmonary Hypertension (-365,-1)	345	10.3%	610	8.5%	0.06
Smoking (entire pt history)	3,187	95.0%	6,778	94.2%	0.04
Antibiotic (Abx) dispensing at least 1 (-365,-1)	2,944	87.8%	5,915	82.2%	0.16
Abx dispensing at least 2 (-365,-1)	2,473	73.8%	4,560	63.4%	0.23
Abx dispensing at least 3 (-365,-1)	1,931	57.6%	3,381	47.0%	0.21
Oral corticosteroid (OCS) dispensing at least 1 (-365,-1)	2,721	81.2%	5,408	75.2%	0.15
OCS dispensing at least 2 (-365,-1)	2,197	65.5%	4,109	57.1%	0.17
OCS dispensing at least 3 (-365,-1)	1,699	50.7%	3,105	43.1%	0.15
Prior history of exactly 1 exacerbation (-365,-1)	853	25.4%	1,869	26.0%	-0.01
Prior history of exactly 2 exacerbations (-365,-1)	748	22.3%	1,426	19.8%	0.06
Prior history of exactly 3 exacerbations (-365,-1)	453	13.5%	926	12.9%	0.02
Prior history of exactly 4 exacerbations (-365,-1)	312	9.3%	523	7.3%	0.07
Prior history of at least 5 exacerbations (-365,-1)	312	9.3%	553	7.7%	0.06
At least 1 exacerbation, set up for exclusion [Z,Y] [0,0]	0	0.0%	0	0.0%	---
At least 1 exacerbation, set up for exclusion [Z,Y] [-14,-1]	517	15.4%	904	12.6%	0.08
<b>Health Services Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean number of ambulatory encounters	22.9	17.3	21.4	17.8	0.09
Mean number of emergency room encounters	0.6	1.2	0.6	1.3	0.00
Mean number of inpatient hospital encounters	0.4	0.8	0.4	0.8	0.00
Mean number of non-acute institutional encounters	0.1	0.3	0.1	0.3	0.00

**Table 1e. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1f. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events on the Same Day As the Index Dispensing [Z,Y] [0,0], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Mean number of other ambulatory encounters	8.2	12.7	7.4	12.9	0.06
Mean number of unique drug classes	14.6	5.5	15.4	5.7	-0.14
Mean number of generics	16	6.5	17	6.8	-0.15

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

<sup>2</sup>Standardized difference is calculated as the difference in means or proportions divided by standard error

<sup>3</sup>The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

**Table 1g. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1h. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
Number of unique patients	2,844	---	6,301	---	---
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean Age (Years)	71.3	8.6	69.6	8.8	0.20
Age (Years)	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference</b>
40-64	594	20.9%	1,780	28.2%	-0.17
65+	2,250	79.1%	4,521	71.8%	0.17
Sex:					
Female	1,652	58.1%	3,388	53.8%	0.09
Male	1,192	41.9%	2,913	46.2%	-0.09
Race/Ethnicity:					
Unknown	196	6.9%	593	9.4%	-0.09
American Indian or Alaska Native + Native Hawaiian or Other Pacific Islander	11	0.4%	37	0.6%	-0.03
Asian	36	1.3%	110	1.7%	-0.03
Black or African American	124	4.4%	251	4.0%	0.02
White	2,477	87.1%	5,310	84.3%	0.08
Hispanic Origin	20	0.7%	63	1.0%	-0.03
Year:					
2011	162	5.7%	275	4.4%	0.06
2012	202	7.1%	1,099	17.4%	-0.32
2013	200	7.0%	813	12.9%	-0.20
2014	255	9.0%	831	13.2%	-0.13
2015	320	11.3%	663	10.5%	0.03
2016	319	11.2%	707	11.2%	0.00
2017	419	14.7%	567	9.0%	0.18
2018	428	15.0%	604	9.6%	0.16
2019	520	18.3%	710	11.3%	0.20
2020	19	0.7%	32	0.5%	0.03
Quarter					
Q1	678	23.8%	1,656	26.3%	-0.06
Q2	717	25.2%	1,587	25.2%	0.00
Q3	654	23.0%	1,468	23.3%	-0.01
Q4	795	28.0%	1,590	25.2%	0.06

**Table 1g. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1h. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Standardized Difference<sup>2</sup></b>
<b>Region</b>					
Northeast + Invalid, Missing, or Other	517	18.2%	1,124	17.8%	0.01
Midwest	779	27.4%	1,616	25.6%	0.04
South	970	34.1%	2,700	42.9%	-0.18
West	578	20.3%	861	13.7%	0.18
<b>Recorded History of:</b>					
	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Charlson/Elixhauser Combined Comorbidity Score <sup>3</sup>	2.8	2.4	2.6	2.3	0.09
Anxiety (-365,-1)	756	26.6%	1,707	27.1%	-0.01
Atrial fibrillation (-365,-1)	342	12.0%	724	11.5%	0.02
Bronchiectasis (day1-ever)	243	8.5%	437	6.9%	0.06
Cachexia (-365,-1)	55	1.9%	77	1.2%	0.06
Cancer (-365,-1)	944	33.2%	1,765	28.0%	0.11
Cardiovascular Disease (-365,-1)	650	22.9%	1,540	24.4%	-0.04
Chronic bronchitis (-365,-1)	822	28.9%	2,375	37.7%	-0.19
Chronic kidney disease (-365,-1)	478	16.8%	1,040	16.5%	0.01
Cirrhosis (-365,-1)	17	0.6%	38	0.6%	0.00
Congestive heart failure (-365,-1)	521	18.3%	1,276	20.3%	-0.05
Depression (-365,-1)	666	23.4%	1,437	22.8%	0.01
Diabetes (-365,-1)	669	23.5%	1,849	29.3%	-0.13
Emphysematous phenotype (-365,-1)	1,209	42.5%	2,096	33.3%	0.19
Gastroesophageal reflux disease (GERD) (-365,-1)	905	31.8%	1,956	31.0%	0.02
Influenza Vaccination (-365,-1)	1,849	65.0%	3,969	63.0%	0.04
Obstructive Sleep Apnea (-365,-1)	402	14.1%	1,041	16.5%	-0.07
Oxygen therapy (-365,-1)	1,114	39.2%	2,234	35.5%	0.08
Pneumococcal Vaccination (-365,-1)	703	24.7%	1,389	22.0%	0.06
Pneumonia (-365,-1)	510	17.9%	1,022	16.2%	0.05
Pulmonary Embolus (-365,-1)	43	1.5%	92	1.5%	0.00
Pulmonary Hypertension (-365,-1)	278	9.8%	529	8.4%	0.05
Smoking (entire pt history)	2,691	94.6%	5,922	94.0%	0.03
Antibiotic (Abx) dispensing at least 1 (-365,-1)	2,454	86.3%	5,057	80.3%	0.16

**Table 1g. Aggregated Baseline Table for Azithromycin (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

**Table 1h. Aggregated Baseline Table for Roflumilast (Non-Naive Users), Excluding Exacerbation Events Prior To the Index Dispensing [Z,Y] [-14,-1], 25% Episode Gap, in the Sentinel Distributed Database (SDD) between March 1, 2011 and March 31, 2020**

Characteristic <sup>1</sup>	Number	Percent	Number	Percent	Standardized Difference <sup>2</sup>
Abx dispensing at least 2 (-365,-1)	2,029	71.3%	3,811	60.5%	0.23
Abx dispensing at least 3 (-365,-1)	1,556	54.7%	2,763	43.9%	0.22
Oral corticosteroid (OCS) dispensing at least 1 (-365,-1)	2,234	78.6%	4,556	72.3%	0.15
OCS dispensing at least 2 (-365,-1)	1,769	62.2%	3,374	53.5%	0.18
OCS dispensing at least 3 (-365,-1)	1,347	47.4%	2,508	39.8%	0.15
Prior history of exactly 1 exacerbation (-365,-1)	776	27.3%	1,717	27.2%	0.00
Prior history of exactly 2 exacerbations (-365,-1)	624	21.9%	1,219	19.3%	0.06
Prior history of exactly 3 exacerbations (-365,-1)	348	12.2%	717	11.4%	0.02
Prior history of exactly 4 exacerbations (-365,-1)	234	8.2%	386	6.1%	0.08
Prior history of at least 5 exacerbations (-365,-1)	185	6.5%	361	5.7%	0.03
At least 1 exacerbation, set up for exclusion [Z,Y] [0,0]	0	0.0%	0	0.0%	---
At least 1 exacerbation, set up for exclusion [Z,Y] [-14,-1]	0	0.0%	0	0.0%	---
<b>Health Services Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Standard Deviation</b>	<b>Standardized Difference</b>
Mean number of ambulatory encounters	22.2	16.4	21	17.9	0.07
Mean number of emergency room encounters	0.6	1.2	0.6	1.2	0.00
Mean number of inpatient hospital encounters	0.3	0.7	0.3	0.7	0.00
Mean number of non-acute institutional encounters	0.1	0.3	0	0.3	0.33
Mean number of other ambulatory encounters	7.6	12.4	7	12.7	0.05
Mean number of unique drug classes	14.4	5.5	15.2	5.8	-0.14
Mean number of generics	15.8	6.5	16.7	6.8	-0.14

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex, race, and hispanic origin which are based on total number of unique patients

<sup>2</sup>Standardized difference is calculated as the difference in means or proportions divided by standard error

<sup>3</sup>The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

**Table 2. Summary of Azithromycin and Roflumilast Users in the Sentinel Distributed Database between March 1, 2011 and March 31, 2020**

Level	New Users	New Episodes	Days At Risk	Days At Risk/New User	Raw		
					Dispensings	Days Supplied	Amount Supplied
<b>At least a total of 183-day COPD chronic medication coverage in pre-index (from -365 to -1)</b>							
Azithromycin (naive users, 25% episode gap)	1,896	1,896	268,614	142	6,114	253,898	174,216
Roflumilast (naive users, 25% episode gap)	5,055	5,055	789,308	156	20,886	754,581	752,108
Azithromycin (non-naive users, 25% episode gap)	4,446	4,446	670,847	151	15,791	636,250	422,909
Roflumilast (non-naive users, 25% episode gap)	9,139	9,139	1,784,065	195	46,849	1,710,755	1,707,203
Azithromycin (non-naive users, 50% episode gap)	4,446	4,446	837,438	188	19,161	765,182	508,050
Roflumilast (non-naive users, 50% episode gap)	9,139	9,139	2,361,244	258	60,254	2,206,333	2,202,268
<b>At least 1 COPD chronic medication dispensing in pre-index (from -365 to -1), 25% episode gap</b>							
Azithromycin (non-naive users), sensitivity	10,195	10,195	1,379,865	135	33,160	1,300,894	860,916
Roflumilast (non-naive users), sensitivity	21,189	21,189	3,408,921	161	90,111	3,238,590	3,231,467
<b>Excluding exacerbation events with respect to index dispensing [Z,Y], 25% episode gap</b>							
Azithromycin (non-naive users), excluding [0,0]	3,353	3,353	515,427	154	12,054	489,218	322,722
Roflumilast (non-naive users), excluding [0,0]	7,196	7,196	1,473,203	205	38,272	1,414,576	1,411,223
Azithromycin (non-naive users), excluding [-14,-1]	2,844	2,844	432,732	152	10,119	410,458	265,908
Roflumilast (non-naive users), excluding [-14,-1]	6,301	6,301	1,300,598	206	33,750	1,248,873	1,246,050

**Table 3a. Summary of Time to Censoring for Azithromycin and Roflumilast Users in the Sentinel Distributed Database between March 1, 2011 and March 31, 2020<sup>1</sup>**

	Total Number of Episodes	<1 Year		1- <2 Years		2- <3 Years		3+ Years	
		Number of Episodes	% Total Episodes	Number of Episodes	% Total Episodes	Number of Episodes	% Total Episodes	Number of Episodes	% Total Episodes
Azithromycin (naive users, 25% episode gap)	1,896	623	32.9%	762	40.2%	326	17.2%	185	9.8%
Azithromycin (non-naive users, 25% episode gap)	4,446	1,454	32.7%	1,787	40.2%	772	17.4%	433	9.7%
Azithromycin (non-naive users, 50% episode gap)	4,446	1,454	32.7%	1,787	40.2%	772	17.4%	433	9.7%
Roflumilast (naive users, 25% episode gap)	5,055	1,405	27.8%	1,766	34.9%	1,051	20.8%	833	16.5%
Roflumilast (non-naive users, 25% episode gap)	9,139	2,514	27.5%	3,233	35.4%	1,918	21.0%	1,474	16.1%
Roflumilast (non-naive users, 50% episode gap)	9,139	2,514	27.5%	3,233	35.4%	1,918	21.0%	1,474	16.1%
Azithromycin (non-naive users), sensitivity	10,195	3,355	32.9%	3,998	39.2%	1,759	17.3%	1,083	10.6%
Roflumilast (non-naive users), sensitivity	21,189	5,811	27.4%	7,391	34.9%	4,454	21.0%	3,533	16.7%
Azithromycin (non-naive users), excluding [0,0]	3,353	1,083	32.3%	1,354	40.4%	578	17.2%	338	10.1%
Roflumilast (non-naive users), excluding [0,0]	7,196	1,886	26.2%	2,522	35.0%	1,574	21.9%	1,214	16.9%
Azithromycin (non-naive users), excluding [-14,-1]	2,844	904	31.8%	1,144	40.2%	498	17.5%	298	10.5%
Roflumilast (non-naive users), excluding [-14,-1]	6,301	1,632	25.9%	2,174	34.5%	1,405	22.3%	1,090	17.3%

<sup>1</sup>Time to censoring is for characterization purposes only. Censoring criteria include disenrollment, death, Data Partner end date, and query end date. Time to censoring does not represent at-risk time and does not take into account episode end date, outcome occurrence, occurrence of user-specified criteria, or blackout period.



**Table 3b. Distribution of Length of Time to Censoring for Azithromycin and Roflumilast Users in the Sentinel Distributed Database between March 1, 2011 and March 31, 2020<sup>1</sup>**

	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
Azithromycin (naive users, 25% episode gap)	1	268	623	1,144	3,221	801	672
Azithromycin (non-naive users, 25% episode gap)	1	274	617	1,153	3,221	806	679
Azithromycin (non-naive users, 50% episode gap)	1	274	617	1,153	3,221	806	679
Roflumilast (naive users, 25% episode gap)	1	321	780	1,471	3,087	976	779
Roflumilast (non-naive users, 25% episode gap)	1	328	783	1,466	3,106	975	771
Roflumilast (non-naive users, 50% episode gap)	1	328	783	1,466	3,106	975	771
Azithromycin (non-naive users), sensitivity	1	274	613	1,176	3,228	819	701
Roflumilast (non-naive users), sensitivity	1	329	795	1,485	3,166	984	776
Azithromycin (non-naive users), excluding [0,0]	1	284	628	1,156	3,221	818	685
Roflumilast (non-naive users), excluding [0,0]	1	347	829	1,500	3,100	1,002	774
Azithromycin (non-naive users), excluding [-14,-1]	1	289	641	1,184	3,221	830	693
Roflumilast (non-naive users), excluding [-14,-1]	1	351	841	1,520	3,100	1,012	777

<sup>1</sup>Time to censoring is for characterization purposes only. Censoring criteria include disenrollment, death, Data Partner end date, and query end date. Time to censoring does not represent at-risk time and does not take into account episode end date, outcome occurrence, occurrence of user-specified criteria, or blackout period.

**Appendix A. Start and End Dates for Each Data Partner up to Request End Date (03/10/2021)**

Masked ID	DP Start Date	DP End Date*
DP01	01/01/2008	02/29/2020
DP02	01/01/2010	12/31/2019
DP03	01/01/2006	01/31/2020
DP04	01/01/2000	06/30/2019
DP05	01/01/2000	03/31/2019
DP06	01/01/2000	04/30/2018
DP07	01/01/2000	11/30/2017
DP08	01/01/2007	03/31/2020
DP09	01/01/2000	02/28/2019
DP10	01/01/2000	01/31/2019
DP11	01/01/2005	07/31/2018
DP12	01/01/2000	07/31/2019
DP13	01/01/2000	04/30/2019
DP14	01/01/2004	08/31/2019
DP15	01/01/2000	12/31/2017

\*End date represents the earliest of: (1) query end date, or (2) last day of the most recent month for which all of a Data Partner's data tables (enrollment, dispensing, etc.) have at least 80% of the record count relative to the prior month.

**Appendix B. List of Generic and Brand Drug Names used to Define Exposures in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
<b>Azithromycin</b>	
azithromycin	Zithromax
azithromycin	Zithromax Z-Pak
azithromycin	Zithromax TRI-PAK
azithromycin	Zmax Pediatric
azithromycin	Zmax
azithromycin	azithromycin
Azithromycin Dihydrate	Azithromycin Dihydrate
Azithromycin Dihydrate	Zithromax
azithromycin monohydrate	azithromycin monohydrate
<b>Roflumilast</b>	
roflumilast	Daliresp
roflumilast	roflumilast

**Appendix C. List of Generic and Brand Drug Names used to Define Inclusion/Exclusion Criteria in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
<b>Inhaled corticosteroids (ICS) mono-product</b>	
budesonide	budesonide
budesonide	Pulmicort
budesonide	Pulmicort Flexhaler
fluticasone furoate	Arnuity Ellipta
fluticasone propionate	Flovent HFA
fluticasone propionate	Flovent Diskus
mometasone furoate	Asmanex Twisthaler
mometasone furoate	Asmanex HFA
beclomethasone dipropionate	Qvar
beclomethasone dipropionate	Qvar RediHaler
budesonide	Pulmicort Turbuhaler
ciclesonide	Alvesco
fluticasone propionate	ArmonAir RespiClick
<b>ICS and long-acting beta agonist (LABA) combination product</b>	
mometasone furoate/formoterol fumarate	Dulera
fluticasone propionate/salmeterol xinafoate	fluticasone propion-salmeterol
fluticasone propionate/salmeterol xinafoate	Advair Diskus
fluticasone propionate/salmeterol xinafoate	Advair HFA
fluticasone furoate/vilanterol trifenate	Breo Ellipta
budesonide/formoterol fumarate	Symbicort
fluticasone propionate/salmeterol xinafoate	Wixela Inhub
fluticasone propionate/salmeterol xinafoate	AirDuo RespiClick
<b>Long-acting muscarinic antagonist (LAMA) mono-product</b>	
umeclidinium bromide	Incruse Ellipta
tiotropium bromide	Spiriva with HandiHaler
tiotropium bromide	Spiriva Respimat
glycopyrrolate	Seebri Neohaler
acclidinium bromide	Tudorza Pressair
revefenacin	Yupelri
glycopyrrolate/nebulizer and accessories	Lonhala Magnair Starter
glycopyrrolate/nebulizer accessories	Lonhala Magnair Refill
<b>LABA and LAMA combination product</b>	
glycopyrrolate/formoterol fumarate	Bevespi Aerosphere
indacaterol maleate/glycopyrrolate	Utibron Neohaler
tiotropium bromide/olodaterol HCl	Stiolto Respimat
umeclidinium bromide/vilanterol trifenate	Anoro Ellipta
<b>ICS, LABA and LAMA combination product</b>	
fluticasone furoate/umeclidinium bromide/vilanterol trifenate	Trelegy Ellipta

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
<b>Chronic Obstructive Pulmonary Disease (COPD) exacerbation codes</b>			
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	ICD-9-CM	Diagnosis
491.22	Obstructive chronic bronchitis with acute bronchitis	ICD-9-CM	Diagnosis
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	ICD-10-CM	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	ICD-10-CM	Diagnosis
<b>COPD diagnosis codes</b>			
491.20	Obstructive chronic bronchitis without exacerbation	ICD-9-CM	Diagnosis
491.0	Simple chronic bronchitis	ICD-9-CM	Diagnosis
491.1	Mucopurulent chronic bronchitis	ICD-9-CM	Diagnosis
491.8	Other chronic bronchitis	ICD-9-CM	Diagnosis
491.9	Unspecified chronic bronchitis	ICD-9-CM	Diagnosis
492.0	Emphysematous bleb	ICD-9-CM	Diagnosis
492.8	Other emphysema	ICD-9-CM	Diagnosis
496	Chronic airway obstruction, not elsewhere classified	ICD-9-CM	Diagnosis
J41	Simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.0	Simple chronic bronchitis	ICD-10-CM	Diagnosis
J41.1	Mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.8	Mixed simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J42	Unspecified chronic bronchitis	ICD-10-CM	Diagnosis
J43	Emphysema	ICD-10-CM	Diagnosis
J43.1	Panlobular emphysema	ICD-10-CM	Diagnosis
J43.2	Centrilobular emphysema	ICD-10-CM	Diagnosis
J43.8	Other emphysema	ICD-10-CM	Diagnosis
J43.9	Emphysema, unspecified	ICD-10-CM	Diagnosis
J44	Other chronic obstructive pulmonary disease	ICD-10-CM	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	ICD-10-CM	Diagnosis
<b>Asthma exacerbation codes</b>			
493.01	Extrinsic asthma with status asthmaticus	ICD-9-CM	Diagnosis
493.02	Extrinsic asthma, with (acute) exacerbation	ICD-9-CM	Diagnosis
493.11	Intrinsic asthma with status asthmaticus	ICD-9-CM	Diagnosis
493.12	Intrinsic asthma, with (acute) exacerbation	ICD-9-CM	Diagnosis
493.91	Asthma, unspecified with status asthmaticus	ICD-9-CM	Diagnosis
493.92	Asthma, unspecified, with (acute) exacerbation	ICD-9-CM	Diagnosis
J45.21	Mild intermittent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.22	Mild intermittent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.31	Mild persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.32	Mild persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.41	Moderate persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.42	Moderate persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.51	Severe persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.52	Severe persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.901	Unspecified asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.902	Unspecified asthma with status asthmaticus	ICD-10-CM	Diagnosis
<b>Asthma diagnosis codes</b>			
493.00	Extrinsic asthma, unspecified	ICD-9-CM	Diagnosis
493.10	Intrinsic asthma, unspecified	ICD-9-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
493.20	Chronic obstructive asthma, unspecified ICD-9-CM	ICD-9-CM	Diagnosis
493.21	Chronic obstructive asthma with status asthmaticus ICD-9-CM	ICD-9-CM	Diagnosis
493.22	Chronic obstructive asthma, with (acute) exacerbation ICD-9-CM	ICD-9-CM	Diagnosis
493.82	Cough variant asthma	ICD-9-CM	Diagnosis
493.90	Asthma, unspecified, unspecified status	ICD-9-CM	Diagnosis
J45	Asthma	ICD-10-CM	Diagnosis
J45.2	Mild intermittent asthma	ICD-10-CM	Diagnosis
J45.20	Mild intermittent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.3	Mild persistent asthma	ICD-10-CM	Diagnosis
J45.30	Mild persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.4	Moderate persistent asthma	ICD-10-CM	Diagnosis
J45.40	Moderate persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.5	Severe persistent asthma	ICD-10-CM	Diagnosis
J45.50	Severe persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.9	Other and unspecified asthma	ICD-10-CM	Diagnosis
J45.90	Unspecified asthma	ICD-10-CM	Diagnosis
J45.909	Unspecified asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.99	Other asthma	ICD-10-CM	Diagnosis
J45.991	Cough variant asthma	ICD-10-CM	Diagnosis
J45.998	Other asthma	ICD-10-CM	Diagnosis
<b>Alpha-1-antitrypsin deficiency</b>			
273.4	Alpha-1-antitrypsin deficiency	ICD-9-CM	Diagnosis
E88.01	Alpha-1-antitrypsin deficiency	ICD-10-CM	Diagnosis
<b>Bronchiectasis</b>			
J47	Bronchiectasis	ICD-10-CM	Diagnosis
J47.0	Bronchiectasis with acute lower respiratory infection	ICD-10-CM	Diagnosis
J47.1	Bronchiectasis with (acute) exacerbation	ICD-10-CM	Diagnosis
J47.9	Bronchiectasis, uncomplicated	ICD-10-CM	Diagnosis
Q33.4	Congenital bronchiectasis	ICD-10-CM	Diagnosis
A15.0	Tuberculous bronchiectasis (current disease)	ICD-10-CM	Diagnosis
494.0	Bronchiectasis without acute exacerbation	ICD-9-CM	Diagnosis
494.1	Bronchiectasis with acute exacerbation	ICD-9-CM	Diagnosis
748.61	Congenital bronchiectasis	ICD-9-CM	Diagnosis
011.90	Unspecified pulmonary tuberculosis, confirmation unspecified	ICD-9-CM	Diagnosis
011.00	Tuberculosis of lung, infiltrative, confirmation unspecified	ICD-9-CM	Diagnosis
011.01	Tuberculosis of lung, infiltrative, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.02	Tuberculosis of lung, infiltrative, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.03	Tuberculosis of lung, infiltrative, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.04	Tuberculosis of lung, infiltrative, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.05	Tuberculosis of lung, infiltrative, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.06	Tuberculosis of lung, infiltrative, tubercle bacilli not found bacteriological or histological examination, but tuberculosis confirmed by other methods (inoculation of animals)	ICD-9-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
011.85	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.86	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.91	Unspecified pulmonary tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.92	Unspecified pulmonary tuberculosis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.93	Unspecified pulmonary tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.94	Unspecified pulmonary tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.95	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.96	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
<b>Cystic fibrosis</b>			
E84	Cystic fibrosis	ICD-10-CM	Diagnosis
E84.0	Cystic fibrosis with pulmonary manifestations	ICD-10-CM	Diagnosis
E84.1	Cystic fibrosis with intestinal manifestations	ICD-10-CM	Diagnosis
E84.11	Meconium ileus in cystic fibrosis	ICD-10-CM	Diagnosis
E84.19	Cystic fibrosis with other intestinal manifestations	ICD-10-CM	Diagnosis
E84.8	Cystic fibrosis with other manifestations	ICD-10-CM	Diagnosis
E84.9	Cystic fibrosis, unspecified	ICD-10-CM	Diagnosis
277.00	Cystic fibrosis without mention of meconium ileus	ICD-9-CM	Diagnosis
277.01	Cystic fibrosis with meconium ileus	ICD-9-CM	Diagnosis
277.02	Cystic fibrosis with pulmonary manifestations	ICD-9-CM	Diagnosis
277.03	Cystic fibrosis with gastrointestinal manifestations	ICD-9-CM	Diagnosis
277.09	Cystic fibrosis with other manifestations	ICD-9-CM	Diagnosis
<b>Sarcoidosis</b>			
D86	Sarcoidosis	ICD-10-CM	Diagnosis
D860	Sarcoidosis of lung	ICD-10-CM	Diagnosis
D861	Sarcoidosis of lymph nodes	ICD-10-CM	Diagnosis
D862	Sarcoidosis of lung with sarcoidosis of lymph nodes	ICD-10-CM	Diagnosis
D863	Sarcoidosis of skin	ICD-10-CM	Diagnosis
D868	Sarcoidosis of other sites	ICD-10-CM	Diagnosis
D8681	Sarcoid meningitis	ICD-10-CM	Diagnosis
D8682	Multiple cranial nerve palsies in sarcoidosis	ICD-10-CM	Diagnosis
D8683	Sarcoid iridocyclitis	ICD-10-CM	Diagnosis
D8684	Sarcoid pyelonephritis	ICD-10-CM	Diagnosis
D8685	Sarcoid myocarditis	ICD-10-CM	Diagnosis
D8686	Sarcoid arthropathy	ICD-10-CM	Diagnosis
D8687	Sarcoid myositis	ICD-10-CM	Diagnosis
D8689	Sarcoidosis of other sites	ICD-10-CM	Diagnosis
D869	Sarcoidosis, unspecified	ICD-10-CM	Diagnosis



**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
135	Sarcoidosis	ICD-9-CM	Diagnosis
<b>Interstitial lung disease (ILD), pneumoconiosis and miscellaneous lung diseases</b>			
J84	Other interstitial pulmonary diseases	ICD-10-CM	Diagnosis
J84.0	Alveolar and parieto-alveolar conditions	ICD-10-CM	Diagnosis
J84.01	Alveolar proteinosis	ICD-10-CM	Diagnosis
J84.02	Pulmonary alveolar microlithiasis	ICD-10-CM	Diagnosis
J84.03	Idiopathic pulmonary hemosiderosis	ICD-10-CM	Diagnosis
J84.09	Other alveolar and parieto-alveolar conditions	ICD-10-CM	Diagnosis
J84.1	Other interstitial pulmonary diseases with fibrosis	ICD-10-CM	Diagnosis
J84.11	Idiopathic interstitial pneumonia	ICD-10-CM	Diagnosis
J84.111	Idiopathic interstitial pneumonia, not otherwise specified	ICD-10-CM	Diagnosis
J84.112	Idiopathic pulmonary fibrosis	ICD-10-CM	Diagnosis
J84.113	Idiopathic non-specific interstitial pneumonitis	ICD-10-CM	Diagnosis
J84.114	Acute interstitial pneumonitis	ICD-10-CM	Diagnosis
J84.115	Respiratory bronchiolitis interstitial lung disease	ICD-10-CM	Diagnosis
J84.116	Cryptogenic organizing pneumonia	ICD-10-CM	Diagnosis
J84.117	Desquamative interstitial pneumonia	ICD-10-CM	Diagnosis
J84.17	Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere	ICD-10-CM	Diagnosis
J84.2	Lymphoid interstitial pneumonia	ICD-10-CM	Diagnosis
J84.8	Other specified interstitial pulmonary diseases	ICD-10-CM	Diagnosis
J84.81	Lymphangioleiomyomatosis	ICD-10-CM	Diagnosis
J84.82	Adult pulmonary Langerhans cell histiocytosis	ICD-10-CM	Diagnosis
J84.83	Surfactant mutations of the lung	ICD-10-CM	Diagnosis
J84.84	Other interstitial lung diseases of childhood	ICD-10-CM	Diagnosis
J84.841	Neuroendocrine cell hyperplasia of infancy	ICD-10-CM	Diagnosis
J84.842	Pulmonary interstitial glycogenosis	ICD-10-CM	Diagnosis
J84.843	Alveolar capillary dysplasia with vein misalignment	ICD-10-CM	Diagnosis
J84.848	Other interstitial lung diseases of childhood	ICD-10-CM	Diagnosis
J84.89	Other specified interstitial pulmonary diseases	ICD-10-CM	Diagnosis
J84.9	Interstitial pulmonary disease, unspecified	ICD-10-CM	Diagnosis
J60	Coalworker's pneumoconiosis	ICD-10-CM	Diagnosis
J61	Pneumoconiosis due to asbestos and other mineral fibers	ICD-10-CM	Diagnosis
J62	Pneumoconiosis due to dust containing silica	ICD-10-CM	Diagnosis
J63	Pneumoconiosis due to other inorganic dusts	ICD-10-CM	Diagnosis
J64	Unspecified pneumoconiosis	ICD-10-CM	Diagnosis
J65	Pneumoconiosis associated with tuberculosis	ICD-10-CM	Diagnosis
J66	Airway disease due to specific organic dust	ICD-10-CM	Diagnosis
J67	Hypersensitivity pneumonitis due to organic dust	ICD-10-CM	Diagnosis
J68	Respiratory conditions due to inhalation of chemicals, gases, fumes and vapors	ICD-10-CM	Diagnosis
J69	Pneumonitis due to solids and liquids	ICD-10-CM	Diagnosis
J70	Respiratory conditions due to other external agents	ICD-10-CM	Diagnosis
J70.0	Acute pulmonary manifestations due to radiation	ICD-10-CM	Diagnosis
J70.1	Chronic and other pulmonary manifestations due to radiation	ICD-10-CM	Diagnosis
J70.2	Acute drug-induced interstitial lung disorders	ICD-10-CM	Diagnosis
J70.3	Chronic drug-induced interstitial lung disorders	ICD-10-CM	Diagnosis
J70.4	Drug-induced interstitial lung disorders, unspecified	ICD-10-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J70.5	Respiratory conditions due to smoke inhalation	ICD-10-CM	Diagnosis
J70.8	Respiratory conditions due to other specified external agents	ICD-10-CM	Diagnosis
J70.9	Respiratory conditions due to unspecified external agent	ICD-10-CM	Diagnosis
516.34	Respiratory bronchiolitis interstitial lung disease	ICD-9-CM	Diagnosis
516.69	Other interstitial lung diseases of childhood	ICD-9-CM	Diagnosis
516.0	Pulmonary alveolar proteinosis	ICD-9-CM	Diagnosis
516.2	Pulmonary alveolar microlithiasis	ICD-9-CM	Diagnosis
516.1	Idiopathic pulmonary hemosiderosis	ICD-9-CM	Diagnosis
516.8	Other specified alveolar and parietoalveolar pneumonopathies	ICD-9-CM	Diagnosis
516.30	Idiopathic interstitial pneumonia, not otherwise specified	ICD-9-CM	Diagnosis
516.31	Idiopathic pulmonary fibrosis	ICD-9-CM	Diagnosis
516.32	Idiopathic non-specific interstitial pneumonitis	ICD-9-CM	Diagnosis
516.33	Acute interstitial pneumonitis	ICD-9-CM	Diagnosis
516.36	Cryptogenic organizing pneumonia	ICD-9-CM	Diagnosis
516.37	Desquamative interstitial pneumonia	ICD-9-CM	Diagnosis
515	Postinflammatory pulmonary fibrosis	ICD-9-CM	Diagnosis
516.35	Idiopathic lymphoid interstitial pneumonia	ICD-9-CM	Diagnosis
516.4	Lymphangioleiomyomatosis	ICD-9-CM	Diagnosis
516.5	Adult pulmonary Langerhans cell histiocytosis	ICD-9-CM	Diagnosis
516.63	Surfactant mutations of the lung	ICD-9-CM	Diagnosis
516.61	Neuroendocrine cell hyperplasia of infancy	ICD-9-CM	Diagnosis
516.62	Pulmonary interstitial glycogenosis	ICD-9-CM	Diagnosis
516.64	Alveolar capillary dysplasia with vein misalignment	ICD-9-CM	Diagnosis
516.9	Unspecified alveolar and parietoalveolar pneumonopathy	ICD-9-CM	Diagnosis
500	Coal workers' pneumoconiosis	ICD-9-CM	Diagnosis
501	Asbestosis	ICD-9-CM	Diagnosis
505	Unspecified pneumoconiosis	ICD-9-CM	Diagnosis
508.0	Acute pulmonary manifestations due to radiation	ICD-9-CM	Diagnosis
508.1	Chronic and other pulmonary manifestations due to radiation	ICD-9-CM	Diagnosis
508.8	Respiratory conditions due to other specified external agents	ICD-9-CM	Diagnosis
508.2	Respiratory conditions due to smoke inhalation	ICD-9-CM	Diagnosis
508.9	Respiratory conditions due to unspecified external agent	ICD-9-CM	Diagnosis
502	Pneumoconiosis due to other silica or silicates	ICD-9-CM	Diagnosis
503	Pneumoconiosis due to other inorganic dust	ICD-9-CM	Diagnosis
<b>Other lung diseases</b>			
011	Pulmonary tuberculosis	ICD-9-CM	Diagnosis
012	Other respiratory tuberculosis	ICD-9-CM	Diagnosis
495	Extrinsic allergic alveolitis	ICD-9-CM	Diagnosis
510.0	Empyema with fistula	ICD-9-CM	Diagnosis
510.9	Empyema without mention of fistula	ICD-9-CM	Diagnosis
511.0	Pleurisy without mention of effusion or current tuberculosis	ICD-9-CM	Diagnosis
511.1	Pleurisy with effusion, with mention of bacterial cause other than tuberculosis	ICD-9-CM	Diagnosis
511.8	Other specified forms of pleural effusion, except tuberculous	ICD-9-CM	Diagnosis
511.81	Malignant pleural effusion	ICD-9-CM	Diagnosis
511.89	Other specified forms of effusion, except tuberculous	ICD-9-CM	Diagnosis
511.9	Unspecified pleural effusion	ICD-9-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
512.0	Spontaneous tension pneumothorax	ICD-9-CM	Diagnosis
512.1	Iatrogenic pneumothorax	ICD-9-CM	Diagnosis
512.2	Postoperative air leak	ICD-9-CM	Diagnosis
512.8	Other pneumothorax and air leak	ICD-9-CM	Diagnosis
512.81	Primary spontaneous pneumothorax	ICD-9-CM	Diagnosis
512.82	Secondary spontaneous pneumothorax	ICD-9-CM	Diagnosis
512.83	Chronic pneumothorax	ICD-9-CM	Diagnosis
512.84	Other air leak	ICD-9-CM	Diagnosis
512.89	Other pneumothorax	ICD-9-CM	Diagnosis
513.0	Abscess of lung	ICD-9-CM	Diagnosis
513.1	Abscess of mediastinum	ICD-9-CM	Diagnosis
516.3	Idiopathic interstitial pneumonia	ICD-9-CM	Diagnosis
516.6	Interstitial lung diseases of childhood	ICD-9-CM	Diagnosis
517.1	Rheumatic pneumonia	ICD-9-CM	Diagnosis
517.2	Lung involvement in systemic sclerosis	ICD-9-CM	Diagnosis
517.3	Acute chest syndrome	ICD-9-CM	Diagnosis
517.8	Lung involvement in other diseases classified elsewhere	ICD-9-CM	Diagnosis
518.0	Pulmonary collapse	ICD-9-CM	Diagnosis
518.1	Interstitial emphysema	ICD-9-CM	Diagnosis
518.2	Compensatory emphysema	ICD-9-CM	Diagnosis
518.3	Pulmonary eosinophilia	ICD-9-CM	Diagnosis
518.4	Unspecified acute edema of lung	ICD-9-CM	Diagnosis
518.5	Pulmonary insufficiency following trauma and surgery	ICD-9-CM	Diagnosis
518.51	Acute respiratory failure following trauma and surgery	ICD-9-CM	Diagnosis
518.52	Other pulmonary insufficiency, not elsewhere classified, following trauma and surgery	ICD-9-CM	Diagnosis
518.53	Acute and chronic respiratory failure following trauma and surgery	ICD-9-CM	Diagnosis
518.6	Allergic bronchopulmonary aspergillosis	ICD-9-CM	Diagnosis
518.7	Transfusion related acute lung injury [TRALI]	ICD-9-CM	Diagnosis
518.8	Other diseases of lung	ICD-9-CM	Diagnosis
518.81	Acute respiratory failure	ICD-9-CM	Diagnosis
518.82	Other pulmonary insufficiency, not elsewhere classified	ICD-9-CM	Diagnosis
518.83	Chronic respiratory failure	ICD-9-CM	Diagnosis
518.84	Acute and chronic respiratory failure	ICD-9-CM	Diagnosis
518.89	Other diseases of lung, not elsewhere classified	ICD-9-CM	Diagnosis
519.0	Tracheostomy complications	ICD-9-CM	Diagnosis
519.00	Unspecified tracheostomy complication	ICD-9-CM	Diagnosis
519.01	Infection of tracheostomy	ICD-9-CM	Diagnosis
519.02	Mechanical complication of tracheostomy	ICD-9-CM	Diagnosis
519.09	Other tracheostomy complications	ICD-9-CM	Diagnosis
519.1	Other diseases of trachea and bronchus, not elsewhere classified	ICD-9-CM	Diagnosis
519.11	Acute bronchospasm	ICD-9-CM	Diagnosis
519.19	Other diseases of trachea and bronchus	ICD-9-CM	Diagnosis
519.2	Mediastinitis	ICD-9-CM	Diagnosis
519.3	Other diseases of mediastinum, not elsewhere classified	ICD-9-CM	Diagnosis
519.4	Disorders of diaphragm	ICD-9-CM	Diagnosis
519.8	Other diseases of respiratory system, not elsewhere classified	ICD-9-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
519.9	Unspecified disease of respiratory system	ICD-9-CM	Diagnosis
J18.2	Hypostatic pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J81.1	Chronic pulmonary edema	ICD-10-CM	Diagnosis
J84.10	Pulmonary fibrosis, unspecified	ICD-10-CM	Diagnosis
B44.81	Allergic bronchopulmonary aspergillosis	ICD-10-CM	Diagnosis
D57.01	Hb-SS disease with acute chest syndrome	ICD-10-CM	Diagnosis
D57.211	Sickle-cell/Hb-C disease with acute chest syndrome	ICD-10-CM	Diagnosis
D57.411	Sickle-cell thalassemia with acute chest syndrome	ICD-10-CM	Diagnosis
D57.811	Other sickle-cell disorders with acute chest syndrome	ICD-10-CM	Diagnosis
J17	Pneumonia in diseases classified elsewhere	ICD-10-CM	Diagnosis
J22	Unspecified acute lower respiratory infection	ICD-10-CM	Diagnosis
J39.8	Other specified diseases of upper respiratory tract	ICD-10-CM	Diagnosis
J80	Acute respiratory distress syndrome	ICD-10-CM	Diagnosis
J81.0	Acute pulmonary edema	ICD-10-CM	Diagnosis
J82	Pulmonary eosinophilia, not elsewhere classified	ICD-10-CM	Diagnosis
J85.0	Gangrene and necrosis of lung	ICD-10-CM	Diagnosis
J85.1	Abscess of lung with pneumonia	ICD-10-CM	Diagnosis
J85.2	Abscess of lung without pneumonia	ICD-10-CM	Diagnosis
J85.3	Abscess of mediastinum	ICD-10-CM	Diagnosis
J86.0	Pyothorax with fistula	ICD-10-CM	Diagnosis
J86.9	Pyothorax without fistula	ICD-10-CM	Diagnosis
J90	Pleural effusion, not elsewhere classified	ICD-10-CM	Diagnosis
J91.0	Malignant pleural effusion	ICD-10-CM	Diagnosis
J91.8	Pleural effusion in other conditions classified elsewhere	ICD-10-CM	Diagnosis
J92.0	Pleural plaque with presence of asbestos	ICD-10-CM	Diagnosis
J92.9	Pleural plaque without asbestos	ICD-10-CM	Diagnosis
J93.0	Spontaneous tension pneumothorax	ICD-10-CM	Diagnosis
J93.11	Primary spontaneous pneumothorax	ICD-10-CM	Diagnosis
J93.12	Secondary spontaneous pneumothorax	ICD-10-CM	Diagnosis
J93.81	Chronic pneumothorax	ICD-10-CM	Diagnosis
J93.82	Other air leak	ICD-10-CM	Diagnosis
J93.83	Other pneumothorax	ICD-10-CM	Diagnosis
J93.9	Pneumothorax, unspecified	ICD-10-CM	Diagnosis
J94.0	Chylous effusion	ICD-10-CM	Diagnosis
J94.1	Fibrothorax	ICD-10-CM	Diagnosis
J94.2	Hemothorax	ICD-10-CM	Diagnosis
J94.8	Other specified pleural conditions	ICD-10-CM	Diagnosis
J94.9	Pleural condition, unspecified	ICD-10-CM	Diagnosis
J95.00	Unspecified tracheostomy complication	ICD-10-CM	Diagnosis
J95.01	Hemorrhage from tracheostomy stoma	ICD-10-CM	Diagnosis
J95.02	Infection of tracheostomy stoma	ICD-10-CM	Diagnosis
J95.03	Malfunction of tracheostomy stoma	ICD-10-CM	Diagnosis
J95.04	Tracheo-esophageal fistula following tracheostomy	ICD-10-CM	Diagnosis
J95.09	Other tracheostomy complication	ICD-10-CM	Diagnosis
J95.1	Acute pulmonary insufficiency following thoracic surgery	ICD-10-CM	Diagnosis
J95.2	Acute pulmonary insufficiency following nonthoracic surgery	ICD-10-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J95.3	Chronic pulmonary insufficiency following surgery	ICD-10-CM	Diagnosis
J95.811	Postprocedural pneumothorax	ICD-10-CM	Diagnosis
J95.812	Postprocedural air leak	ICD-10-CM	Diagnosis
J95.821	Acute postprocedural respiratory failure	ICD-10-CM	Diagnosis
J95.822	Acute and chronic postprocedural respiratory failure	ICD-10-CM	Diagnosis
J95.84	Transfusion-related acute lung injury (TRALI)	ICD-10-CM	Diagnosis
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	ICD-10-CM	Diagnosis
J96.01	Acute respiratory failure with hypoxia	ICD-10-CM	Diagnosis
J96.02	Acute respiratory failure with hypercapnia	ICD-10-CM	Diagnosis
J96.10	Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	ICD-10-CM	Diagnosis
J96.11	Chronic respiratory failure with hypoxia	ICD-10-CM	Diagnosis
J96.12	Chronic respiratory failure with hypercapnia	ICD-10-CM	Diagnosis
J96.20	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	ICD-10-CM	Diagnosis
J96.21	Acute and chronic respiratory failure with hypoxia	ICD-10-CM	Diagnosis
J96.22	Acute and chronic respiratory failure with hypercapnia	ICD-10-CM	Diagnosis
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	ICD-10-CM	Diagnosis
J96.91	Respiratory failure, unspecified with hypoxia	ICD-10-CM	Diagnosis
J96.92	Respiratory failure, unspecified with hypercapnia	ICD-10-CM	Diagnosis
J98.01	Acute bronchospasm	ICD-10-CM	Diagnosis
J98.09	Other diseases of bronchus, not elsewhere classified	ICD-10-CM	Diagnosis
J98.11	Atelectasis	ICD-10-CM	Diagnosis
J98.19	Other pulmonary collapse	ICD-10-CM	Diagnosis
J98.2	Interstitial emphysema	ICD-10-CM	Diagnosis
J98.3	Compensatory emphysema	ICD-10-CM	Diagnosis
J98.4	Other disorders of lung	ICD-10-CM	Diagnosis
J98.51	Mediastinitis	ICD-10-CM	Diagnosis
J98.59	Other diseases of mediastinum, not elsewhere classified	ICD-10-CM	Diagnosis
J98.6	Disorders of diaphragm	ICD-10-CM	Diagnosis
J98.8	Other specified respiratory disorders	ICD-10-CM	Diagnosis
J98.9	Respiratory disorder, unspecified	ICD-10-CM	Diagnosis
J99	Respiratory disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
M32.13	Lung involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M33.01	Juvenile dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
M33.11	Other dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
M33.21	Polymyositis with respiratory involvement	ICD-10-CM	Diagnosis
M33.91	Dermatopolymyositis, unspecified with respiratory involvement	ICD-10-CM	Diagnosis
M34.81	Systemic sclerosis with lung involvement	ICD-10-CM	Diagnosis
M35.02	Sicca syndrome with lung involvement	ICD-10-CM	Diagnosis
R06.03	Acute respiratory distress	ICD-10-CM	Diagnosis
R09.1	Pleurisy	ICD-10-CM	Diagnosis
<b>Human immunodeficiency virus (HIV)</b>			
042	Human immunodeficiency virus [HIV]	ICD-9-CM	Diagnosis
07953	Human immunodeficiency virus, type 2 (HIV 2), in conditions classified elsewhere and of unspecified site	ICD-9-CM	Diagnosis
27910	Unspecified immunodeficiency with predominant T-cell defect	ICD-9-CM	Diagnosis

**Appendix D. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis Codes to Define Inclusion/Exclusion Criteria in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
27919	Other deficiency of cell-mediated immunity	ICD-9-CM	Diagnosis
79571	Nonspecific serologic evidence of human immunodeficiency virus (HIV)	ICD-9-CM	Diagnosis
7958	Abnormal tumor markers	ICD-9-CM	Diagnosis
V08	Asymptomatic human immunodeficiency virus (HIV) infection status	ICD-9-CM	Diagnosis
B20	Human immunodeficiency virus [HIV] disease	ICD-10-CM	Diagnosis
B9735	Human immunodeficiency virus, type 2 [HIV 2] as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
D848	Other specified immunodeficiencies	ICD-10-CM	Diagnosis
R75	Inconclusive laboratory evidence of human immunodeficiency virus [HIV]	ICD-10-CM	Diagnosis
Z21	Asymptomatic human immunodeficiency virus [HIV] infection status	ICD-10-CM	Diagnosis

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

Generic Name	Brand Name
Oral Corticosteroid (OCS)	
betamethasone	Celestone
cortisone acetate	cortisone
cortisone acetate	Cortisone aceticum
deflazacort	Emflaza
dexamethasone	Dexamethasone Intensol
dexamethasone	dexamethasone
dexamethasone	DexPak 10 day
dexamethasone	DexPak 13 Day
dexamethasone	DexPak 6 Day
dexamethasone	Baycadron
dexamethasone	Decadron
dexamethasone	Dxevo
dexamethasone	HiDex
dexamethasone	LoCort
dexamethasone	TaperDex
dexamethasone	Zema-Pak
dexamethasone	ZoDex
dexamethasone	ZonaCort
Dexamethasone	Dexamethsone
dexamethasone	HiDex 6-day
dexamethasone	TaperDex 12-day
dexamethasone	TaperDex 6-day
dexamethasone	TaperDex 7-day
Dexamethasone 1.5 mg	Dexamethasone
Dexamethasone 1.5 mg	Dxevo
dexamethasone/saliva collection device	Cushings Syndrome Diagnostic
hydrocortisone	Cortef
hydrocortisone	hydrocortisone
Hydrocortisone	CORTISOL
Hydrocortisone	Cortisol Phenolic
methylprednisolone	Medrol
methylprednisolone	Medrol (Pak)
methylprednisolone	methylprednisolone
methylprednisolone	Meprolone Unipak
methylprednisolone	Methylpred
methylprednisolone	Methylpred DP
prednisolone	prednisolone
prednisolone	Millipred
prednisolone	Millipred DP
prednisolone	Prelone
prednisolone acetate	Flo-Pred
prednisolone sodium phosphate	prednisolone sodium phosphate
prednisolone sodium phosphate	Millipred
prednisolone sodium phosphate	Orapred
prednisolone sodium phosphate	Orapred ODT
prednisolone sodium phosphate	Pediapred
prednisolone sodium phosphate	Veripred 20



**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
Prednisolone Sodium Phosphate	Prednisolone Sodium Phosphate Oral Solution
Prednisolone Sodium Phosphate/Peak Flow Meter	Asmalpred
Prednisolone Sodium Phosphate/Peak Flow Meter	Asmalpred Plus
prednisone	prednisone
prednisone	Prednisone Intensol
prednisone	Deltasone
prednisone	Rayos
prednisone	Sterapred
prednisone	Sterapred DS
<b>Antibiotics</b>	
Amoxicillan and clavulanate potassium	Amoxicillan and clavulanate potassium
amoxicillin	Amoxil
amoxicillin	amoxicillin
amoxicillin	DisperMox
amoxicillin	Moxatag
amoxicillin	Trimox
amoxicillin	Trimox 250
Amoxicillin and Clavulanate Potassium	Amoxicillin and Clavulanate Potassium
amoxicillin and clavulanate potassium	AUGMENTIN ES-600
amoxicillin and clavulanate potassium	AUGMENTIN
amoxicillin clav/pot	AMOXICILLIN CLAV/POT
amoxicillin clav/pot	AMOXICILLIN/CLAV POT
amoxicillin/potassium clavulanate	Augmentin
amoxicillin/potassium clavulanate	Augmentin ES-600
amoxicillin/potassium clavulanate	Augmentin XR
amoxicillin/potassium clavulanate	amoxicillin-pot clavulanate
ampicillin trihydrate	ampicillin
ampicillin trihydrate	Principen
azithromycin	Zithromax
azithromycin	Zithromax Z-Pak
azithromycin	Zithromax TRI-PAK
azithromycin	Zmax Pediatric
azithromycin	Zmax
azithromycin	azithromycin
azithromycin	Azithromycin Dihydrate
azithromycin anhydrous	Azithromycin
azithromycin dihydrate	azithromycin dihydrate
azithromycin dihydrate	Zithromax
azithromycin monohydrate	azithromycin monohydrate
doxycycline	Okebo
Doxycycline	Mondoxyne
Doxycycline	Mondoxyne NL 100mg
Doxycycline	Mondoxyne NL
doxycycline calcium	Vibramycin
doxycycline calcium	Vibramycin Calcium
doxycycline hyclate	Vibramycin
doxycycline hyclate	Vibra-Tabs
doxycycline hyclate	doxycycline hyclate

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
Doxycycline hyclate	Doxycycline
doxycycline hyclate	Periostat
doxycycline hyclate	Doryx
doxycycline hyclate	Acticlate
doxycycline hyclate	Morgidox
Doxycycline Hyclate	DORYX MPC
Doxycycline Hyclate	Ocudox
Doxycycline Hyclate	Doxycycline Hyclate Capsules
doxycycline hyclate	TARGADOX
Doxycycline Hyclate	Doxycyclate Hyclate
doxycycline hyclate	Oraxyl
doxycycline hyclate	Soloxide
doxycycline monohydrate	Vibramycin
doxycycline monohydrate	doxycycline monohydrate
doxycycline monohydrate	Oracea
doxycycline monohydrate	Adoxa
doxycycline monohydrate	Adoxa Pak
doxycycline monohydrate	Monodox
doxycycline monohydrate	Avidoxy
doxycycline monohydrate	Okebo
doxycycline monohydrate	Mondoxyne NL
doxycycline monohydrate/omega-3 combination no.1/Eye Mask	Nutridox
doxycycline monohydrate/skin cleanser combination no.9	Adoxa TT
doxycycline monohydrate/skin cleanser combination no.9	Adoxa CK
erythromycin base	PCE
erythromycin base	erythromycin
erythromycin base	Ery-Tab
erythromycin base	Eryc
erythromycin base	E-Mycin
erythromycin ethylsuccinate	erythromycin ethylsuccinate
erythromycin ethylsuccinate	E.E.S. 400
erythromycin ethylsuccinate	EryPed 200
erythromycin ethylsuccinate	EryPed
erythromycin ethylsuccinate	EryPed 400
erythromycin ethylsuccinate	E.E.S. 200
erythromycin ethylsuccinate	E.E.S. Granules
erythromycin ethylsuccinate/sulfisoxazole acetyl	erythromycin-sulfisoxazole
erythromycin ethylsuccinate/sulfisoxazole acetyl	Pediazole
erythromycin stearate	Erythrocin (as stearate)
erythromycin stearate	erythromycin stearate
gemifloxacin mesylate	Factive
lansoprazole/amoxicillin trihydrate/clarithromycin	amoxicil-clarithromy-lansopraz
lansoprazole/amoxicillin trihydrate/clarithromycin	Prevpac
levofloxacin	Levaquin
levofloxacin	Levaquin Leva-Pak
levofloxacin	levofloxacin
linezolid	Zyvox
linezolid	linezolid

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
minocycline HCl	Minocin
minocycline HCl	minocycline
minocycline HCl	Ximino
minocycline HCl	Dynacin
minocycline HCl	Solodyn
minocycline HCl	CoreMino
minocycline HCl	Minolira ER
Moxifloxacin	Moxifloxacin
moxifloxacin HCl	Avelox
moxifloxacin HCl	Avelox ABC Pack
moxifloxacin HCl	moxifloxacin
moxifloxacin hydrochloride	Avelox
moxifloxacin hydrochloride	moxifloxacin hydrochloride
moxifloxacin hydrochloride	Moxifloxacin
Moxifloxacin Hydrochloride Tablets, 400 mg	Moxifloxacin Hydrochloride Tablets, 400 mg
ofloxacin	ofloxacin
ofloxacin	Floxin
omeprazole/clarithromycin/amoxicillin trihydrate	Omeclamox-Pak
penicillin G benzathine	Bicillin L-A
penicillin G benzathine/penicillin G procaine	Bicillin C-R
penicillin V potassium	penicillin V potassium
penicillin V potassium	Veetids
Sulfamethoxazole and Trimethoprim	Sulfamethoxazole and Trimethoprim
Sulfamethoxazole and Trimethoprim	SULFATRIM
sulfamethoxazole and Trimethoprim	Bactrim
sulfamethoxazole and Trimethoprim	Bactrim DS
Sulfamethoxazole and Trimethoprim DS	Sulfamethoxazole and Trimethoprim DS
sulfamethoxazole, trimethoprim	Sulfamethox-TMP DS
sulfamethoxazole/trimethoprim	sulfamethoxazole-trimethoprim
sulfamethoxazole/trimethoprim	Sulfatrim
sulfamethoxazole/trimethoprim	Bactrim DS
sulfamethoxazole/trimethoprim	Bactrim
sulfamethoxazole/trimethoprim	Septra
sulfamethoxazole/trimethoprim	SMZ-TMP DS
sulfamethoxazole/trimethoprim	Sultrex
sulfamethoxazole/trimethoprim	Septra DS
tedizolid phosphate	Sivextro
tetracycline HCl	tetracycline
tetracycline HCl	Sumycin
Tobramycin	Tobramycin
tobramycin in 0.225 % sodium chloride	Tobi
tobramycin in 0.225 % sodium chloride	tobramycin in 0.225 % NaCl
<b>Influenza vaccine</b>	
influenza tv-s 08-09 vaccine	Flulaval 2008-2009
Influenza Virus Vaccine Tri-Split 2009-2010	Flulaval 2009-2010
influenza virus vaccine quad vs 2014-2015 (36 mos and older)	Flulaval Quad 2014-2015
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Flulaval 2014-2015 (PF)
influenza virus vaccine trivalent 2014-15 (36 mos and older)	Flulaval 2014-2015

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Flulaval Quad 2014-2015 (PF)
influenza virus vaccine quadrival 2015-2016 (36 mos, older)	Flulaval Quad 2015-2016
influenza virus vaccine qvalsplint 2016-2017(6 mos and older)	Flulaval Quad 2016-2017
influenza virus vaccine qvalsplint 2016-2017(6 mos and up)/PF	Flulaval Quad 2016-2017 (PF)
Influenza TV-S 08-09 Vaccine/PF	Afluria 2008-2009 (PF)
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Afluria 2009-2010 (PF)
influenza virus vaccine trivalent 2014-2015 (5 yr, older)/PF	Afluria 2014-2015 (PF)
influenza virus vaccine trivalent 2015-2016 (5 yr, older)/PF	Afluria 2015-2016 (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	Afluria 2016-2017 (PF)
influenza tv-s 08-09 vaccine	Afluria 2008-2009
Influenza Virus Vaccine Tri-Split 2009-2010	Afluria 2009-2010
influenza virus vaccine trivalent 2014-2015 (5 yr and older)	Afluria 2014-2015
influenza virus vaccine trivalent 2015-2016 (5 yr and older)	Afluria 2015-2016
influenza virus vaccine trivalent 2016-2017 (5 yr and older)	Afluria 2016-2017
influenza virus vaccine quadrivalent 2016-17(18yr and up)/PF	Afluria Quad 2016-2017 (PF)
influenza virus vaccine quadrivalent 2016-17(18 year and up)	Afluria Quad 2016-2017
Influenza A (H1N1) Virus Vaccine Monovalent 2009/PF	influenza A (H1N1) vac 09 (PF)
Influenza A (H1N1) Virus Vaccine Monovalent 2009	influenza A (H1N1) vac 2009
influenza virus vaccine tv 2014-2015(18 yrs, older)recomb/PF	Flublok 2014-2015 (PF)
influenza virus vaccine tv 2015-2016(18 yrs, older)recomb/PF	Flublok 2015-2016 (PF)
influenza virus vaccine tv 2016-17(18 yrs and older)rcmb/PF	Flublok 2016-2017 (PF)
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Agriflu 2009-2010 (PF)
Influenza TV-S 08-09 Vaccine/PF	Fluzone 2008-2009 (PF)
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Fluzone 2009-2010 (PF)
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Fluzone Pedi 2009-2010 (PF)
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluzone 2014-2015 (PF)
influenza tv-s 08-09 vaccine	Fluzone 2008-2009
Influenza Virus Vaccine Tri-Split 2009-2010	Fluzone 2009-2010
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Fluzone High-Dose 2009-10 (PF)
influenza virus vaccine trivalent 2014-15 (6 mos and older)	Fluzone 2014-2015
influenza virus vaccine trivalent 2014-2015 (65 yr,older)/PF	Fluzone High-Dose 2014-15 (PF)
influenza virus vaccine trivalent 2015-16 (6 mos and older)	Fluzone 2015-2016
influenza virus vaccine trivalent split 2015-16(65 yr,up)/PF	Fluzone High-Dose 2015-16 (PF)
influenza virus vaccine trival split 2016-2017(65 yr up)/PF	Fluzone High-Dose 2016-17 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluzone Quad 2014-2015 (PF)
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluzone Quad 2015-2016 (PF)
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluzone Quad 2016-2017 (PF)
influenza virus vaccine quadrival 2014-15 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2014-15 (PF)
influenza virus vaccine quadrival 2015-16 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2015-16 (PF)
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2016-17 (PF)
influenza virus vaccine quadrival 2014-2015(6 mos and older)	Fluzone Quad 2014-2015
influenza virus vaccine qvalsplint 2015-2016(6 mos and older)	Fluzone Quad 2015-2016
influenza virus vaccine qvalsplint 2016-2017(6 mos and older)	Fluzone Quad 2016-2017
influenza virus vaccine quadrivalent 2015-16(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2015-16
influenza virus vaccine trivalent 2014-15 (18 yrs-64 yrs)/PF	Fluzone Intraderm 2014-15 (PF)
influenza virus vaccine quadrivalent 2016-17(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2016-17
Influenza TV-S 08-09 Vaccine/PF	Fluarix 2008-09 (PF)
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Fluarix 2009-2010 (PF)

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluarix 2014-2015 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluarix Quad 2014-2015 (PF)
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluarix Quad 2015-2016 (PF)
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluarix Quad 2016-2017 (PF)
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Flucelvax 2014-2015 (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	Flucelvax 2015-2016 (PF)
influenza vacc,tri 2008(live)	Flumist 2008-2009
Influenza Virus Vaccine Trivalent 2009-2010 (Live)	Flumist 2009-2010
Influenza-A (H1N1) Virus Vaccine Monovalent 2009 (Live)	influenza A(H1N1)vac 2009 live
influenza vaccine quadrivalent live 2014-2015 (2 yrs-49 yrs)	Flumist Quad 2014-2015
influenza vaccine quadrivalent live 2015-2016 (2 yrs-49 yrs)	Flumist Quad 2015-2016
influenza vaccine quadrivalent live 2016-2017 (2 yrs-49 yrs)	Flumist Quad 2016-2017
influenza vaccine tvs 2015-16 (65 yr,up)/adjuvant MF59C.1/PF	Fluad 2015-16(65yr+)(PF)
Influenza TV-S 08-09 Vaccine/PF	Fluvirin 2008-2009 (PF)
influenza tv-s 08-09 vaccine	Fluvirin 2008-2009
Influenza Virus Vaccine Trivalent-Split 2009-2010/PF	Fluvirin 2009-2010 (PF)
Influenza Virus Vaccine Tri-Split 2009-2010	Fluvirin 2009-2010
influenza virus vaccine trivalent 2014-2015 (4 yr, older)/PF	Fluvirin 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (4 yr and older)	Fluvirin 2014-2015
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	Fluvirin 2015-2016 (PF)
influenza virus vaccine trivalent 2015-2016 (4 yr and older)	Fluvirin 2015-2016
influenza vaccine tvs 2016-17 (65 yr up)/adjuvant MF59C.1/PF	Fluad 2016-2017 (65 yr up)(PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	Fluvirin 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (4 yr and older)	Fluvirin 2016-2017
flu vaccine qs 2016-2017(4 years and older)cell derived/PF	Flucelvax Quad 2016-2017 (PF)
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Single Use EZ Flu 2014-15(PF)
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	EZ Flu 2015-16 (Fluvirin) (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	EZ Flu 2015-16(Flucelvax)(PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	EZ Flu 2016-17 (Fluvirin) (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	EZ Flu 2016-17 (Afluria) (PF)
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	EZ Flu16-17(Fluzon Qd Ped)(PF)
<b>Pneumococcal vaccine</b>	
pneumococcal 7-valent conjugate vaccine (diphtheria crm)/PF	Pevnar (PF)
pneumococcal 13-valent conjugate vaccine (Diphtheria crm)/PF	Pevnar 13 (PF)
pneumococcal 23-valent polysaccharide vaccine	Pneumovax-23
<b>Smoking</b>	
nicotine	Nicotrol NS
nicotine	Nicotrol
nicotine	nicotine
nicotine polacrilex	Thrive Nicotine
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
bupropion HCl	Buproban
nicotine polacrilex	nicotine (polacrilex)
nicotine	Nicoderm CQ

**Appendix E. List of Generic and Brand Drug Names used to Define Baseline Characteristics in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
nicotine polacrilex	Nicorette
nicotine polacrilex	Nicorette Refill
nicotine polacrilex	Commit
bupropion HCl	Zyban
bupropion HCl	bupropion HCl (smoking deter)
silver nitrate	silver nitrate (bulk)
nicotine polacrilex	Nicorette Starter Kit
nicotine polacrilex	Nicorelief
nicotine polacrilex	Stop Smoking Aid
nicotine polacrilex	nicotine polacrilex (bulk)
nicotine	NTS Step 1
nicotine	NTS Step 3
nicotine	NTS Step 2
nicotine bitartrate	Nicotine Tartrate
nicotine	Habitrol
nicotine polacrilex	Quit 2
nicotine polacrilex	Quit 4

**Appendix F. List of Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Second Edition (CPT-2), and Current Procedural Terminology, Fourth Edition (CPT-4) codes to Define Baseline Characteristics in this Request**

Code	Description	Code Type	Code Category
<b>Oral Corticosteroid (OCS)</b>			
J8540	Dexamethasone oral 0.25 MG	HC	Procedure
J0702	Inj betamethasone ac & phos 3 MG	HC	Procedure
J1094	Injection, injection dexamethasone actat 1 mg	HC	Procedure
J1020	Injection, methylprednisolone acetate, 20 mg	HC	Procedure
J1030	Injection, methylprednisolone acetate, 40 mg	HC	Procedure
J1040	Injection, methylprednisolone acetate, 80 mg	HC	Procedure
J2650	Injection, prednisolone acetate, up to 1 ml	HC	Procedure
J3302	Injection, triamcinolone diacetate, per 5 mg	HC	Procedure
J3301	Injection, triamcinolone acetonide, not otherwise specified, 10 mg	HC	Procedure
<b>Influenza vaccine</b>			
90630	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, for intradermal use	C4	Procedure
90653	Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use	C4	Procedure
90654	Influenza virus vaccine, trivalent (IIV3), split virus, preservative-free, for intradermal use	C4	Procedure
90655	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.25 mL dosage, for intramuscular use	C4	Procedure
90656	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.5 mL dosage, for intramuscular use	C4	Procedure
90657	Influenza virus vaccine, trivalent (IIV3), split virus, 0.25 mL dosage, for intramuscular use	C4	Procedure
90658	Influenza virus vaccine, trivalent (IIV3), split virus, 0.5 mL dosage, for intramuscular use	C4	Procedure
90659	Influenza virus vaccine, whole virus, for intramuscular or jet injection use	C4	Procedure
90660	Influenza virus vaccine, trivalent, live (LAIV3), for intranasal use	C4	Procedure
90661	Influenza virus vaccine, trivalent (cclIV3), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	C4	Procedure
90662	Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use	C4	Procedure
90663	Influenza virus vaccine, pandemic formulation, H1N1	C4	Procedure
90664	Influenza virus vaccine, live (LAIV), pandemic formulation, for intranasal use	C4	Procedure
90666	Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use	C4	Procedure
90667	Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use	C4	Procedure
90668	Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use	C4	Procedure
90672	Influenza virus vaccine, quadrivalent, live (LAIV4), for intranasal use	C4	Procedure
90673	Influenza virus vaccine, trivalent (RIV3), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	C4	Procedure
90674	Influenza virus vaccine, quadrivalent (cclIV4), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	C4	Procedure
90685	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.25 mL, for intramuscular use	C4	Procedure
90686	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.5 mL dosage, for intramuscular use	C4	Procedure
90687	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.25 mL dosage, for intramuscular use	C4	Procedure
90688	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.5 mL dosage, for intramuscular use	C4	Procedure
90682	Influenza virus vaccine, quadrivalent (RIV4), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	C4	Procedure

**Appendix F. List of Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Second Edition (CPT-2), and Current Procedural Terminology, Fourth Edition (CPT-4) codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
90756	Influenza virus vaccine, quadrivalent (cclIV4), derived from cell cultures, subunit, antibiotic free, 0.5mL dosage, for intramuscular use	C4	Procedure
Q2033	Influenza vaccine, recombinant hemagglutinin antigens, for intramuscular use (Flublok)	HC	Procedure
Q2034	Influenza virus vaccine, split virus, for intramuscular use (Agriflu)	HC	Procedure
Q2035	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (AFLURIA)	HC	Procedure
Q2036	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLULAVAL)	HC	Procedure
Q2037	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLUVIRIN)	HC	Procedure
Q2038	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (Fluzone)	HC	Procedure
G0008	Administration of influenza virus vaccine	HC	Procedure
G8482	Influenza immunization administered or previously received	HC	Procedure
G8636	Influenza immunization administered or previously received	HC	Procedure
G9141	Influenza A (H1N1) immunization administration (includes the physician counseling the patient/family)	HC	Procedure
G9142	Influenza A (H1N1) vaccine, any route of administration	HC	Procedure
Q0034	Administration of influenza vaccine to Medicare beneficiaries by participating demonstration sites	HC	Procedure
Q2039	Influenza virus vaccine, not otherwise specified	HC	Procedure
4037F	Influenza immunization ordered or administered (COPD, PV, CKD, ESRD)(IBD)	C2	Procedure
4274F	Influenza immunization administered or previously received (HIV) (P-ESRD)	C2	Procedure
<b>Oxygen therapy</b>			
94640	Pressurized or nonpressurized inhalation treatment for acute airway obstruction or for sputum induction for diagnostic purposes (eg, with an aerosol generator, nebulizer, metered dose inhaler or intermittent positive pressure breathing [IPPB] device)	C4	Procedure
94644	Continuous inhalation treatment with aerosol medication for acute airway obstruction; first hour	C4	Procedure
94645	Continuous inhalation treatment with aerosol medication for acute airway obstruction; each additional hour (List separately in addition to code for primary procedure)	C4	Procedure
<b>Pneumococcal vaccine</b>			
90669	Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use	C4	Procedure
90732	Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use	C4	Procedure
90670	Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use	C4	Procedure
G0009	Administration of pneumococcal vaccine	HC	Procedure
G8864	Pneumococcal vaccine administered or previously received	HC	Procedure
4040F	Pneumococcal vaccine administered or previously received (COPD) (PV), (IBD)	C2	Procedure
<b>Smoking</b>			
1034F	Current tobacco smoker (CAD, CAP, COPD, PV) (DM)	C2	Procedure
1035F	Current smokeless tobacco user (eg, chew, snuff) (PV)	C2	Procedure
4000F	Tobacco use cessation intervention, counseling (COPD, CAP, CAD, Asthma) (DM) (PV)	C2	Procedure



**Appendix F. List of Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Second Edition (CPT-2), and Current Procedural Terminology, Fourth Edition (CPT-4) codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
4001F	Tobacco use cessation intervention, pharmacologic therapy (COPD, CAD, CAP, PV, Asthma) (DM) (PV)	C2	Procedure
4004F	Patient screened for tobacco use and received tobacco cessation intervention (counseling, pharmacotherapy, or both), if identified as a tobacco user (PV, CAD)	C2	Procedure
83887	Nicotine	C4	Procedure
99406	Smoking and tobacco use cessation counseling visit; intermediate, greater than 3 minutes up to 10 minutes	C4	Procedure
99407	Smoking and tobacco use cessation counseling visit; intensive, greater than 10 minutes	C4	Procedure
C9801	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes	HC	Procedure
C9802	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes	HC	Procedure
D1320	tobacco counseling for the control and prevention of oral disease	HC	Procedure
G0375	Smoking and tobacco use cessation counseling visit; intermediate, greater than 3 minutes up to 10 minutes	HC	Procedure
G0376	Smoking and tobacco use cessation counseling visit; intensive, greater than 10 minutes	HC	Procedure
G0436	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes	HC	Procedure
G0437	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes	HC	Procedure
G8093	Newly diagnosed chronic obstructive pulmonary disease (COPD) patient documented to have received smoking cessation intervention, within 3 months of diagnosis	HC	Procedure
G8094	Newly diagnosed chronic obstructive pulmonary disease (COPD) patient not documented to have received smoking cessation intervention, within 3 months of diagnosis	HC	Procedure
G8402	Tobacco (smoke) use cessation intervention, counseling	HC	Procedure
G8403	Tobacco (smoke) use cessation intervention not counseled	HC	Procedure
G8453	Tobacco use cessation intervention, counseling	HC	Procedure
G8454	Tobacco use cessation intervention not counseled, reason not specified	HC	Procedure
G8455	Current tobacco smoker	HC	Procedure
G8456	Current smokeless tobacco user	HC	Procedure
G8688	Currently a smokeless tobacco user (e.g., chew, snuff) and no exposure to secondhand smoke	HC	Procedure

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
<b>Chronic Obstructive Pulmonary Disease (COPD) exacerbation codes</b>			
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	ICD-9-CM	Diagnosis
491.22	Obstructive chronic bronchitis with acute bronchitis	ICD-9-CM	Diagnosis
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	ICD-10-CM	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	ICD-10-CM	Diagnosis
<b>COPD diagnosis codes</b>			
491.20	Obstructive chronic bronchitis without exacerbation	ICD-9-CM	Diagnosis
491.0	Simple chronic bronchitis	ICD-9-CM	Diagnosis
491.1	Mucopurulent chronic bronchitis	ICD-9-CM	Diagnosis
491.8	Other chronic bronchitis	ICD-9-CM	Diagnosis
491.9	Unspecified chronic bronchitis	ICD-9-CM	Diagnosis
492.0	Emphysematous bleb	ICD-9-CM	Diagnosis
492.8	Other emphysema	ICD-9-CM	Diagnosis
496	Chronic airway obstruction, not elsewhere classified	ICD-9-CM	Diagnosis
J41	Simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.0	Simple chronic bronchitis	ICD-10-CM	Diagnosis
J41.1	Mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.8	Mixed simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J42	Unspecified chronic bronchitis	ICD-10-CM	Diagnosis
J43	Emphysema	ICD-10-CM	Diagnosis
J43.1	Panlobular emphysema	ICD-10-CM	Diagnosis
J43.2	Centrilobular emphysema	ICD-10-CM	Diagnosis
J43.8	Other emphysema	ICD-10-CM	Diagnosis
J43.9	Emphysema, unspecified	ICD-10-CM	Diagnosis
J44	Other chronic obstructive pulmonary disease	ICD-10-CM	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	ICD-10-CM	Diagnosis
<b>Anxiety</b>			
300	Anxiety, dissociative and somatoform disorders	ICD-9-CM	Diagnosis
300.0	Anxiety states	ICD-9-CM	Diagnosis
300.00	Anxiety state, unspecified	ICD-9-CM	Diagnosis
300.01	Panic disorder without agoraphobia	ICD-9-CM	Diagnosis
300.02	Generalized anxiety disorder	ICD-9-CM	Diagnosis
300.09	Other anxiety states	ICD-9-CM	Diagnosis
300.1	Dissociative, conversion and factitious disorders	ICD-9-CM	Diagnosis
300.10	Hysteria, unspecified	ICD-9-CM	Diagnosis
300.11	Conversion disorder	ICD-9-CM	Diagnosis
300.12	Dissociative amnesia	ICD-9-CM	Diagnosis
300.13	Dissociative fugue	ICD-9-CM	Diagnosis
300.14	Dissociative identity disorder	ICD-9-CM	Diagnosis
300.15	Dissociative disorder or reaction, unspecified	ICD-9-CM	Diagnosis
300.16	Factitious disorder with predominantly psychological signs and symptoms	ICD-9-CM	Diagnosis
300.19	Other and unspecified factitious illness	ICD-9-CM	Diagnosis
300.2	Phobic disorders	ICD-9-CM	Diagnosis
300.20	Phobia, unspecified	ICD-9-CM	Diagnosis
300.21	Agoraphobia with panic disorder	ICD-9-CM	Diagnosis
300.22	Agoraphobia without mention of panic attacks	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
300.23	Social phobia	ICD-9-CM	Diagnosis
300.29	Other isolated or specific phobias	ICD-9-CM	Diagnosis
300.3	Obsessive-compulsive disorders	ICD-9-CM	Diagnosis
300.4	Dysthymic disorder	ICD-9-CM	Diagnosis
300.5	Neurasthenia	ICD-9-CM	Diagnosis
300.6	Depersonalization disorder	ICD-9-CM	Diagnosis
300.7	Hypochondriasis	ICD-9-CM	Diagnosis
300.8	Somatoform disorders	ICD-9-CM	Diagnosis
300.81	Somatization disorder	ICD-9-CM	Diagnosis
300.82	Undifferentiated somatoform disorder	ICD-9-CM	Diagnosis
300.89	Other somatoform disorders	ICD-9-CM	Diagnosis
300.9	Unspecified nonpsychotic mental disorder	ICD-9-CM	Diagnosis
F34.1	Dysthymic disorder	ICD-10-CM	Diagnosis
F40.00	Agoraphobia, unspecified	ICD-10-CM	Diagnosis
F40.01	Agoraphobia with panic disorder	ICD-10-CM	Diagnosis
F40.02	Agoraphobia without panic disorder	ICD-10-CM	Diagnosis
F40.10	Social phobia, unspecified	ICD-10-CM	Diagnosis
F40.11	Social phobia, generalized	ICD-10-CM	Diagnosis
F40.210	Arachnophobia	ICD-10-CM	Diagnosis
F40.218	Other animal type phobia	ICD-10-CM	Diagnosis
F40.220	Fear of thunderstorms	ICD-10-CM	Diagnosis
F40.228	Other natural environment type phobia	ICD-10-CM	Diagnosis
F40.230	Fear of blood	ICD-10-CM	Diagnosis
F40.231	Fear of injections and transfusions	ICD-10-CM	Diagnosis
F40.232	Fear of other medical care	ICD-10-CM	Diagnosis
F40.233	Fear of injury	ICD-10-CM	Diagnosis
F40.240	Claustrophobia	ICD-10-CM	Diagnosis
F40.241	Acrophobia	ICD-10-CM	Diagnosis
F40.242	Fear of bridges	ICD-10-CM	Diagnosis
F40.243	Fear of flying	ICD-10-CM	Diagnosis
F40.248	Other situational type phobia	ICD-10-CM	Diagnosis
F40.290	Androphobia	ICD-10-CM	Diagnosis
F40.291	Gynephobia	ICD-10-CM	Diagnosis
F40.298	Other specified phobia	ICD-10-CM	Diagnosis
F40.8	Other phobic anxiety disorders	ICD-10-CM	Diagnosis
F40.9	Phobic anxiety disorder, unspecified	ICD-10-CM	Diagnosis
F41.0	Panic disorder [episodic paroxysmal anxiety]	ICD-10-CM	Diagnosis
F41.1	Generalized anxiety disorder	ICD-10-CM	Diagnosis
F41.3	Other mixed anxiety disorders	ICD-10-CM	Diagnosis
F41.8	Other specified anxiety disorders	ICD-10-CM	Diagnosis
F41.9	Anxiety disorder, unspecified	ICD-10-CM	Diagnosis
140.0	Malignant neoplasm of upper lip, vermilion border	ICD-9-CM	Diagnosis
140.1	Malignant neoplasm of lower lip, vermilion border	ICD-9-CM	Diagnosis
140.3	Malignant neoplasm of upper lip, inner aspect	ICD-9-CM	Diagnosis
140.4	Malignant neoplasm of lower lip, inner aspect	ICD-9-CM	Diagnosis
140.5	Malignant neoplasm of lip, inner aspect, unspecified as to upper or lower	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
140.6	Malignant neoplasm of commissure of lip	ICD-9-CM	Diagnosis
140.8	Malignant neoplasm of other sites of lip	ICD-9-CM	Diagnosis
140.9	Malignant neoplasm of lip, vermilion border, unspecified as to upper or lower	ICD-9-CM	Diagnosis
141	Malignant neoplasm of tongue	ICD-9-CM	Diagnosis
141.0	Malignant neoplasm of base of tongue	ICD-9-CM	Diagnosis
141.1	Malignant neoplasm of dorsal surface of tongue	ICD-9-CM	Diagnosis
141.2	Malignant neoplasm of tip and lateral border of tongue	ICD-9-CM	Diagnosis
141.3	Malignant neoplasm of ventral surface of tongue	ICD-9-CM	Diagnosis
141.4	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	ICD-9-CM	Diagnosis
141.5	Malignant neoplasm of junctional zone of tongue	ICD-9-CM	Diagnosis
141.6	Malignant neoplasm of lingual tonsil	ICD-9-CM	Diagnosis
141.8	Malignant neoplasm of other sites of tongue	ICD-9-CM	Diagnosis
141.9	Malignant neoplasm of tongue, unspecified site	ICD-9-CM	Diagnosis
142	Malignant neoplasm of major salivary glands	ICD-9-CM	Diagnosis
142.0	Malignant neoplasm of parotid gland	ICD-9-CM	Diagnosis
142.1	Malignant neoplasm of submandibular gland	ICD-9-CM	Diagnosis
142.2	Malignant neoplasm of sublingual gland	ICD-9-CM	Diagnosis
142.8	Malignant neoplasm of other major salivary glands	ICD-9-CM	Diagnosis
142.9	Malignant neoplasm of salivary gland, unspecified	ICD-9-CM	Diagnosis
143	Malignant neoplasm of gum	ICD-9-CM	Diagnosis
143.0	Malignant neoplasm of upper gum	ICD-9-CM	Diagnosis
143.1	Malignant neoplasm of lower gum	ICD-9-CM	Diagnosis
143.8	Malignant neoplasm of other sites of gum	ICD-9-CM	Diagnosis
143.9	Malignant neoplasm of gum, unspecified site	ICD-9-CM	Diagnosis
144	Malignant neoplasm of floor of mouth	ICD-9-CM	Diagnosis
144.0	Malignant neoplasm of anterior portion of floor of mouth	ICD-9-CM	Diagnosis
144.1	Malignant neoplasm of lateral portion of floor of mouth	ICD-9-CM	Diagnosis
144.8	Malignant neoplasm of other sites of floor of mouth	ICD-9-CM	Diagnosis
144.9	Malignant neoplasm of floor of mouth, part unspecified	ICD-9-CM	Diagnosis
145	Malignant neoplasm of other and unspecified parts of mouth	ICD-9-CM	Diagnosis
145.0	Malignant neoplasm of cheek mucosa	ICD-9-CM	Diagnosis
145.1	Malignant neoplasm of vestibule of mouth	ICD-9-CM	Diagnosis
145.2	Malignant neoplasm of hard palate	ICD-9-CM	Diagnosis
145.3	Malignant neoplasm of soft palate	ICD-9-CM	Diagnosis
145.4	Malignant neoplasm of uvula	ICD-9-CM	Diagnosis
145.5	Malignant neoplasm of palate, unspecified	ICD-9-CM	Diagnosis
145.6	Malignant neoplasm of retromolar area	ICD-9-CM	Diagnosis
145.8	Malignant neoplasm of other specified parts of mouth	ICD-9-CM	Diagnosis
145.9	Malignant neoplasm of mouth, unspecified site	ICD-9-CM	Diagnosis
146	Malignant neoplasm of oropharynx	ICD-9-CM	Diagnosis
146.0	Malignant neoplasm of tonsil	ICD-9-CM	Diagnosis
146.1	Malignant neoplasm of tonsillar fossa	ICD-9-CM	Diagnosis
146.2	Malignant neoplasm of tonsillar pillars (anterior) (posterior)	ICD-9-CM	Diagnosis
146.3	Malignant neoplasm of vallecula	ICD-9-CM	Diagnosis
146.4	Malignant neoplasm of anterior aspect of epiglottis	ICD-9-CM	Diagnosis
146.5	Malignant neoplasm of junctional region of oropharynx	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
146.6	Malignant neoplasm of lateral wall of oropharynx	ICD-9-CM	Diagnosis
146.7	Malignant neoplasm of posterior wall of oropharynx	ICD-9-CM	Diagnosis
146.8	Malignant neoplasm of other specified sites of oropharynx	ICD-9-CM	Diagnosis
146.9	Malignant neoplasm of oropharynx, unspecified site	ICD-9-CM	Diagnosis
147	Malignant neoplasm of nasopharynx	ICD-9-CM	Diagnosis
147.0	Malignant neoplasm of superior wall of nasopharynx	ICD-9-CM	Diagnosis
147.1	Malignant neoplasm of posterior wall of nasopharynx	ICD-9-CM	Diagnosis
147.2	Malignant neoplasm of lateral wall of nasopharynx	ICD-9-CM	Diagnosis
147.3	Malignant neoplasm of anterior wall of nasopharynx	ICD-9-CM	Diagnosis
147.8	Malignant neoplasm of other specified sites of nasopharynx	ICD-9-CM	Diagnosis
147.9	Malignant neoplasm of nasopharynx, unspecified site	ICD-9-CM	Diagnosis
148	Malignant neoplasm of hypopharynx	ICD-9-CM	Diagnosis
148.0	Malignant neoplasm of postcricoid region of hypopharynx	ICD-9-CM	Diagnosis
148.1	Malignant neoplasm of pyriform sinus	ICD-9-CM	Diagnosis
148.2	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	ICD-9-CM	Diagnosis
148.3	Malignant neoplasm of posterior hypopharyngeal wall	ICD-9-CM	Diagnosis
148.8	Malignant neoplasm of other specified sites of hypopharynx	ICD-9-CM	Diagnosis
148.9	Malignant neoplasm of hypopharynx, unspecified site	ICD-9-CM	Diagnosis
149	Malignant neoplasm of other and ill-defined sites within the lip, oral cavity, and pharynx	ICD-9-CM	Diagnosis
149.0	Malignant neoplasm of pharynx, unspecified	ICD-9-CM	Diagnosis
149.1	Malignant neoplasm of Waldeyer's ring	ICD-9-CM	Diagnosis
149.8	Malignant neoplasm of other sites within the lip and oral cavity	ICD-9-CM	Diagnosis
149.9	Malignant neoplasm of ill-defined sites of lip and oral cavity	ICD-9-CM	Diagnosis
150	Malignant neoplasm of esophagus	ICD-9-CM	Diagnosis
150.0	Malignant neoplasm of cervical esophagus	ICD-9-CM	Diagnosis
150.1	Malignant neoplasm of thoracic esophagus	ICD-9-CM	Diagnosis
150.2	Malignant neoplasm of abdominal esophagus	ICD-9-CM	Diagnosis
150.3	Malignant neoplasm of upper third of esophagus	ICD-9-CM	Diagnosis
150.4	Malignant neoplasm of middle third of esophagus	ICD-9-CM	Diagnosis
150.5	Malignant neoplasm of lower third of esophagus	ICD-9-CM	Diagnosis
150.8	Malignant neoplasm of other specified part of esophagus	ICD-9-CM	Diagnosis
150.9	Malignant neoplasm of esophagus, unspecified site	ICD-9-CM	Diagnosis
151	Malignant neoplasm of stomach	ICD-9-CM	Diagnosis
151.0	Malignant neoplasm of cardia	ICD-9-CM	Diagnosis
151.1	Malignant neoplasm of pylorus	ICD-9-CM	Diagnosis
151.2	Malignant neoplasm of pyloric antrum	ICD-9-CM	Diagnosis
151.3	Malignant neoplasm of fundus of stomach	ICD-9-CM	Diagnosis
151.4	Malignant neoplasm of body of stomach	ICD-9-CM	Diagnosis
151.5	Malignant neoplasm of lesser curvature of stomach, unspecified	ICD-9-CM	Diagnosis
151.6	Malignant neoplasm of greater curvature of stomach, unspecified	ICD-9-CM	Diagnosis
151.8	Malignant neoplasm of other specified sites of stomach	ICD-9-CM	Diagnosis
151.9	Malignant neoplasm of stomach, unspecified site	ICD-9-CM	Diagnosis
152	Malignant neoplasm of small intestine, including duodenum	ICD-9-CM	Diagnosis
152.0	Malignant neoplasm of duodenum	ICD-9-CM	Diagnosis
152.1	Malignant neoplasm of jejunum	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
152.2	Malignant neoplasm of ileum	ICD-9-CM	Diagnosis
152.3	Malignant neoplasm of Meckel's diverticulum	ICD-9-CM	Diagnosis
152.8	Malignant neoplasm of other specified sites of small intestine	ICD-9-CM	Diagnosis
152.9	Malignant neoplasm of small intestine, unspecified site	ICD-9-CM	Diagnosis
153	Malignant neoplasm of colon	ICD-9-CM	Diagnosis
153.0	Malignant neoplasm of hepatic flexure	ICD-9-CM	Diagnosis
153.1	Malignant neoplasm of transverse colon	ICD-9-CM	Diagnosis
153.2	Malignant neoplasm of descending colon	ICD-9-CM	Diagnosis
153.3	Malignant neoplasm of sigmoid colon	ICD-9-CM	Diagnosis
153.4	Malignant neoplasm of cecum	ICD-9-CM	Diagnosis
153.5	Malignant neoplasm of appendix	ICD-9-CM	Diagnosis
153.6	Malignant neoplasm of ascending colon	ICD-9-CM	Diagnosis
153.7	Malignant neoplasm of splenic flexure	ICD-9-CM	Diagnosis
153.8	Malignant neoplasm of other specified sites of large intestine	ICD-9-CM	Diagnosis
153.9	Malignant neoplasm of colon, unspecified site	ICD-9-CM	Diagnosis
154	Malignant neoplasm of rectum, rectosigmoid junction, and anus	ICD-9-CM	Diagnosis
154.0	Malignant neoplasm of rectosigmoid junction	ICD-9-CM	Diagnosis
154.1	Malignant neoplasm of rectum	ICD-9-CM	Diagnosis
154.2	Malignant neoplasm of anal canal	ICD-9-CM	Diagnosis
154.3	Malignant neoplasm of anus, unspecified site	ICD-9-CM	Diagnosis
154.8	Malignant neoplasm of other sites of rectum, rectosigmoid junction, and anus	ICD-9-CM	Diagnosis
155	Malignant neoplasm of liver and intrahepatic bile ducts	ICD-9-CM	Diagnosis
155.0	Malignant neoplasm of liver, primary	ICD-9-CM	Diagnosis
155.1	Malignant neoplasm of intrahepatic bile ducts	ICD-9-CM	Diagnosis
155.2	Malignant neoplasm of liver, not specified as primary or secondary	ICD-9-CM	Diagnosis
156	Malignant neoplasm of gallbladder and extrahepatic bile ducts	ICD-9-CM	Diagnosis
156.0	Malignant neoplasm of gallbladder	ICD-9-CM	Diagnosis
156.1	Malignant neoplasm of extrahepatic bile ducts	ICD-9-CM	Diagnosis
156.2	Malignant neoplasm of ampulla of Vater	ICD-9-CM	Diagnosis
156.8	Malignant neoplasm of other specified sites of gallbladder and extrahepatic bile ducts	ICD-9-CM	Diagnosis
156.9	Malignant neoplasm of biliary tract, part unspecified site	ICD-9-CM	Diagnosis
157	Malignant neoplasm of pancreas	ICD-9-CM	Diagnosis
157.0	Malignant neoplasm of head of pancreas	ICD-9-CM	Diagnosis
157.1	Malignant neoplasm of body of pancreas	ICD-9-CM	Diagnosis
157.2	Malignant neoplasm of tail of pancreas	ICD-9-CM	Diagnosis
157.3	Malignant neoplasm of pancreatic duct	ICD-9-CM	Diagnosis
157.4	Malignant neoplasm of islets of Langerhans	ICD-9-CM	Diagnosis
157.8	Malignant neoplasm of other specified sites of pancreas	ICD-9-CM	Diagnosis
157.9	Malignant neoplasm of pancreas, part unspecified	ICD-9-CM	Diagnosis
158	Malignant neoplasm of retroperitoneum and peritoneum	ICD-9-CM	Diagnosis
158.0	Malignant neoplasm of retroperitoneum	ICD-9-CM	Diagnosis
158.8	Malignant neoplasm of specified parts of peritoneum	ICD-9-CM	Diagnosis
158.9	Malignant neoplasm of peritoneum, unspecified	ICD-9-CM	Diagnosis
159	Malignant neoplasm of other and ill-defined sites within the digestive organs and	ICD-9-CM	Diagnosis
159.0	Malignant neoplasm of intestinal tract, part unspecified	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
159.1	Malignant neoplasm of spleen, not elsewhere classified	ICD-9-CM	Diagnosis
159.8	Malignant neoplasm of other sites of digestive system and intra-abdominal organs	ICD-9-CM	Diagnosis
159.9	Malignant neoplasm of ill-defined sites of digestive organs and peritoneum	ICD-9-CM	Diagnosis
160	Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses	ICD-9-CM	Diagnosis
160.0	Malignant neoplasm of nasal cavities	ICD-9-CM	Diagnosis
160.1	Malignant neoplasm of auditory tube, middle ear, and mastoid air cells	ICD-9-CM	Diagnosis
160.2	Malignant neoplasm of maxillary sinus	ICD-9-CM	Diagnosis
160.3	Malignant neoplasm of ethmoidal sinus	ICD-9-CM	Diagnosis
160.4	Malignant neoplasm of frontal sinus	ICD-9-CM	Diagnosis
160.5	Malignant neoplasm of sphenoidal sinus	ICD-9-CM	Diagnosis
160.8	Malignant neoplasm of other sites of nasal cavities, middle ear, and accessory sinuses	ICD-9-CM	Diagnosis
160.9	Malignant neoplasm of site of nasal cavities, middle ear, and accessory sinus,	ICD-9-CM	Diagnosis
161	Malignant neoplasm of larynx	ICD-9-CM	Diagnosis
161.0	Malignant neoplasm of glottis	ICD-9-CM	Diagnosis
161.1	Malignant neoplasm of supraglottis	ICD-9-CM	Diagnosis
161.2	Malignant neoplasm of subglottis	ICD-9-CM	Diagnosis
161.3	Malignant neoplasm of laryngeal cartilages	ICD-9-CM	Diagnosis
161.8	Malignant neoplasm of other specified sites of larynx	ICD-9-CM	Diagnosis
161.9	Malignant neoplasm of larynx, unspecified site	ICD-9-CM	Diagnosis
162	Malignant neoplasm of trachea, bronchus, and lung	ICD-9-CM	Diagnosis
162.0	Malignant neoplasm of trachea	ICD-9-CM	Diagnosis
162.2	Malignant neoplasm of main bronchus	ICD-9-CM	Diagnosis
162.3	Malignant neoplasm of upper lobe, bronchus, or lung	ICD-9-CM	Diagnosis
162.4	Malignant neoplasm of middle lobe, bronchus, or lung	ICD-9-CM	Diagnosis
162.5	Malignant neoplasm of lower lobe, bronchus, or lung	ICD-9-CM	Diagnosis
162.8	Malignant neoplasm of other parts of bronchus or lung	ICD-9-CM	Diagnosis
162.9	Malignant neoplasm of bronchus and lung, unspecified site	ICD-9-CM	Diagnosis
163	Malignant neoplasm of pleura	ICD-9-CM	Diagnosis
163.0	Malignant neoplasm of parietal pleura	ICD-9-CM	Diagnosis
163.1	Malignant neoplasm of visceral pleura	ICD-9-CM	Diagnosis
163.8	Malignant neoplasm of other specified sites of pleura	ICD-9-CM	Diagnosis
163.9	Malignant neoplasm of pleura, unspecified site	ICD-9-CM	Diagnosis
164	Malignant neoplasm of thymus, heart, and mediastinum	ICD-9-CM	Diagnosis
164.0	Malignant neoplasm of thymus	ICD-9-CM	Diagnosis
164.1	Malignant neoplasm of heart	ICD-9-CM	Diagnosis
164.2	Malignant neoplasm of anterior mediastinum	ICD-9-CM	Diagnosis
164.3	Malignant neoplasm of posterior mediastinum	ICD-9-CM	Diagnosis
164.8	Malignant neoplasm of other parts of mediastinum	ICD-9-CM	Diagnosis
164.9	Malignant neoplasm of mediastinum, part unspecified	ICD-9-CM	Diagnosis
165	Malignant neoplasm of other and ill-defined sites within the respiratory system and	ICD-9-CM	Diagnosis
165.0	Malignant neoplasm of upper respiratory tract, part unspecified	ICD-9-CM	Diagnosis
165.8	Malignant neoplasm of other sites within the respiratory system and intrathoracic	ICD-9-CM	Diagnosis
165.9	Malignant neoplasm of ill-defined sites within the respiratory system	ICD-9-CM	Diagnosis
170	Malignant neoplasm of bone and articular cartilage	ICD-9-CM	Diagnosis
170.0	Malignant neoplasm of bones of skull and face, except mandible	ICD-9-CM	Diagnosis
170.1	Malignant neoplasm of mandible	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
170.2	Malignant neoplasm of vertebral column, excluding sacrum and coccyx	ICD-9-CM	Diagnosis
170.3	Malignant neoplasm of ribs, sternum, and clavicle	ICD-9-CM	Diagnosis
170.4	Malignant neoplasm of scapula and long bones of upper limb	ICD-9-CM	Diagnosis
170.5	Malignant neoplasm of short bones of upper limb	ICD-9-CM	Diagnosis
170.6	Malignant neoplasm of pelvic bones, sacrum, and coccyx	ICD-9-CM	Diagnosis
170.7	Malignant neoplasm of long bones of lower limb	ICD-9-CM	Diagnosis
170.8	Malignant neoplasm of short bones of lower limb	ICD-9-CM	Diagnosis
170.9	Malignant neoplasm of bone and articular cartilage, site unspecified	ICD-9-CM	Diagnosis
171	Malignant neoplasm of connective and other soft tissue	ICD-9-CM	Diagnosis
171.0	Malignant neoplasm of connective and other soft tissue of head, face, and neck	ICD-9-CM	Diagnosis
171.2	Malignant neoplasm of connective and other soft tissue of upper limb, including shoulder	ICD-9-CM	Diagnosis
171.3	Malignant neoplasm of connective and other soft tissue of lower limb, including hip	ICD-9-CM	Diagnosis
171.4	Malignant neoplasm of connective and other soft tissue of thorax	ICD-9-CM	Diagnosis
171.5	Malignant neoplasm of connective and other soft tissue of abdomen	ICD-9-CM	Diagnosis
171.6	Malignant neoplasm of connective and other soft tissue of pelvis	ICD-9-CM	Diagnosis
171.7	Malignant neoplasm of connective and other soft tissue of trunk, unspecified site	ICD-9-CM	Diagnosis
171.8	Malignant neoplasm of other specified sites of connective and other soft tissue	ICD-9-CM	Diagnosis
171.9	Malignant neoplasm of connective and other soft tissue, site unspecified	ICD-9-CM	Diagnosis
172	Malignant melanoma of skin	ICD-9-CM	Diagnosis
172.0	Malignant melanoma of skin of lip	ICD-9-CM	Diagnosis
172.1	Malignant melanoma of skin of eyelid, including canthus	ICD-9-CM	Diagnosis
172.2	Malignant melanoma of skin of ear and external auditory canal	ICD-9-CM	Diagnosis
172.3	Malignant melanoma of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis
172.4	Malignant melanoma of skin of scalp and neck	ICD-9-CM	Diagnosis
172.5	Malignant melanoma of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
172.6	Malignant melanoma of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
172.7	Malignant melanoma of skin of lower limb, including hip	ICD-9-CM	Diagnosis
172.8	Malignant melanoma of other specified sites of skin	ICD-9-CM	Diagnosis
172.9	Melanoma of skin, site unspecified	ICD-9-CM	Diagnosis
173	Other and unspecified malignant neoplasm of skin	ICD-9-CM	Diagnosis
173.0	Other and unspecified malignant neoplasm of skin of lip	ICD-9-CM	Diagnosis
173.00	Unspecified malignant neoplasm of skin of lip	ICD-9-CM	Diagnosis
173.09	Other specified malignant neoplasm of skin of lip	ICD-9-CM	Diagnosis
173.1	Other and unspecified malignant neoplasm of eyelid, including canthus	ICD-9-CM	Diagnosis
173.10	Unspecified malignant neoplasm of eyelid, including canthus	ICD-9-CM	Diagnosis
173.19	Other specified malignant neoplasm of eyelid, including canthus	ICD-9-CM	Diagnosis
173.2	Other and unspecified malignant neoplasm of skin of ear and external auditory canal	ICD-9-CM	Diagnosis
173.20	Unspecified malignant neoplasm of skin of ear and external auditory canal	ICD-9-CM	Diagnosis
173.29	Other specified malignant neoplasm of skin of ear and external auditory canal	ICD-9-CM	Diagnosis
173.3	Other and unspecified malignant neoplasm of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis
173.30	Unspecified malignant neoplasm of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis
173.39	Other specified malignant neoplasm of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
173.4	Other and unspecified malignant neoplasm of scalp and skin of neck	ICD-9-CM	Diagnosis
173.40	Unspecified malignant neoplasm of scalp and skin of neck	ICD-9-CM	Diagnosis
173.49	Other specified malignant neoplasm of scalp and skin of neck	ICD-9-CM	Diagnosis
173.5	Other and unspecified malignant neoplasm of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
173.50	Unspecified malignant neoplasm of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
173.59	Other specified malignant neoplasm of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
173.6	Other and unspecified malignant neoplasm of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
173.60	Unspecified malignant neoplasm of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
173.69	Other specified malignant neoplasm of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
173.7	Other and unspecified malignant neoplasm of skin of lower limb, including hip	ICD-9-CM	Diagnosis
173.70	Unspecified malignant neoplasm of skin of lower limb, including hip	ICD-9-CM	Diagnosis
173.79	Other specified malignant neoplasm of skin of lower limb, including hip	ICD-9-CM	Diagnosis
173.8	Other and unspecified malignant neoplasm of other specified sites of skin	ICD-9-CM	Diagnosis
173.80	Unspecified malignant neoplasm of other specified sites of skin	ICD-9-CM	Diagnosis
173.89	Other specified malignant neoplasm of other specified sites of skin	ICD-9-CM	Diagnosis
173.9	Other and unspecified malignant neoplasm of skin, site unspecified	ICD-9-CM	Diagnosis
173.90	Unspecified malignant neoplasm of skin, site unspecified	ICD-9-CM	Diagnosis
173.99	Other specified malignant neoplasm of skin, site unspecified	ICD-9-CM	Diagnosis
174	Malignant neoplasm of female breast	ICD-9-CM	Diagnosis
174.0	Malignant neoplasm of nipple and areola of female breast	ICD-9-CM	Diagnosis
174.1	Malignant neoplasm of central portion of female breast	ICD-9-CM	Diagnosis
174.2	Malignant neoplasm of upper-inner quadrant of female breast	ICD-9-CM	Diagnosis
174.3	Malignant neoplasm of lower-inner quadrant of female breast	ICD-9-CM	Diagnosis
174.4	Malignant neoplasm of upper-outer quadrant of female breast	ICD-9-CM	Diagnosis
174.5	Malignant neoplasm of lower-outer quadrant of female breast	ICD-9-CM	Diagnosis
174.6	Malignant neoplasm of axillary tail of female breast	ICD-9-CM	Diagnosis
174.8	Malignant neoplasm of other specified sites of female breast	ICD-9-CM	Diagnosis
174.9	Malignant neoplasm of breast (female), unspecified site	ICD-9-CM	Diagnosis
175	Malignant neoplasm of male breast	ICD-9-CM	Diagnosis
175.0	Malignant neoplasm of nipple and areola of male breast	ICD-9-CM	Diagnosis
175.9	Malignant neoplasm of other and unspecified sites of male breast	ICD-9-CM	Diagnosis
176	Kaposi's sarcoma	ICD-9-CM	Diagnosis
176.0	Kaposi's sarcoma of skin	ICD-9-CM	Diagnosis
176.1	Kaposi's sarcoma of soft tissue	ICD-9-CM	Diagnosis
176.2	Kaposi's sarcoma of palate	ICD-9-CM	Diagnosis
176.3	Kaposi's sarcoma of gastrointestinal sites	ICD-9-CM	Diagnosis
176.4	Kaposi's sarcoma of lung	ICD-9-CM	Diagnosis
176.5	Kaposi's sarcoma of lymph nodes	ICD-9-CM	Diagnosis
176.8	Kaposi's sarcoma of other specified sites	ICD-9-CM	Diagnosis
176.9	Kaposi's sarcoma of unspecified site	ICD-9-CM	Diagnosis
179	Malignant neoplasm of uterus, part unspecified	ICD-9-CM	Diagnosis
180	Malignant neoplasm of cervix uteri	ICD-9-CM	Diagnosis
180.0	Malignant neoplasm of endocervix	ICD-9-CM	Diagnosis
180.1	Malignant neoplasm of exocervix	ICD-9-CM	Diagnosis
180.8	Malignant neoplasm of other specified sites of cervix	ICD-9-CM	Diagnosis
180.9	Malignant neoplasm of cervix uteri, unspecified site	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
181	Malignant neoplasm of placenta	ICD-9-CM	Diagnosis
182	Malignant neoplasm of body of uterus	ICD-9-CM	Diagnosis
182.0	Malignant neoplasm of corpus uteri, except isthmus	ICD-9-CM	Diagnosis
182.1	Malignant neoplasm of isthmus	ICD-9-CM	Diagnosis
182.8	Malignant neoplasm of other specified sites of body of uterus	ICD-9-CM	Diagnosis
183	Malignant neoplasm of ovary and other uterine adnexa	ICD-9-CM	Diagnosis
183.0	Malignant neoplasm of ovary	ICD-9-CM	Diagnosis
183.2	Malignant neoplasm of fallopian tube	ICD-9-CM	Diagnosis
183.3	Malignant neoplasm of broad ligament of uterus	ICD-9-CM	Diagnosis
183.4	Malignant neoplasm of parametrium of uterus	ICD-9-CM	Diagnosis
183.5	Malignant neoplasm of round ligament of uterus	ICD-9-CM	Diagnosis
183.8	Malignant neoplasm of other specified sites of uterine adnexa	ICD-9-CM	Diagnosis
183.9	Malignant neoplasm of uterine adnexa, unspecified site	ICD-9-CM	Diagnosis
184	Malignant neoplasm of other and unspecified female genital organs	ICD-9-CM	Diagnosis
184.0	Malignant neoplasm of vagina	ICD-9-CM	Diagnosis
184.1	Malignant neoplasm of labia majora	ICD-9-CM	Diagnosis
184.2	Malignant neoplasm of labia minora	ICD-9-CM	Diagnosis
184.3	Malignant neoplasm of clitoris	ICD-9-CM	Diagnosis
184.4	Malignant neoplasm of vulva, unspecified site	ICD-9-CM	Diagnosis
184.8	Malignant neoplasm of other specified sites of female genital organs	ICD-9-CM	Diagnosis
184.9	Malignant neoplasm of female genital organ, site unspecified	ICD-9-CM	Diagnosis
185	Malignant neoplasm of prostate	ICD-9-CM	Diagnosis
186	Malignant neoplasm of testis	ICD-9-CM	Diagnosis
186.0	Malignant neoplasm of undescended testis	ICD-9-CM	Diagnosis
186.9	Malignant neoplasm of other and unspecified testis	ICD-9-CM	Diagnosis
187	Malignant neoplasm of penis and other male genital organs	ICD-9-CM	Diagnosis
187.1	Malignant neoplasm of prepuce	ICD-9-CM	Diagnosis
187.2	Malignant neoplasm of glans penis	ICD-9-CM	Diagnosis
187.3	Malignant neoplasm of body of penis	ICD-9-CM	Diagnosis
187.4	Malignant neoplasm of penis, part unspecified	ICD-9-CM	Diagnosis
187.5	Malignant neoplasm of epididymis	ICD-9-CM	Diagnosis
187.6	Malignant neoplasm of spermatic cord	ICD-9-CM	Diagnosis
187.7	Malignant neoplasm of scrotum	ICD-9-CM	Diagnosis
187.8	Malignant neoplasm of other specified sites of male genital organs	ICD-9-CM	Diagnosis
187.9	Malignant neoplasm of male genital organ, site unspecified	ICD-9-CM	Diagnosis
188	Malignant neoplasm of bladder	ICD-9-CM	Diagnosis
188.0	Malignant neoplasm of trigone of urinary bladder	ICD-9-CM	Diagnosis
188.1	Malignant neoplasm of dome of urinary bladder	ICD-9-CM	Diagnosis
188.2	Malignant neoplasm of lateral wall of urinary bladder	ICD-9-CM	Diagnosis
188.3	Malignant neoplasm of anterior wall of urinary bladder	ICD-9-CM	Diagnosis
188.4	Malignant neoplasm of posterior wall of urinary bladder	ICD-9-CM	Diagnosis
188.5	Malignant neoplasm of bladder neck	ICD-9-CM	Diagnosis
188.6	Malignant neoplasm of ureteric orifice	ICD-9-CM	Diagnosis
188.7	Malignant neoplasm of urachus	ICD-9-CM	Diagnosis
188.8	Malignant neoplasm of other specified sites of bladder	ICD-9-CM	Diagnosis
188.9	Malignant neoplasm of bladder, part unspecified	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
189	Malignant neoplasm of kidney and other and unspecified urinary organs	ICD-9-CM	Diagnosis
189.0	Malignant neoplasm of kidney, except pelvis	ICD-9-CM	Diagnosis
189.1	Malignant neoplasm of renal pelvis	ICD-9-CM	Diagnosis
189.2	Malignant neoplasm of ureter	ICD-9-CM	Diagnosis
189.3	Malignant neoplasm of urethra	ICD-9-CM	Diagnosis
189.4	Malignant neoplasm of paraurethral glands	ICD-9-CM	Diagnosis
189.8	Malignant neoplasm of other specified sites of urinary organs	ICD-9-CM	Diagnosis
189.9	Malignant neoplasm of urinary organ, site unspecified	ICD-9-CM	Diagnosis
190	Malignant neoplasm of eye	ICD-9-CM	Diagnosis
190.0	Malignant neoplasm of eyeball, except conjunctiva, cornea, retina, and choroid	ICD-9-CM	Diagnosis
190.1	Malignant neoplasm of orbit	ICD-9-CM	Diagnosis
190.2	Malignant neoplasm of lacrimal gland	ICD-9-CM	Diagnosis
190.3	Malignant neoplasm of conjunctiva	ICD-9-CM	Diagnosis
190.4	Malignant neoplasm of cornea	ICD-9-CM	Diagnosis
190.5	Malignant neoplasm of retina	ICD-9-CM	Diagnosis
190.6	Malignant neoplasm of choroid	ICD-9-CM	Diagnosis
190.7	Malignant neoplasm of lacrimal duct	ICD-9-CM	Diagnosis
190.8	Malignant neoplasm of other specified sites of eye	ICD-9-CM	Diagnosis
190.9	Malignant neoplasm of eye, part unspecified	ICD-9-CM	Diagnosis
191	Malignant neoplasm of brain	ICD-9-CM	Diagnosis
191.0	Malignant neoplasm of cerebrum, except lobes and ventricles	ICD-9-CM	Diagnosis
191.1	Malignant neoplasm of frontal lobe of brain	ICD-9-CM	Diagnosis
191.2	Malignant neoplasm of temporal lobe of brain	ICD-9-CM	Diagnosis
191.3	Malignant neoplasm of parietal lobe of brain	ICD-9-CM	Diagnosis
191.4	Malignant neoplasm of occipital lobe of brain	ICD-9-CM	Diagnosis
191.5	Malignant neoplasm of ventricles of brain	ICD-9-CM	Diagnosis
191.6	Malignant neoplasm of cerebellum NOS	ICD-9-CM	Diagnosis
191.7	Malignant neoplasm of brain stem	ICD-9-CM	Diagnosis
191.8	Malignant neoplasm of other parts of brain	ICD-9-CM	Diagnosis
191.9	Malignant neoplasm of brain, unspecified site	ICD-9-CM	Diagnosis
192	Malignant neoplasm of other and unspecified parts of nervous system	ICD-9-CM	Diagnosis
192.0	Malignant neoplasm of cranial nerves	ICD-9-CM	Diagnosis
192.1	Malignant neoplasm of cerebral meninges	ICD-9-CM	Diagnosis
192.2	Malignant neoplasm of spinal cord	ICD-9-CM	Diagnosis
192.3	Malignant neoplasm of spinal meninges	ICD-9-CM	Diagnosis
192.8	Malignant neoplasm of other specified sites of nervous system	ICD-9-CM	Diagnosis
192.9	Malignant neoplasm of nervous system, part unspecified	ICD-9-CM	Diagnosis
193	Malignant neoplasm of thyroid gland	ICD-9-CM	Diagnosis
194	Malignant neoplasm of other endocrine glands and related structures	ICD-9-CM	Diagnosis
194.0	Malignant neoplasm of adrenal gland	ICD-9-CM	Diagnosis
194.1	Malignant neoplasm of parathyroid gland	ICD-9-CM	Diagnosis
194.3	Malignant neoplasm of pituitary gland and craniopharyngeal duct	ICD-9-CM	Diagnosis
194.4	Malignant neoplasm of pineal gland	ICD-9-CM	Diagnosis
194.5	Malignant neoplasm of carotid body	ICD-9-CM	Diagnosis
194.6	Malignant neoplasm of aortic body and other paraganglia	ICD-9-CM	Diagnosis
194.8	Malignant neoplasm of other endocrine glands and related structures	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
194.9	Malignant neoplasm of endocrine gland, site unspecified	ICD-9-CM	Diagnosis
195	Malignant neoplasm of other and ill-defined sites	ICD-9-CM	Diagnosis
195.0	Malignant neoplasm of head, face, and neck	ICD-9-CM	Diagnosis
195.1	Malignant neoplasm of thorax	ICD-9-CM	Diagnosis
195.2	Malignant neoplasm of abdomen	ICD-9-CM	Diagnosis
195.3	Malignant neoplasm of pelvis	ICD-9-CM	Diagnosis
195.4	Malignant neoplasm of upper limb	ICD-9-CM	Diagnosis
195.5	Malignant neoplasm of lower limb	ICD-9-CM	Diagnosis
195.8	Malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
196	Secondary and unspecified malignant neoplasm of lymph nodes	ICD-9-CM	Diagnosis
196.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
196.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
196.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
196.3	Secondary and unspecified malignant neoplasm of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
196.5	Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
196.6	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
196.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
196.9	Secondary and unspecified malignant neoplasm of lymph nodes, site unspecified	ICD-9-CM	Diagnosis
197	Secondary malignant neoplasm of respiratory and digestive systems	ICD-9-CM	Diagnosis
197.0	Secondary malignant neoplasm of lung	ICD-9-CM	Diagnosis
197.1	Secondary malignant neoplasm of mediastinum	ICD-9-CM	Diagnosis
197.2	Secondary malignant neoplasm of pleura	ICD-9-CM	Diagnosis
197.3	Secondary malignant neoplasm of other respiratory organs	ICD-9-CM	Diagnosis
197.4	Secondary malignant neoplasm of small intestine including duodenum	ICD-9-CM	Diagnosis
197.5	Secondary malignant neoplasm of large intestine and rectum	ICD-9-CM	Diagnosis
197.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	ICD-9-CM	Diagnosis
197.7	Secondary malignant neoplasm of liver	ICD-9-CM	Diagnosis
197.8	Secondary malignant neoplasm of other digestive organs and spleen	ICD-9-CM	Diagnosis
198	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
198.0	Secondary malignant neoplasm of kidney	ICD-9-CM	Diagnosis
198.1	Secondary malignant neoplasm of other urinary organs	ICD-9-CM	Diagnosis
198.2	Secondary malignant neoplasm of skin	ICD-9-CM	Diagnosis
198.3	Secondary malignant neoplasm of brain and spinal cord	ICD-9-CM	Diagnosis
198.4	Secondary malignant neoplasm of other parts of nervous system	ICD-9-CM	Diagnosis
198.5	Secondary malignant neoplasm of bone and bone marrow	ICD-9-CM	Diagnosis
198.6	Secondary malignant neoplasm of ovary	ICD-9-CM	Diagnosis
198.7	Secondary malignant neoplasm of adrenal gland	ICD-9-CM	Diagnosis
198.8	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
198.81	Secondary malignant neoplasm of breast	ICD-9-CM	Diagnosis
198.82	Secondary malignant neoplasm of genital organs	ICD-9-CM	Diagnosis
198.89	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
199	Malignant neoplasm without specification of site	ICD-9-CM	Diagnosis
199.0	Disseminated malignant neoplasm	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
199.1	Other malignant neoplasm of unspecified site	ICD-9-CM	Diagnosis
199.2	Malignant neoplasm associated with transplanted organ	ICD-9-CM	Diagnosis
200	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue	ICD-9-CM	Diagnosis
200.0	Reticulosarcoma	ICD-9-CM	Diagnosis
200.00	Reticulosarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.01	Reticulosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.02	Reticulosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.03	Reticulosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.04	Reticulosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.05	Reticulosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.06	Reticulosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.07	Reticulosarcoma of spleen	ICD-9-CM	Diagnosis
200.08	Reticulosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.1	Lymphosarcoma	ICD-9-CM	Diagnosis
200.10	Lymphosarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.11	Lymphosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.12	Lymphosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.13	Lymphosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.14	Lymphosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.15	Lymphosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.16	Lymphosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.17	Lymphosarcoma of spleen	ICD-9-CM	Diagnosis
200.18	Lymphosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.2	Burkitt's tumor or lymphoma	ICD-9-CM	Diagnosis
200.20	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.21	Burkitt's tumor or lymphoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.22	Burkitt's tumor or lymphoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.23	Burkitt's tumor or lymphoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.24	Burkitt's tumor or lymphoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.25	Burkitt's tumor or lymphoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.26	Burkitt's tumor or lymphoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.27	Burkitt's tumor or lymphoma of spleen	ICD-9-CM	Diagnosis
200.28	Burkitt's tumor or lymphoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.3	Marginal zone lymphoma	ICD-9-CM	Diagnosis
200.30	Marginal zone lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.31	Marginal zone lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.32	Marginal zone lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.33	Marginal zone lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.34	Marginal zone lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.35	Marginal zone lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.36	Marginal zone lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.37	Marginal zone lymphoma, spleen	ICD-9-CM	Diagnosis
200.38	Marginal zone lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.4	Mantle cell lymphoma	ICD-9-CM	Diagnosis
200.40	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
200.41	Mantle cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.42	Mantle cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.43	Mantle cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.44	Mantle cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.45	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.46	Mantle cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.47	Mantle cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.48	Mantle cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.5	Primary central nervous system lymphoma	ICD-9-CM	Diagnosis
200.50	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.51	Primary central nervous system lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.52	Primary central nervous system lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.53	Primary central nervous system lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.54	Primary central nervous system lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.55	Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.56	Primary central nervous system lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.57	Primary central nervous system lymphoma, spleen	ICD-9-CM	Diagnosis
200.58	Primary central nervous system lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.6	Anaplastic large cell lymphoma	ICD-9-CM	Diagnosis
200.60	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.61	Anaplastic large cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.62	Anaplastic large cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.63	Anaplastic large cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.64	Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.65	Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.66	Anaplastic large cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.67	Anaplastic large cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.68	Anaplastic large cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.7	Large cell lymphoma	ICD-9-CM	Diagnosis
200.70	Large cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.71	Large cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.72	Large cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.73	Large cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.74	Large cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.75	Large cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.76	Large cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.77	Large cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.78	Large cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.8	Other named variants of lymphosarcoma and reticulosarcoma	ICD-9-CM	Diagnosis
200.80	Other named variants, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.81	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.82	Other named variants of lymphosarcoma and reticulosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
200.83	Other named variants of lymphosarcoma and reticulosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.84	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.85	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.86	Other named variants of lymphosarcoma and reticulosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.87	Other named variants of lymphosarcoma and reticulosarcoma of spleen	ICD-9-CM	Diagnosis
200.88	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201	Hodgkin's disease	ICD-9-CM	Diagnosis
201.0	Hodgkin's paragranuloma	ICD-9-CM	Diagnosis
201.00	Hodgkin's paragranuloma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.01	Hodgkin's paragranuloma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.02	Hodgkin's paragranuloma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.03	Hodgkin's paragranuloma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.04	Hodgkin's paragranuloma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.05	Hodgkin's paragranuloma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.06	Hodgkin's paragranuloma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.07	Hodgkin's paragranuloma of spleen	ICD-9-CM	Diagnosis
201.08	Hodgkin's paragranuloma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.1	Hodgkin's granuloma	ICD-9-CM	Diagnosis
201.10	Hodgkin's granuloma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.11	Hodgkin's granuloma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.12	Hodgkin's granuloma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.13	Hodgkin's granuloma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.14	Hodgkin's granuloma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.15	Hodgkin's granuloma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.16	Hodgkin's granuloma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.17	Hodgkin's granuloma of spleen	ICD-9-CM	Diagnosis
201.18	Hodgkin's granuloma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.2	Hodgkin's sarcoma	ICD-9-CM	Diagnosis
201.20	Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.21	Hodgkin's sarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.22	Hodgkin's sarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.23	Hodgkin's sarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.24	Hodgkin's sarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.25	Hodgkin's sarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.26	Hodgkin's sarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.27	Hodgkin's sarcoma of spleen	ICD-9-CM	Diagnosis
201.28	Hodgkin's sarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.4	Hodgkin's disease, lymphocytic-histiocytic predominance	ICD-9-CM	Diagnosis
201.40	Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
201.41	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.42	Hodgkin's disease, lymphocytic-histiocytic predominance of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.43	Hodgkin's disease, lymphocytic-histiocytic predominance of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.44	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.45	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.46	Hodgkin's disease, lymphocytic-histiocytic predominance of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.47	Hodgkin's disease, lymphocytic-histiocytic predominance of spleen	ICD-9-CM	Diagnosis
201.48	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.5	Hodgkin's disease, nodular sclerosis	ICD-9-CM	Diagnosis
201.50	Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.51	Hodgkin's disease, nodular sclerosis, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.52	Hodgkin's disease, nodular sclerosis, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.53	Hodgkin's disease, nodular sclerosis, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.54	Hodgkin's disease, nodular sclerosis, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.55	Hodgkin's disease, nodular sclerosis, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.56	Hodgkin's disease, nodular sclerosis, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.57	Hodgkin's disease, nodular sclerosis, of spleen	ICD-9-CM	Diagnosis
201.58	Hodgkin's disease, nodular sclerosis, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.6	Hodgkin's disease, mixed cellularity	ICD-9-CM	Diagnosis
201.60	Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.61	Hodgkin's disease, mixed cellularity, involving lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.62	Hodgkin's disease, mixed cellularity, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.63	Hodgkin's disease, mixed cellularity, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.64	Hodgkin's disease, mixed cellularity, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.65	Hodgkin's disease, mixed cellularity, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.66	Hodgkin's disease, mixed cellularity, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.67	Hodgkin's disease, mixed cellularity, of spleen	ICD-9-CM	Diagnosis
201.68	Hodgkin's disease, mixed cellularity, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.7	Hodgkin's disease, lymphocytic depletion	ICD-9-CM	Diagnosis
201.70	Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.71	Hodgkin's disease, lymphocytic depletion, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.72	Hodgkin's disease, lymphocytic depletion, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.73	Hodgkin's disease, lymphocytic depletion, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.74	Hodgkin's disease, lymphocytic depletion, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.75	Hodgkin's disease, lymphocytic depletion, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
201.76	Hodgkin's disease, lymphocytic depletion, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.77	Hodgkin's disease, lymphocytic depletion, of spleen	ICD-9-CM	Diagnosis
201.78	Hodgkin's disease, lymphocytic depletion, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.9	Hodgkin's disease, unspecified type	ICD-9-CM	Diagnosis
201.90	Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.91	Hodgkin's disease, unspecified type, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.92	Hodgkin's disease, unspecified type, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.93	Hodgkin's disease, unspecified type, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.94	Hodgkin's disease, unspecified type, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.95	Hodgkin's disease, unspecified type, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.96	Hodgkin's disease, unspecified type, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.97	Hodgkin's disease, unspecified type, of spleen	ICD-9-CM	Diagnosis
201.98	Hodgkin's disease, unspecified type, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202	Other malignant neoplasms of lymphoid and histiocytic tissue	ICD-9-CM	Diagnosis
202.0	Nodular lymphoma	ICD-9-CM	Diagnosis
202.00	Nodular lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.01	Nodular lymphoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.02	Nodular lymphoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.03	Nodular lymphoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.04	Nodular lymphoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.05	Nodular lymphoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.06	Nodular lymphoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.07	Nodular lymphoma of spleen	ICD-9-CM	Diagnosis
202.08	Nodular lymphoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.1	Mycosis fungoides	ICD-9-CM	Diagnosis
202.10	Mycosis fungoides, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.11	Mycosis fungoides of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.12	Mycosis fungoides of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.13	Mycosis fungoides of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.14	Mycosis fungoides of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.15	Mycosis fungoides of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.16	Mycosis fungoides of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.17	Mycosis fungoides of spleen	ICD-9-CM	Diagnosis
202.18	Mycosis fungoides of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.2	Sezary's disease	ICD-9-CM	Diagnosis
202.20	Sezary's disease, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.21	Sezary's disease of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.22	Sezary's disease of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.23	Sezary's disease of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.24	Sezary's disease of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.25	Sezary's disease of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.26	Sezary's disease of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.27	Sezary's disease of spleen	ICD-9-CM	Diagnosis
202.28	Sezary's disease of lymph nodes of multiple sites	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
202.3	Malignant histiocytosis	ICD-9-CM	Diagnosis
202.30	Malignant histiocytosis, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.31	Malignant histiocytosis of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.32	Malignant histiocytosis of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.33	Malignant histiocytosis of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.34	Malignant histiocytosis of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.35	Malignant histiocytosis of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.36	Malignant histiocytosis of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.37	Malignant histiocytosis of spleen	ICD-9-CM	Diagnosis
202.38	Malignant histiocytosis of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.4	Leukemic reticuloendotheliosis	ICD-9-CM	Diagnosis
202.40	Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.41	Leukemic reticuloendotheliosis of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.42	Leukemic reticuloendotheliosis of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.43	Leukemic reticuloendotheliosis of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.44	Leukemic reticuloendotheliosis of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.45	Leukemic reticuloendotheliosis of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.46	Leukemic reticuloendotheliosis of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.47	Leukemic reticuloendotheliosis of spleen	ICD-9-CM	Diagnosis
202.48	Leukemic reticuloendotheliosis of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.5	Letterer-Siwe disease	ICD-9-CM	Diagnosis
202.50	Letterer-Siwe disease, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.51	Letterer-Siwe disease of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.52	Letterer-Siwe disease of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.53	Letterer-Siwe disease of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.54	Letterer-Siwe disease of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.55	Letterer-Siwe disease of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.56	Letterer-Siwe disease of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.57	Letterer-Siwe disease of spleen	ICD-9-CM	Diagnosis
202.58	Letterer-Siwe disease of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.6	Malignant mast cell tumors	ICD-9-CM	Diagnosis
202.60	Malignant mast cell tumors, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.61	Malignant mast cell tumors of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.62	Malignant mast cell tumors of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.63	Malignant mast cell tumors of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.64	Malignant mast cell tumors of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.65	Malignant mast cell tumors of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.66	Malignant mast cell tumors of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.67	Malignant mast cell tumors of spleen	ICD-9-CM	Diagnosis
202.68	Malignant mast cell tumors of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.7	Peripheral T-cell lymphoma	ICD-9-CM	Diagnosis
202.70	Peripheral T-cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.71	Peripheral T-cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.72	Peripheral T-cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.73	Peripheral T-cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.74	Peripheral T-cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
202.75	Peripheral T-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.76	Peripheral T-cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.77	Peripheral T-cell lymphoma, spleen	ICD-9-CM	Diagnosis
202.78	Peripheral T-cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.8	Other malignant lymphomas	ICD-9-CM	Diagnosis
202.80	Other malignant lymphomas, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.81	Other malignant lymphomas of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.82	Other malignant lymphomas of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.83	Other malignant lymphomas of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.84	Other malignant lymphomas of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.85	Other malignant lymphomas of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.86	Other malignant lymphomas of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.87	Other malignant lymphomas of spleen	ICD-9-CM	Diagnosis
202.88	Other malignant lymphomas of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.9	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue	ICD-9-CM	Diagnosis
202.90	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.91	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.92	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.93	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.94	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.95	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.96	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.97	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of spleen	ICD-9-CM	Diagnosis
202.98	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
203	Multiple myeloma and immunoproliferative neoplasms	ICD-9-CM	Diagnosis
203.0	Multiple myeloma	ICD-9-CM	Diagnosis
203.00	Multiple myeloma, without mention of having achieved remission	ICD-9-CM	Diagnosis
203.01	Multiple myeloma in remission	ICD-9-CM	Diagnosis
203.02	Multiple myeloma, in relapse	ICD-9-CM	Diagnosis
203.1	Plasma cell leukemia	ICD-9-CM	Diagnosis
203.10	Plasma cell leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
203.11	Plasma cell leukemia in remission	ICD-9-CM	Diagnosis
203.12	Plasma cell leukemia, in relapse	ICD-9-CM	Diagnosis
203.8	Other immunoproliferative neoplasms	ICD-9-CM	Diagnosis
203.80	Other immunoproliferative neoplasms, without mention of having achieved remission	ICD-9-CM	Diagnosis
203.81	Other immunoproliferative neoplasms in remission	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
203.82	Other immunoproliferative neoplasms, in relapse	ICD-9-CM	Diagnosis
204	Lymphoid leukemia	ICD-9-CM	Diagnosis
204.0	Acute lymphoid leukemia	ICD-9-CM	Diagnosis
204.00	Acute lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.01	Acute lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.02	Acute lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.1	Chronic lymphoid leukemia	ICD-9-CM	Diagnosis
204.10	Chronic lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.11	Chronic lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.12	Chronic lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.2	Subacute lymphoid leukemia	ICD-9-CM	Diagnosis
204.20	Subacute lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.21	Subacute lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.22	Subacute lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.8	Other lymphoid leukemia	ICD-9-CM	Diagnosis
204.80	Other lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.81	Other lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.82	Other lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.9	Unspecified lymphoid leukemia	ICD-9-CM	Diagnosis
204.90	Unspecified lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.91	Unspecified lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.92	Unspecified lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
205	Myeloid leukemia	ICD-9-CM	Diagnosis
205.0	Acute myeloid leukemia	ICD-9-CM	Diagnosis
205.00	Acute myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.01	Acute myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.02	Acute myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.1	Chronic myeloid leukemia	ICD-9-CM	Diagnosis
205.10	Chronic myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.11	Chronic myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.12	Chronic myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.2	Subacute myeloid leukemia	ICD-9-CM	Diagnosis
205.20	Subacute myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.21	Subacute myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.22	Subacute myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.3	Myeloid sarcoma	ICD-9-CM	Diagnosis
205.30	Myeloid sarcoma, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.31	Myeloid sarcoma in remission	ICD-9-CM	Diagnosis
205.32	Myeloid sarcoma, in relapse	ICD-9-CM	Diagnosis
205.8	Other myeloid leukemia	ICD-9-CM	Diagnosis
205.80	Other myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.81	Other myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.82	Other myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.9	Unspecified myeloid leukemia	ICD-9-CM	Diagnosis
205.90	Unspecified myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.91	Unspecified myeloid leukemia in remission	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
205.92	Unspecified myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
206	Monocytic leukemia	ICD-9-CM	Diagnosis
206.0	Acute monocytic leukemia	ICD-9-CM	Diagnosis
206.00	Acute monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.01	Acute monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.02	Acute monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.1	Chronic monocytic leukemia	ICD-9-CM	Diagnosis
206.10	Chronic monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.11	Chronic monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.12	Chronic monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.2	Subacute monocytic leukemia	ICD-9-CM	Diagnosis
206.20	Subacute monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.21	Subacute monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.22	Subacute monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.8	Other monocytic leukemia	ICD-9-CM	Diagnosis
206.80	Other monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.81	Other monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.82	Other monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.9	Unspecified monocytic leukemia	ICD-9-CM	Diagnosis
206.90	Unspecified monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.91	Unspecified monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.92	Unspecified monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
207	Other specified leukemia	ICD-9-CM	Diagnosis
207.0	Acute erythremia and erythroleukemia	ICD-9-CM	Diagnosis
207.00	Acute erythremia and erythroleukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.01	Acute erythremia and erythroleukemia in remission	ICD-9-CM	Diagnosis
207.02	Acute erythremia and erythroleukemia, in relapse	ICD-9-CM	Diagnosis
207.1	Chronic erythremia	ICD-9-CM	Diagnosis
207.10	Chronic erythremia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.11	Chronic erythremia in remission	ICD-9-CM	Diagnosis
207.12	Chronic erythremia, in relapse	ICD-9-CM	Diagnosis
207.2	Megakaryocytic leukemia	ICD-9-CM	Diagnosis
207.20	Megakaryocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.21	Megakaryocytic leukemia in remission	ICD-9-CM	Diagnosis
207.22	Megakaryocytic leukemia, in relapse	ICD-9-CM	Diagnosis
207.8	Other specified leukemia	ICD-9-CM	Diagnosis
207.80	Other specified leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.81	Other specified leukemia in remission	ICD-9-CM	Diagnosis
207.82	Other specified leukemia, in relapse	ICD-9-CM	Diagnosis
208	Leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.0	Acute leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.00	Acute leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.01	Acute leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.02	Acute leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
208.1	Chronic leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.10	Chronic leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.11	Chronic leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.12	Chronic leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.2	Subacute leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.20	Subacute leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.21	Subacute leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.22	Subacute leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.8	Other leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.80	Other leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.81	Other leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.82	Other leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.9	Unspecified leukemia	ICD-9-CM	Diagnosis
208.90	Unspecified leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.91	Unspecified leukemia in remission	ICD-9-CM	Diagnosis
208.92	Unspecified leukemia, in relapse	ICD-9-CM	Diagnosis
209	Neuroendocrine tumors	ICD-9-CM	Diagnosis
209.0	Malignant carcinoid tumors of the small intestine	ICD-9-CM	Diagnosis
209.00	Malignant carcinoid tumor of the small intestine, unspecified portion	ICD-9-CM	Diagnosis
209.01	Malignant carcinoid tumor of the duodenum	ICD-9-CM	Diagnosis
209.02	Malignant carcinoid tumor of the jejunum	ICD-9-CM	Diagnosis
209.03	Malignant carcinoid tumor of the ileum	ICD-9-CM	Diagnosis
209.1	Malignant carcinoid tumors of the appendix, large intestine, and rectum	ICD-9-CM	Diagnosis
209.10	Malignant carcinoid tumor of the large intestine, unspecified portion	ICD-9-CM	Diagnosis
209.11	Malignant carcinoid tumor of the appendix	ICD-9-CM	Diagnosis
209.12	Malignant carcinoid tumor of the cecum	ICD-9-CM	Diagnosis
209.13	Malignant carcinoid tumor of the ascending colon	ICD-9-CM	Diagnosis
209.14	Malignant carcinoid tumor of the transverse colon	ICD-9-CM	Diagnosis
209.15	Malignant carcinoid tumor of the descending colon	ICD-9-CM	Diagnosis
209.16	Malignant carcinoid tumor of the sigmoid colon	ICD-9-CM	Diagnosis
209.17	Malignant carcinoid tumor of the rectum	ICD-9-CM	Diagnosis
209.2	Malignant carcinoid tumors of other and unspecified sites	ICD-9-CM	Diagnosis
209.20	Malignant carcinoid tumor of unknown primary site	ICD-9-CM	Diagnosis
209.21	Malignant carcinoid tumor of the bronchus and lung	ICD-9-CM	Diagnosis
209.22	Malignant carcinoid tumor of the thymus	ICD-9-CM	Diagnosis
209.23	Malignant carcinoid tumor of the stomach	ICD-9-CM	Diagnosis
209.24	Malignant carcinoid tumor of the kidney	ICD-9-CM	Diagnosis
209.25	Malignant carcinoid tumor of foregut, not otherwise specified	ICD-9-CM	Diagnosis
209.26	Malignant carcinoid tumor of midgut, not otherwise specified	ICD-9-CM	Diagnosis
209.27	Malignant carcinoid tumor of hindgut, not otherwise specified	ICD-9-CM	Diagnosis
209.29	Malignant carcinoid tumor of other sites	ICD-9-CM	Diagnosis
209.3	Malignant poorly differentiated neuroendocrine tumors	ICD-9-CM	Diagnosis
209.30	Malignant poorly differentiated neuroendocrine carcinoma, any site	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
209.31	Merkel cell carcinoma of the face	ICD-9-CM	Diagnosis
209.32	Merkel cell carcinoma of the scalp and neck	ICD-9-CM	Diagnosis
209.33	Merkel cell carcinoma of the upper limb	ICD-9-CM	Diagnosis
209.34	Merkel cell carcinoma of the lower limb	ICD-9-CM	Diagnosis
209.35	Merkel cell carcinoma of the trunk	ICD-9-CM	Diagnosis
209.36	Merkel cell carcinoma of other sites	ICD-9-CM	Diagnosis
209.4	Benign carcinoid tumors of the small intestine	ICD-9-CM	Diagnosis
209.40	Benign carcinoid tumor of the small intestine, unspecified portion	ICD-9-CM	Diagnosis
209.41	Benign carcinoid tumor of the duodenum	ICD-9-CM	Diagnosis
209.42	Benign carcinoid tumor of the jejunum	ICD-9-CM	Diagnosis
209.43	Benign carcinoid tumor of the ileum	ICD-9-CM	Diagnosis
209.5	Benign carcinoid tumors of the appendix, large intestine, and rectum	ICD-9-CM	Diagnosis
209.50	Benign carcinoid tumor of the large intestine, unspecified portion	ICD-9-CM	Diagnosis
209.51	Benign carcinoid tumor of the appendix	ICD-9-CM	Diagnosis
209.52	Benign carcinoid tumor of the cecum	ICD-9-CM	Diagnosis
209.53	Benign carcinoid tumor of the ascending colon	ICD-9-CM	Diagnosis
209.54	Benign carcinoid tumor of the transverse colon	ICD-9-CM	Diagnosis
209.55	Benign carcinoid tumor of the descending colon	ICD-9-CM	Diagnosis
209.56	Benign carcinoid tumor of the sigmoid colon	ICD-9-CM	Diagnosis
209.57	Benign carcinoid tumor of the rectum	ICD-9-CM	Diagnosis
209.6	Benign carcinoid tumors of other and unspecified sites	ICD-9-CM	Diagnosis
209.60	Benign carcinoid tumor of unknown primary site	ICD-9-CM	Diagnosis
209.61	Benign carcinoid tumor of the bronchus and lung	ICD-9-CM	Diagnosis
209.62	Benign carcinoid tumor of the thymus	ICD-9-CM	Diagnosis
209.63	Benign carcinoid tumor of the stomach	ICD-9-CM	Diagnosis
209.64	Benign carcinoid tumor of the kidney	ICD-9-CM	Diagnosis
209.65	Benign carcinoid tumor of foregut, not otherwise specified	ICD-9-CM	Diagnosis
209.66	Benign carcinoid tumor of midgut, not otherwise specified	ICD-9-CM	Diagnosis
209.67	Benign carcinoid tumor of hindgut, not otherwise specified	ICD-9-CM	Diagnosis
209.69	Benign carcinoid tumor of other sites	ICD-9-CM	Diagnosis
209.7	Secondary neuroendocrine tumors	ICD-9-CM	Diagnosis
209.70	Secondary neuroendocrine tumor, unspecified site	ICD-9-CM	Diagnosis
209.71	Secondary neuroendocrine tumor of distant lymph nodes	ICD-9-CM	Diagnosis
209.72	Secondary neuroendocrine tumor of liver	ICD-9-CM	Diagnosis
209.73	Secondary neuroendocrine tumor of bone	ICD-9-CM	Diagnosis
209.74	Secondary neuroendocrine tumor of peritoneum	ICD-9-CM	Diagnosis
209.75	Secondary Merkel cell carcinoma	ICD-9-CM	Diagnosis
209.79	Secondary neuroendocrine tumor of other sites	ICD-9-CM	Diagnosis
210	Benign neoplasm of lip, oral cavity, and pharynx	ICD-9-CM	Diagnosis
210.0	Benign neoplasm of lip	ICD-9-CM	Diagnosis
210.1	Benign neoplasm of tongue	ICD-9-CM	Diagnosis
210.2	Benign neoplasm of major salivary glands	ICD-9-CM	Diagnosis
210.3	Benign neoplasm of floor of mouth	ICD-9-CM	Diagnosis
210.4	Benign neoplasm of other and unspecified parts of mouth	ICD-9-CM	Diagnosis
210.5	Benign neoplasm of tonsil	ICD-9-CM	Diagnosis
210.6	Benign neoplasm of other parts of oropharynx	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
210.7	Benign neoplasm of nasopharynx	ICD-9-CM	Diagnosis
210.8	Benign neoplasm of hypopharynx	ICD-9-CM	Diagnosis
210.9	Benign neoplasm of pharynx, unspecified	ICD-9-CM	Diagnosis
211	Benign neoplasm of other parts of digestive system	ICD-9-CM	Diagnosis
211.0	Benign neoplasm of esophagus	ICD-9-CM	Diagnosis
211.1	Benign neoplasm of stomach	ICD-9-CM	Diagnosis
211.2	Benign neoplasm of duodenum, jejunum, and ileum	ICD-9-CM	Diagnosis
211.3	Benign neoplasm of colon	ICD-9-CM	Diagnosis
211.4	Benign neoplasm of rectum and anal canal	ICD-9-CM	Diagnosis
211.5	Benign neoplasm of liver and biliary passages	ICD-9-CM	Diagnosis
211.6	Benign neoplasm of pancreas, except islets of Langerhans	ICD-9-CM	Diagnosis
211.7	Benign neoplasm of islets of Langerhans	ICD-9-CM	Diagnosis
211.8	Benign neoplasm of retroperitoneum and peritoneum	ICD-9-CM	Diagnosis
211.9	Benign neoplasm of other and unspecified site of the digestive system	ICD-9-CM	Diagnosis
212	Benign neoplasm of respiratory and intrathoracic organs	ICD-9-CM	Diagnosis
212.0	Benign neoplasm of nasal cavities, middle ear, and accessory sinuses	ICD-9-CM	Diagnosis
212.1	Benign neoplasm of larynx	ICD-9-CM	Diagnosis
212.2	Benign neoplasm of trachea	ICD-9-CM	Diagnosis
212.3	Benign neoplasm of bronchus and lung	ICD-9-CM	Diagnosis
212.4	Benign neoplasm of pleura	ICD-9-CM	Diagnosis
212.5	Benign neoplasm of mediastinum	ICD-9-CM	Diagnosis
212.6	Benign neoplasm of thymus	ICD-9-CM	Diagnosis
212.7	Benign neoplasm of heart	ICD-9-CM	Diagnosis
212.8	Benign neoplasm of other specified sites of respiratory and intrathoracic organs	ICD-9-CM	Diagnosis
212.9	Benign neoplasm of respiratory and intrathoracic organs, site unspecified	ICD-9-CM	Diagnosis
213	Benign neoplasm of bone and articular cartilage	ICD-9-CM	Diagnosis
213.0	Benign neoplasm of bones of skull and face	ICD-9-CM	Diagnosis
213.1	Benign neoplasm of lower jaw bone	ICD-9-CM	Diagnosis
213.2	Benign neoplasm of vertebral column, excluding sacrum and coccyx	ICD-9-CM	Diagnosis
213.3	Benign neoplasm of ribs, sternum, and clavicle	ICD-9-CM	Diagnosis
213.4	Benign neoplasm of scapula and long bones of upper limb	ICD-9-CM	Diagnosis
213.5	Benign neoplasm of short bones of upper limb	ICD-9-CM	Diagnosis
213.6	Benign neoplasm of pelvic bones, sacrum, and coccyx	ICD-9-CM	Diagnosis
213.7	Benign neoplasm of long bones of lower limb	ICD-9-CM	Diagnosis
213.8	Benign neoplasm of short bones of lower limb	ICD-9-CM	Diagnosis
213.9	Benign neoplasm of bone and articular cartilage, site unspecified	ICD-9-CM	Diagnosis
214	Lipoma	ICD-9-CM	Diagnosis
214.0	Lipoma of skin and subcutaneous tissue of face	ICD-9-CM	Diagnosis
214.1	Lipoma of other skin and subcutaneous tissue	ICD-9-CM	Diagnosis
214.2	Lipoma of intrathoracic organs	ICD-9-CM	Diagnosis
214.3	Lipoma of intra-abdominal organs	ICD-9-CM	Diagnosis
214.4	Lipoma of spermatic cord	ICD-9-CM	Diagnosis
214.8	Lipoma of other specified sites	ICD-9-CM	Diagnosis
214.9	Lipoma of unspecified site	ICD-9-CM	Diagnosis
215	Other benign neoplasm of connective and other soft tissue	ICD-9-CM	Diagnosis
215.0	Other benign neoplasm of connective and other soft tissue of head, face, and neck	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
215.2	Other benign neoplasm of connective and other soft tissue of upper limb, including shoulder	ICD-9-CM	Diagnosis
215.3	Other benign neoplasm of connective and other soft tissue of lower limb, including hip	ICD-9-CM	Diagnosis
215.4	Other benign neoplasm of connective and other soft tissue of thorax	ICD-9-CM	Diagnosis
215.5	Other benign neoplasm of connective and other soft tissue of abdomen	ICD-9-CM	Diagnosis
215.6	Other benign neoplasm of connective and other soft tissue of pelvis	ICD-9-CM	Diagnosis
215.7	Other benign neoplasm of connective and other soft tissue of trunk, unspecified	ICD-9-CM	Diagnosis
215.8	Other benign neoplasm of connective and other soft tissue of other specified sites	ICD-9-CM	Diagnosis
215.9	Other benign neoplasm of connective and other soft tissue of unspecified site	ICD-9-CM	Diagnosis
216	Benign neoplasm of skin	ICD-9-CM	Diagnosis
216.0	Benign neoplasm of skin of lip	ICD-9-CM	Diagnosis
216.1	Benign neoplasm of eyelid, including canthus	ICD-9-CM	Diagnosis
216.2	Benign neoplasm of ear and external auditory canal	ICD-9-CM	Diagnosis
216.3	Benign neoplasm of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis
216.4	Benign neoplasm of scalp and skin of neck	ICD-9-CM	Diagnosis
216.5	Benign neoplasm of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
216.6	Benign neoplasm of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
216.7	Benign neoplasm of skin of lower limb, including hip	ICD-9-CM	Diagnosis
216.8	Benign neoplasm of other specified sites of skin	ICD-9-CM	Diagnosis
216.9	Benign neoplasm of skin, site unspecified	ICD-9-CM	Diagnosis
217	Benign neoplasm of breast	ICD-9-CM	Diagnosis
218	Uterine leiomyoma	ICD-9-CM	Diagnosis
218.0	Submucous leiomyoma of uterus	ICD-9-CM	Diagnosis
218.1	Intramural leiomyoma of uterus	ICD-9-CM	Diagnosis
218.2	Subserous leiomyoma of uterus	ICD-9-CM	Diagnosis
218.9	Leiomyoma of uterus, unspecified	ICD-9-CM	Diagnosis
219	Other benign neoplasm of uterus	ICD-9-CM	Diagnosis
219.0	Benign neoplasm of cervix uteri	ICD-9-CM	Diagnosis
219.1	Benign neoplasm of corpus uteri	ICD-9-CM	Diagnosis
219.8	Benign neoplasm of other specified parts of uterus	ICD-9-CM	Diagnosis
219.9	Benign neoplasm of uterus, part unspecified	ICD-9-CM	Diagnosis
220	Benign neoplasm of ovary	ICD-9-CM	Diagnosis
221	Benign neoplasm of other female genital organs	ICD-9-CM	Diagnosis
221.0	Benign neoplasm of fallopian tube and uterine ligaments	ICD-9-CM	Diagnosis
221.1	Benign neoplasm of vagina	ICD-9-CM	Diagnosis
221.2	Benign neoplasm of vulva	ICD-9-CM	Diagnosis
221.8	Benign neoplasm of other specified sites of female genital organs	ICD-9-CM	Diagnosis
221.9	Benign neoplasm of female genital organ, site unspecified	ICD-9-CM	Diagnosis
222	Benign neoplasm of male genital organs	ICD-9-CM	Diagnosis
222.0	Benign neoplasm of testis	ICD-9-CM	Diagnosis
222.1	Benign neoplasm of penis	ICD-9-CM	Diagnosis
222.2	Benign neoplasm of prostate	ICD-9-CM	Diagnosis
222.3	Benign neoplasm of epididymis	ICD-9-CM	Diagnosis
222.4	Benign neoplasm of scrotum	ICD-9-CM	Diagnosis
222.8	Benign neoplasm of other specified sites of male genital organs	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
222.9	Benign neoplasm of male genital organ, site unspecified	ICD-9-CM	Diagnosis
223	Benign neoplasm of kidney and other urinary organs	ICD-9-CM	Diagnosis
223.0	Benign neoplasm of kidney, except pelvis	ICD-9-CM	Diagnosis
223.1	Benign neoplasm of renal pelvis	ICD-9-CM	Diagnosis
223.2	Benign neoplasm of ureter	ICD-9-CM	Diagnosis
223.3	Benign neoplasm of bladder	ICD-9-CM	Diagnosis
223.8	Benign neoplasm of other specified sites of urinary organs	ICD-9-CM	Diagnosis
223.81	Benign neoplasm of urethra	ICD-9-CM	Diagnosis
223.89	Benign neoplasm of other specified sites of urinary organs	ICD-9-CM	Diagnosis
223.9	Benign neoplasm of urinary organ, site unspecified	ICD-9-CM	Diagnosis
224	Benign neoplasm of eye	ICD-9-CM	Diagnosis
224.0	Benign neoplasm of eyeball, except conjunctiva, cornea, retina, and choroid	ICD-9-CM	Diagnosis
224.1	Benign neoplasm of orbit	ICD-9-CM	Diagnosis
224.2	Benign neoplasm of lacrimal gland	ICD-9-CM	Diagnosis
224.3	Benign neoplasm of conjunctiva	ICD-9-CM	Diagnosis
224.4	Benign neoplasm of cornea	ICD-9-CM	Diagnosis
224.5	Benign neoplasm of retina	ICD-9-CM	Diagnosis
224.6	Benign neoplasm of choroid	ICD-9-CM	Diagnosis
224.7	Benign neoplasm of lacrimal duct	ICD-9-CM	Diagnosis
224.8	Benign neoplasm of other specified parts of eye	ICD-9-CM	Diagnosis
224.9	Benign neoplasm of eye, part unspecified	ICD-9-CM	Diagnosis
225	Benign neoplasm of brain and other parts of nervous system	ICD-9-CM	Diagnosis
225.0	Benign neoplasm of brain	ICD-9-CM	Diagnosis
225.1	Benign neoplasm of cranial nerves	ICD-9-CM	Diagnosis
225.2	Benign neoplasm of cerebral meninges	ICD-9-CM	Diagnosis
225.3	Benign neoplasm of spinal cord	ICD-9-CM	Diagnosis
225.4	Benign neoplasm of spinal meninges	ICD-9-CM	Diagnosis
225.8	Benign neoplasm of other specified sites of nervous system	ICD-9-CM	Diagnosis
225.9	Benign neoplasm of nervous system, part unspecified	ICD-9-CM	Diagnosis
226	Benign neoplasm of thyroid glands	ICD-9-CM	Diagnosis
227	Benign neoplasm of other endocrine glands and related structures	ICD-9-CM	Diagnosis
227.0	Benign neoplasm of adrenal gland	ICD-9-CM	Diagnosis
227.1	Benign neoplasm of parathyroid gland	ICD-9-CM	Diagnosis
227.3	Benign neoplasm of pituitary gland and craniopharyngeal duct (pouch)	ICD-9-CM	Diagnosis
227.4	Benign neoplasm of pineal gland	ICD-9-CM	Diagnosis
227.5	Benign neoplasm of carotid body	ICD-9-CM	Diagnosis
227.6	Benign neoplasm of aortic body and other paraganglia	ICD-9-CM	Diagnosis
227.8	Benign neoplasm of other endocrine glands and related structures	ICD-9-CM	Diagnosis
227.9	Benign neoplasm of endocrine gland, site unspecified	ICD-9-CM	Diagnosis
228	Hemangioma and lymphangioma, any site	ICD-9-CM	Diagnosis
228.0	Hemangioma, any site	ICD-9-CM	Diagnosis
228.00	Hemangioma of unspecified site	ICD-9-CM	Diagnosis
228.01	Hemangioma of skin and subcutaneous tissue	ICD-9-CM	Diagnosis
228.02	Hemangioma of intracranial structures	ICD-9-CM	Diagnosis
228.03	Hemangioma of retina	ICD-9-CM	Diagnosis
228.04	Hemangioma of intra-abdominal structures	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
228.09	Hemangioma of other sites	ICD-9-CM	Diagnosis
228.1	Lymphangioma, any site	ICD-9-CM	Diagnosis
229	Benign neoplasm of other and unspecified sites	ICD-9-CM	Diagnosis
229.0	Benign neoplasm of lymph nodes	ICD-9-CM	Diagnosis
229.8	Benign neoplasm of other specified sites	ICD-9-CM	Diagnosis
229.9	Benign neoplasm of unspecified site	ICD-9-CM	Diagnosis
230	Carcinoma in situ of digestive organs	ICD-9-CM	Diagnosis
230.0	Carcinoma in situ of lip, oral cavity, and pharynx	ICD-9-CM	Diagnosis
230.1	Carcinoma in situ of esophagus	ICD-9-CM	Diagnosis
230.2	Carcinoma in situ of stomach	ICD-9-CM	Diagnosis
230.3	Carcinoma in situ of colon	ICD-9-CM	Diagnosis
230.4	Carcinoma in situ of rectum	ICD-9-CM	Diagnosis
230.5	Carcinoma in situ of anal canal	ICD-9-CM	Diagnosis
230.6	Carcinoma in situ of anus, unspecified	ICD-9-CM	Diagnosis
230.7	Carcinoma in situ of other and unspecified parts of intestine	ICD-9-CM	Diagnosis
230.8	Carcinoma in situ of liver and biliary system	ICD-9-CM	Diagnosis
230.9	Carcinoma in situ of other and unspecified digestive organs	ICD-9-CM	Diagnosis
231	Carcinoma in situ of respiratory system	ICD-9-CM	Diagnosis
231.0	Carcinoma in situ of larynx	ICD-9-CM	Diagnosis
231.1	Carcinoma in situ of trachea	ICD-9-CM	Diagnosis
231.2	Carcinoma in situ of bronchus and lung	ICD-9-CM	Diagnosis
231.8	Carcinoma in situ of other specified parts of respiratory system	ICD-9-CM	Diagnosis
231.9	Carcinoma in situ of respiratory system, part unspecified	ICD-9-CM	Diagnosis
232	Carcinoma in situ of skin	ICD-9-CM	Diagnosis
232.0	Carcinoma in situ of skin of lip	ICD-9-CM	Diagnosis
232.1	Carcinoma in situ of eyelid, including canthus	ICD-9-CM	Diagnosis
232.2	Carcinoma in situ of skin of ear and external auditory canal	ICD-9-CM	Diagnosis
232.3	Carcinoma in situ of skin of other and unspecified parts of face	ICD-9-CM	Diagnosis
232.4	Carcinoma in situ of scalp and skin of neck	ICD-9-CM	Diagnosis
232.5	Carcinoma in situ of skin of trunk, except scrotum	ICD-9-CM	Diagnosis
232.6	Carcinoma in situ of skin of upper limb, including shoulder	ICD-9-CM	Diagnosis
232.7	Carcinoma in situ of skin of lower limb, including hip	ICD-9-CM	Diagnosis
232.8	Carcinoma in situ of other specified sites of skin	ICD-9-CM	Diagnosis
232.9	Carcinoma in situ of skin, site unspecified	ICD-9-CM	Diagnosis
233	Carcinoma in situ of breast and genitourinary system	ICD-9-CM	Diagnosis
233.0	Carcinoma in situ of breast	ICD-9-CM	Diagnosis
233.1	Carcinoma in situ of cervix uteri	ICD-9-CM	Diagnosis
233.2	Carcinoma in situ of other and unspecified parts of uterus	ICD-9-CM	Diagnosis
233.3	Carcinoma in situ, other and unspecified female genital organs	ICD-9-CM	Diagnosis
233.30	Carcinoma in situ, unspecified female genital organ	ICD-9-CM	Diagnosis
233.31	Carcinoma in situ, vagina	ICD-9-CM	Diagnosis
233.32	Carcinoma in situ, vulva	ICD-9-CM	Diagnosis
233.39	Carcinoma in situ, other female genital organ	ICD-9-CM	Diagnosis
233.4	Carcinoma in situ of prostate	ICD-9-CM	Diagnosis
233.5	Carcinoma in situ of penis	ICD-9-CM	Diagnosis
233.6	Carcinoma in situ of other and unspecified male genital organs	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
233.7	Carcinoma in situ of bladder	ICD-9-CM	Diagnosis
233.9	Carcinoma in situ of other and unspecified urinary organs	ICD-9-CM	Diagnosis
234	Carcinoma in situ of other and unspecified sites	ICD-9-CM	Diagnosis
234.0	Carcinoma in situ of eye	ICD-9-CM	Diagnosis
234.8	Carcinoma in situ of other specified sites	ICD-9-CM	Diagnosis
234.9	Carcinoma in situ, site unspecified	ICD-9-CM	Diagnosis
235	Neoplasm of uncertain behavior of digestive and respiratory systems	ICD-9-CM	Diagnosis
235.0	Neoplasm of uncertain behavior of major salivary glands	ICD-9-CM	Diagnosis
235.1	Neoplasm of uncertain behavior of lip, oral cavity, and pharynx	ICD-9-CM	Diagnosis
235.2	Neoplasm of uncertain behavior of stomach, intestines, and rectum	ICD-9-CM	Diagnosis
235.3	Neoplasm of uncertain behavior of liver and biliary passages	ICD-9-CM	Diagnosis
235.4	Neoplasm of uncertain behavior of retroperitoneum and peritoneum	ICD-9-CM	Diagnosis
235.5	Neoplasm of uncertain behavior of other and unspecified digestive organs	ICD-9-CM	Diagnosis
235.6	Neoplasm of uncertain behavior of larynx	ICD-9-CM	Diagnosis
235.7	Neoplasm of uncertain behavior of trachea, bronchus, and lung	ICD-9-CM	Diagnosis
235.8	Neoplasm of uncertain behavior of pleura, thymus, and mediastinum	ICD-9-CM	Diagnosis
235.9	Neoplasm of uncertain behavior of other and unspecified respiratory organs	ICD-9-CM	Diagnosis
236	Neoplasm of uncertain behavior of genitourinary organs	ICD-9-CM	Diagnosis
236.0	Neoplasm of uncertain behavior of uterus	ICD-9-CM	Diagnosis
236.1	Neoplasm of uncertain behavior of placenta	ICD-9-CM	Diagnosis
236.2	Neoplasm of uncertain behavior of ovary	ICD-9-CM	Diagnosis
236.3	Neoplasm of uncertain behavior of other and unspecified female genital organs	ICD-9-CM	Diagnosis
236.4	Neoplasm of uncertain behavior of testis	ICD-9-CM	Diagnosis
236.5	Neoplasm of uncertain behavior of prostate	ICD-9-CM	Diagnosis
236.6	Neoplasm of uncertain behavior of other and unspecified male genital organs	ICD-9-CM	Diagnosis
236.7	Neoplasm of uncertain behavior of bladder	ICD-9-CM	Diagnosis
236.9	Neoplasm of uncertain behavior of other and unspecified urinary organs	ICD-9-CM	Diagnosis
236.90	Neoplasm of uncertain behavior of urinary organ, unspecified	ICD-9-CM	Diagnosis
236.91	Neoplasm of uncertain behavior of kidney and ureter	ICD-9-CM	Diagnosis
236.99	Neoplasm of uncertain behavior of other and unspecified urinary organs	ICD-9-CM	Diagnosis
237	Neoplasm of uncertain behavior of endocrine glands and nervous system	ICD-9-CM	Diagnosis
237.0	Neoplasm of uncertain behavior of pituitary gland and craniopharyngeal duct	ICD-9-CM	Diagnosis
237.1	Neoplasm of uncertain behavior of pineal gland	ICD-9-CM	Diagnosis
237.2	Neoplasm of uncertain behavior of adrenal gland	ICD-9-CM	Diagnosis
237.3	Neoplasm of uncertain behavior of paraganglia	ICD-9-CM	Diagnosis
237.4	Neoplasm of uncertain behavior of other and unspecified endocrine glands	ICD-9-CM	Diagnosis
237.5	Neoplasm of uncertain behavior of brain and spinal cord	ICD-9-CM	Diagnosis
237.6	Neoplasm of uncertain behavior of meninges	ICD-9-CM	Diagnosis
237.7	Neurofibromatosis	ICD-9-CM	Diagnosis
237.70	Neurofibromatosis, unspecified	ICD-9-CM	Diagnosis
237.71	Neurofibromatosis, Type 1 (von Recklinghausen's disease)	ICD-9-CM	Diagnosis
237.72	Neurofibromatosis, Type 2 (acoustic neurofibromatosis)	ICD-9-CM	Diagnosis
237.73	Schwannomatosis	ICD-9-CM	Diagnosis
237.79	Other neurofibromatosis	ICD-9-CM	Diagnosis
237.9	Neoplasm of uncertain behavior of other and unspecified parts of nervous system	ICD-9-CM	Diagnosis
238	Neoplasm of uncertain behavior of other and unspecified sites and tissues	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
238.0	Neoplasm of uncertain behavior of bone and articular cartilage	ICD-9-CM	Diagnosis
238.1	Neoplasm of uncertain behavior of connective and other soft tissue	ICD-9-CM	Diagnosis
238.2	Neoplasm of uncertain behavior of skin	ICD-9-CM	Diagnosis
238.3	Neoplasm of uncertain behavior of breast	ICD-9-CM	Diagnosis
238.4	Neoplasm of uncertain behavior of polycythemia vera	ICD-9-CM	Diagnosis
238.5	Neoplasm of uncertain behavior of histiocytic and mast cells	ICD-9-CM	Diagnosis
238.6	Neoplasm of uncertain behavior of plasma cells	ICD-9-CM	Diagnosis
238.7	Other lymphatic and hematopoietic tissues	ICD-9-CM	Diagnosis
238.71	Essential thrombocythemia	ICD-9-CM	Diagnosis
238.72	Low grade myelodysplastic syndrome lesions	ICD-9-CM	Diagnosis
238.73	High grade myelodysplastic syndrome lesions	ICD-9-CM	Diagnosis
238.74	Myelodysplastic syndrome with 5q deletion	ICD-9-CM	Diagnosis
238.75	Myelodysplastic syndrome, unspecified	ICD-9-CM	Diagnosis
238.76	Myelofibrosis with myeloid metaplasia	ICD-9-CM	Diagnosis
238.77	Post-transplant lymphoproliferative disorder [PTLD]	ICD-9-CM	Diagnosis
238.79	Other lymphatic and hematopoietic tissues	ICD-9-CM	Diagnosis
238.8	Neoplasm of uncertain behavior of other specified sites	ICD-9-CM	Diagnosis
238.9	Neoplasm of uncertain behavior, site unspecified	ICD-9-CM	Diagnosis
239	Neoplasms of unspecified nature	ICD-9-CM	Diagnosis
239.0	Neoplasm of unspecified nature of digestive system	ICD-9-CM	Diagnosis
239.1	Neoplasm of unspecified nature of respiratory system	ICD-9-CM	Diagnosis
239.2	Neoplasms of unspecified nature of bone, soft tissue, and skin	ICD-9-CM	Diagnosis
239.3	Neoplasm of unspecified nature of breast	ICD-9-CM	Diagnosis
239.4	Neoplasm of unspecified nature of bladder	ICD-9-CM	Diagnosis
239.5	Neoplasm of unspecified nature of other genitourinary organs	ICD-9-CM	Diagnosis
239.6	Neoplasm of unspecified nature of brain	ICD-9-CM	Diagnosis
239.7	Neoplasm of unspecified nature of endocrine glands and other parts of nervous system	ICD-9-CM	Diagnosis
239.8	Neoplasm of unspecified nature of other specified sites	ICD-9-CM	Diagnosis
239.81	Neoplasms of unspecified nature, retina and choroid	ICD-9-CM	Diagnosis
239.89	Neoplasms of unspecified nature, other specified sites	ICD-9-CM	Diagnosis
239.9	Neoplasm of unspecified nature, site unspecified	ICD-9-CM	Diagnosis
377.51	Disorders of optic chiasm associated with pituitary neoplasms and disorders	ICD-9-CM	Diagnosis
377.52	Disorders of optic chiasm associated with other neoplasms	ICD-9-CM	Diagnosis
377.61	Disorders of other visual pathways associated with neoplasms	ICD-9-CM	Diagnosis
377.71	Disorders of visual cortex associated with neoplasms	ICD-9-CM	Diagnosis
V10.7	Personal history of other lymphatic and hematopoietic neoplasms	ICD-9-CM	Diagnosis
C00.0	Malignant neoplasm of external upper lip	ICD-10-CM	Diagnosis
C00.1	Malignant neoplasm of external lower lip	ICD-10-CM	Diagnosis
C00.2	Malignant neoplasm of external lip, unspecified	ICD-10-CM	Diagnosis
C00.3	Malignant neoplasm of upper lip, inner aspect	ICD-10-CM	Diagnosis
C00.4	Malignant neoplasm of lower lip, inner aspect	ICD-10-CM	Diagnosis
C00.5	Malignant neoplasm of lip, unspecified, inner aspect	ICD-10-CM	Diagnosis
C00.6	Malignant neoplasm of commissure of lip, unspecified	ICD-10-CM	Diagnosis
C00.8	Malignant neoplasm of overlapping sites of lip	ICD-10-CM	Diagnosis
C00.9	Malignant neoplasm of lip, unspecified	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C01	Malignant neoplasm of base of tongue	ICD-10-CM	Diagnosis
C02.0	Malignant neoplasm of dorsal surface of tongue	ICD-10-CM	Diagnosis
C02.1	Malignant neoplasm of border of tongue	ICD-10-CM	Diagnosis
C02.2	Malignant neoplasm of ventral surface of tongue	ICD-10-CM	Diagnosis
C02.3	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	ICD-10-CM	Diagnosis
C02.4	Malignant neoplasm of lingual tonsil	ICD-10-CM	Diagnosis
C02.8	Malignant neoplasm of overlapping sites of tongue	ICD-10-CM	Diagnosis
C02.9	Malignant neoplasm of tongue, unspecified	ICD-10-CM	Diagnosis
C03.0	Malignant neoplasm of upper gum	ICD-10-CM	Diagnosis
C03.1	Malignant neoplasm of lower gum	ICD-10-CM	Diagnosis
C03.9	Malignant neoplasm of gum, unspecified	ICD-10-CM	Diagnosis
C04.0	Malignant neoplasm of anterior floor of mouth	ICD-10-CM	Diagnosis
C04.1	Malignant neoplasm of lateral floor of mouth	ICD-10-CM	Diagnosis
C04.8	Malignant neoplasm of overlapping sites of floor of mouth	ICD-10-CM	Diagnosis
C04.9	Malignant neoplasm of floor of mouth, unspecified	ICD-10-CM	Diagnosis
C05.0	Malignant neoplasm of hard palate	ICD-10-CM	Diagnosis
C05.1	Malignant neoplasm of soft palate	ICD-10-CM	Diagnosis
C05.2	Malignant neoplasm of uvula	ICD-10-CM	Diagnosis
C05.8	Malignant neoplasm of overlapping sites of palate	ICD-10-CM	Diagnosis
C05.9	Malignant neoplasm of palate, unspecified	ICD-10-CM	Diagnosis
C06.0	Malignant neoplasm of cheek mucosa	ICD-10-CM	Diagnosis
C06.1	Malignant neoplasm of vestibule of mouth	ICD-10-CM	Diagnosis
C06.2	Malignant neoplasm of retromolar area	ICD-10-CM	Diagnosis
C06.80	Malignant neoplasm of overlapping sites of unspecified parts of mouth	ICD-10-CM	Diagnosis
C06.89	Malignant neoplasm of overlapping sites of other parts of mouth	ICD-10-CM	Diagnosis
C06.9	Malignant neoplasm of mouth, unspecified	ICD-10-CM	Diagnosis
C07	Malignant neoplasm of parotid gland	ICD-10-CM	Diagnosis
C08.0	Malignant neoplasm of submandibular gland	ICD-10-CM	Diagnosis
C08.1	Malignant neoplasm of sublingual gland	ICD-10-CM	Diagnosis
C08.9	Malignant neoplasm of major salivary gland, unspecified	ICD-10-CM	Diagnosis
C09.0	Malignant neoplasm of tonsillar fossa	ICD-10-CM	Diagnosis
C09.1	Malignant neoplasm of tonsillar pillar (anterior) (posterior)	ICD-10-CM	Diagnosis
C09.8	Malignant neoplasm of overlapping sites of tonsil	ICD-10-CM	Diagnosis
C09.9	Malignant neoplasm of tonsil, unspecified	ICD-10-CM	Diagnosis
C10.0	Malignant neoplasm of vallecula	ICD-10-CM	Diagnosis
C10.1	Malignant neoplasm of anterior surface of epiglottis	ICD-10-CM	Diagnosis
C10.2	Malignant neoplasm of lateral wall of oropharynx	ICD-10-CM	Diagnosis
C10.3	Malignant neoplasm of posterior wall of oropharynx	ICD-10-CM	Diagnosis
C10.4	Malignant neoplasm of branchial cleft	ICD-10-CM	Diagnosis
C10.8	Malignant neoplasm of overlapping sites of oropharynx	ICD-10-CM	Diagnosis
C10.9	Malignant neoplasm of oropharynx, unspecified	ICD-10-CM	Diagnosis
C11.0	Malignant neoplasm of superior wall of nasopharynx	ICD-10-CM	Diagnosis
C11.1	Malignant neoplasm of posterior wall of nasopharynx	ICD-10-CM	Diagnosis
C11.2	Malignant neoplasm of lateral wall of nasopharynx	ICD-10-CM	Diagnosis
C11.3	Malignant neoplasm of anterior wall of nasopharynx	ICD-10-CM	Diagnosis
C11.8	Malignant neoplasm of overlapping sites of nasopharynx	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C11.9	Malignant neoplasm of nasopharynx, unspecified	ICD-10-CM	Diagnosis
C12	Malignant neoplasm of pyriform sinus	ICD-10-CM	Diagnosis
C13.0	Malignant neoplasm of postcricoid region	ICD-10-CM	Diagnosis
C13.1	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	ICD-10-CM	Diagnosis
C13.2	Malignant neoplasm of posterior wall of hypopharynx	ICD-10-CM	Diagnosis
C13.8	Malignant neoplasm of overlapping sites of hypopharynx	ICD-10-CM	Diagnosis
C13.9	Malignant neoplasm of hypopharynx, unspecified	ICD-10-CM	Diagnosis
C14.0	Malignant neoplasm of pharynx, unspecified	ICD-10-CM	Diagnosis
C14.2	Malignant neoplasm of Waldeyer's ring	ICD-10-CM	Diagnosis
C14.8	Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx	ICD-10-CM	Diagnosis
C15.3	Malignant neoplasm of upper third of esophagus	ICD-10-CM	Diagnosis
C15.4	Malignant neoplasm of middle third of esophagus	ICD-10-CM	Diagnosis
C15.5	Malignant neoplasm of lower third of esophagus	ICD-10-CM	Diagnosis
C15.8	Malignant neoplasm of overlapping sites of esophagus	ICD-10-CM	Diagnosis
C15.9	Malignant neoplasm of esophagus, unspecified	ICD-10-CM	Diagnosis
C16.0	Malignant neoplasm of cardia	ICD-10-CM	Diagnosis
C16.1	Malignant neoplasm of fundus of stomach	ICD-10-CM	Diagnosis
C16.2	Malignant neoplasm of body of stomach	ICD-10-CM	Diagnosis
C16.3	Malignant neoplasm of pyloric antrum	ICD-10-CM	Diagnosis
C16.4	Malignant neoplasm of pylorus	ICD-10-CM	Diagnosis
C16.5	Malignant neoplasm of lesser curvature of stomach, unspecified	ICD-10-CM	Diagnosis
C16.6	Malignant neoplasm of greater curvature of stomach, unspecified	ICD-10-CM	Diagnosis
C16.8	Malignant neoplasm of overlapping sites of stomach	ICD-10-CM	Diagnosis
C16.9	Malignant neoplasm of stomach, unspecified	ICD-10-CM	Diagnosis
C17.0	Malignant neoplasm of duodenum	ICD-10-CM	Diagnosis
C17.1	Malignant neoplasm of jejunum	ICD-10-CM	Diagnosis
C17.2	Malignant neoplasm of ileum	ICD-10-CM	Diagnosis
C17.3	Meckel's diverticulum, malignant	ICD-10-CM	Diagnosis
C17.8	Malignant neoplasm of overlapping sites of small intestine	ICD-10-CM	Diagnosis
C17.9	Malignant neoplasm of small intestine, unspecified	ICD-10-CM	Diagnosis
C18.0	Malignant neoplasm of cecum	ICD-10-CM	Diagnosis
C18.1	Malignant neoplasm of appendix	ICD-10-CM	Diagnosis
C18.2	Malignant neoplasm of ascending colon	ICD-10-CM	Diagnosis
C18.3	Malignant neoplasm of hepatic flexure	ICD-10-CM	Diagnosis
C18.4	Malignant neoplasm of transverse colon	ICD-10-CM	Diagnosis
C18.5	Malignant neoplasm of splenic flexure	ICD-10-CM	Diagnosis
C18.6	Malignant neoplasm of descending colon	ICD-10-CM	Diagnosis
C18.7	Malignant neoplasm of sigmoid colon	ICD-10-CM	Diagnosis
C18.8	Malignant neoplasm of overlapping sites of colon	ICD-10-CM	Diagnosis
C18.9	Malignant neoplasm of colon, unspecified	ICD-10-CM	Diagnosis
C19	Malignant neoplasm of rectosigmoid junction	ICD-10-CM	Diagnosis
C20	Malignant neoplasm of rectum	ICD-10-CM	Diagnosis
C21.0	Malignant neoplasm of anus, unspecified	ICD-10-CM	Diagnosis
C21.1	Malignant neoplasm of anal canal	ICD-10-CM	Diagnosis
C21.2	Malignant neoplasm of cloacogenic zone	ICD-10-CM	Diagnosis
C21.8	Malignant neoplasm of overlapping sites of rectum, anus and anal canal	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C22.0	Liver cell carcinoma	ICD-10-CM	Diagnosis
C22.1	Intrahepatic bile duct carcinoma	ICD-10-CM	Diagnosis
C22.2	Hepatoblastoma	ICD-10-CM	Diagnosis
C22.3	Angiosarcoma of liver	ICD-10-CM	Diagnosis
C22.4	Other sarcomas of liver	ICD-10-CM	Diagnosis
C22.7	Other specified carcinomas of liver	ICD-10-CM	Diagnosis
C22.8	Malignant neoplasm of liver, primary, unspecified as to type	ICD-10-CM	Diagnosis
C22.9	Malignant neoplasm of liver, not specified as primary or secondary	ICD-10-CM	Diagnosis
C23	Malignant neoplasm of gallbladder	ICD-10-CM	Diagnosis
C24.0	Malignant neoplasm of extrahepatic bile duct	ICD-10-CM	Diagnosis
C24.1	Malignant neoplasm of ampulla of Vater	ICD-10-CM	Diagnosis
C24.8	Malignant neoplasm of overlapping sites of biliary tract	ICD-10-CM	Diagnosis
C24.9	Malignant neoplasm of biliary tract, unspecified	ICD-10-CM	Diagnosis
C25.0	Malignant neoplasm of head of pancreas	ICD-10-CM	Diagnosis
C25.1	Malignant neoplasm of body of pancreas	ICD-10-CM	Diagnosis
C25.2	Malignant neoplasm of tail of pancreas	ICD-10-CM	Diagnosis
C25.3	Malignant neoplasm of pancreatic duct	ICD-10-CM	Diagnosis
C25.4	Malignant neoplasm of endocrine pancreas	ICD-10-CM	Diagnosis
C25.7	Malignant neoplasm of other parts of pancreas	ICD-10-CM	Diagnosis
C25.8	Malignant neoplasm of overlapping sites of pancreas	ICD-10-CM	Diagnosis
C25.9	Malignant neoplasm of pancreas, unspecified	ICD-10-CM	Diagnosis
C26.0	Malignant neoplasm of intestinal tract, part unspecified	ICD-10-CM	Diagnosis
C26.1	Malignant neoplasm of spleen	ICD-10-CM	Diagnosis
C26.9	Malignant neoplasm of ill-defined sites within the digestive system	ICD-10-CM	Diagnosis
C30.0	Malignant neoplasm of nasal cavity	ICD-10-CM	Diagnosis
C30.1	Malignant neoplasm of middle ear	ICD-10-CM	Diagnosis
C31.0	Malignant neoplasm of maxillary sinus	ICD-10-CM	Diagnosis
C31.1	Malignant neoplasm of ethmoidal sinus	ICD-10-CM	Diagnosis
C31.2	Malignant neoplasm of frontal sinus	ICD-10-CM	Diagnosis
C31.3	Malignant neoplasm of sphenoid sinus	ICD-10-CM	Diagnosis
C31.8	Malignant neoplasm of overlapping sites of accessory sinuses	ICD-10-CM	Diagnosis
C31.9	Malignant neoplasm of accessory sinus, unspecified	ICD-10-CM	Diagnosis
C32.0	Malignant neoplasm of glottis	ICD-10-CM	Diagnosis
C32.1	Malignant neoplasm of supraglottis	ICD-10-CM	Diagnosis
C32.2	Malignant neoplasm of subglottis	ICD-10-CM	Diagnosis
C32.3	Malignant neoplasm of laryngeal cartilage	ICD-10-CM	Diagnosis
C32.8	Malignant neoplasm of overlapping sites of larynx	ICD-10-CM	Diagnosis
C32.9	Malignant neoplasm of larynx, unspecified	ICD-10-CM	Diagnosis
C33	Malignant neoplasm of trachea	ICD-10-CM	Diagnosis
C34.00	Malignant neoplasm of unspecified main bronchus	ICD-10-CM	Diagnosis
C34.01	Malignant neoplasm of right main bronchus	ICD-10-CM	Diagnosis
C34.02	Malignant neoplasm of left main bronchus	ICD-10-CM	Diagnosis
C34.10	Malignant neoplasm of upper lobe, unspecified bronchus or lung	ICD-10-CM	Diagnosis
C34.11	Malignant neoplasm of upper lobe, right bronchus or lung	ICD-10-CM	Diagnosis
C34.12	Malignant neoplasm of upper lobe, left bronchus or lung	ICD-10-CM	Diagnosis
C34.2	Malignant neoplasm of middle lobe, bronchus or lung	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C34.30	Malignant neoplasm of lower lobe, unspecified bronchus or lung	ICD-10-CM	Diagnosis
C34.31	Malignant neoplasm of lower lobe, right bronchus or lung	ICD-10-CM	Diagnosis
C34.32	Malignant neoplasm of lower lobe, left bronchus or lung	ICD-10-CM	Diagnosis
C34.80	Malignant neoplasm of overlapping sites of unspecified bronchus and lung	ICD-10-CM	Diagnosis
C34.81	Malignant neoplasm of overlapping sites of right bronchus and lung	ICD-10-CM	Diagnosis
C34.82	Malignant neoplasm of overlapping sites of left bronchus and lung	ICD-10-CM	Diagnosis
C34.90	Malignant neoplasm of unspecified part of unspecified bronchus or lung	ICD-10-CM	Diagnosis
C34.91	Malignant neoplasm of unspecified part of right bronchus or lung	ICD-10-CM	Diagnosis
C34.92	Malignant neoplasm of unspecified part of left bronchus or lung	ICD-10-CM	Diagnosis
C37	Malignant neoplasm of thymus	ICD-10-CM	Diagnosis
C38.0	Malignant neoplasm of heart	ICD-10-CM	Diagnosis
C38.1	Malignant neoplasm of anterior mediastinum	ICD-10-CM	Diagnosis
C38.2	Malignant neoplasm of posterior mediastinum	ICD-10-CM	Diagnosis
C38.3	Malignant neoplasm of mediastinum, part unspecified	ICD-10-CM	Diagnosis
C38.4	Malignant neoplasm of pleura	ICD-10-CM	Diagnosis
C38.8	Malignant neoplasm of overlapping sites of heart, mediastinum and pleura	ICD-10-CM	Diagnosis
C39.0	Malignant neoplasm of upper respiratory tract, part unspecified	ICD-10-CM	Diagnosis
C39.9	Malignant neoplasm of lower respiratory tract, part unspecified	ICD-10-CM	Diagnosis
C40.00	Malignant neoplasm of scapula and long bones of unspecified upper limb	ICD-10-CM	Diagnosis
C40.01	Malignant neoplasm of scapula and long bones of right upper limb	ICD-10-CM	Diagnosis
C40.02	Malignant neoplasm of scapula and long bones of left upper limb	ICD-10-CM	Diagnosis
C40.10	Malignant neoplasm of short bones of unspecified upper limb	ICD-10-CM	Diagnosis
C40.11	Malignant neoplasm of short bones of right upper limb	ICD-10-CM	Diagnosis
C40.12	Malignant neoplasm of short bones of left upper limb	ICD-10-CM	Diagnosis
C40.20	Malignant neoplasm of long bones of unspecified lower limb	ICD-10-CM	Diagnosis
C40.21	Malignant neoplasm of long bones of right lower limb	ICD-10-CM	Diagnosis
C40.22	Malignant neoplasm of long bones of left lower limb	ICD-10-CM	Diagnosis
C40.30	Malignant neoplasm of short bones of unspecified lower limb	ICD-10-CM	Diagnosis
C40.31	Malignant neoplasm of short bones of right lower limb	ICD-10-CM	Diagnosis
C40.32	Malignant neoplasm of short bones of left lower limb	ICD-10-CM	Diagnosis
C40.80	Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb	ICD-10-CM	Diagnosis
C40.81	Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb	ICD-10-CM	Diagnosis
C40.82	Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb	ICD-10-CM	Diagnosis
C40.90	Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb	ICD-10-CM	Diagnosis
C40.91	Malignant neoplasm of unspecified bones and articular cartilage of right limb	ICD-10-CM	Diagnosis
C40.92	Malignant neoplasm of unspecified bones and articular cartilage of left limb	ICD-10-CM	Diagnosis
C41.0	Malignant neoplasm of bones of skull and face	ICD-10-CM	Diagnosis
C41.1	Malignant neoplasm of mandible	ICD-10-CM	Diagnosis
C41.2	Malignant neoplasm of vertebral column	ICD-10-CM	Diagnosis
C41.3	Malignant neoplasm of ribs, sternum and clavicle	ICD-10-CM	Diagnosis
C41.4	Malignant neoplasm of pelvic bones, sacrum and coccyx	ICD-10-CM	Diagnosis
C41.9	Malignant neoplasm of bone and articular cartilage, unspecified	ICD-10-CM	Diagnosis
C43.0	Malignant melanoma of lip	ICD-10-CM	Diagnosis
C43.10	Malignant melanoma of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C43.11	Malignant melanoma of right eyelid, including canthus	ICD-10-CM	Diagnosis
C43.12	Malignant melanoma of left eyelid, including canthus	ICD-10-CM	Diagnosis
C43.20	Malignant melanoma of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
C43.21	Malignant melanoma of right ear and external auricular canal	ICD-10-CM	Diagnosis
C43.22	Malignant melanoma of left ear and external auricular canal	ICD-10-CM	Diagnosis
C43.30	Malignant melanoma of unspecified part of face	ICD-10-CM	Diagnosis
C43.31	Malignant melanoma of nose	ICD-10-CM	Diagnosis
C43.39	Malignant melanoma of other parts of face	ICD-10-CM	Diagnosis
C43.4	Malignant melanoma of scalp and neck	ICD-10-CM	Diagnosis
C43.51	Malignant melanoma of anal skin	ICD-10-CM	Diagnosis
C43.52	Malignant melanoma of skin of breast	ICD-10-CM	Diagnosis
C43.59	Malignant melanoma of other part of trunk	ICD-10-CM	Diagnosis
C43.60	Malignant melanoma of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
C43.61	Malignant melanoma of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C43.62	Malignant melanoma of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C43.70	Malignant melanoma of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C43.71	Malignant melanoma of right lower limb, including hip	ICD-10-CM	Diagnosis
C43.72	Malignant melanoma of left lower limb, including hip	ICD-10-CM	Diagnosis
C43.8	Malignant melanoma of overlapping sites of skin	ICD-10-CM	Diagnosis
C43.9	Malignant melanoma of skin, unspecified	ICD-10-CM	Diagnosis
C44.00	Unspecified malignant neoplasm of skin of lip	ICD-10-CM	Diagnosis
C44.09	Other specified malignant neoplasm of skin of lip	ICD-10-CM	Diagnosis
C44.101	Unspecified malignant neoplasm of skin of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
C44.102	Unspecified malignant neoplasm of skin of right eyelid, including canthus	ICD-10-CM	Diagnosis
C44.109	Unspecified malignant neoplasm of skin of left eyelid, including canthus	ICD-10-CM	Diagnosis
C44.191	Other specified malignant neoplasm of skin of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
C44.192	Other specified malignant neoplasm of skin of right eyelid, including canthus	ICD-10-CM	Diagnosis
C44.199	Other specified malignant neoplasm of skin of left eyelid, including canthus	ICD-10-CM	Diagnosis
C44.201	Unspecified malignant neoplasm of skin of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
C44.202	Unspecified malignant neoplasm of skin of right ear and external auricular canal	ICD-10-CM	Diagnosis
C44.209	Unspecified malignant neoplasm of skin of left ear and external auricular canal	ICD-10-CM	Diagnosis
C44.291	Other specified malignant neoplasm of skin of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
C44.292	Other specified malignant neoplasm of skin of right ear and external auricular canal	ICD-10-CM	Diagnosis
C44.299	Other specified malignant neoplasm of skin of left ear and external auricular canal	ICD-10-CM	Diagnosis
C44.300	Unspecified malignant neoplasm of skin of unspecified part of face	ICD-10-CM	Diagnosis
C44.301	Unspecified malignant neoplasm of skin of nose	ICD-10-CM	Diagnosis
C44.309	Unspecified malignant neoplasm of skin of other parts of face	ICD-10-CM	Diagnosis
C44.390	Other specified malignant neoplasm of skin of unspecified parts of face	ICD-10-CM	Diagnosis
C44.391	Other specified malignant neoplasm of skin of nose	ICD-10-CM	Diagnosis
C44.399	Other specified malignant neoplasm of skin of other parts of face	ICD-10-CM	Diagnosis
C44.40	Unspecified malignant neoplasm of skin of scalp and neck	ICD-10-CM	Diagnosis
C44.49	Other specified malignant neoplasm of skin of scalp and neck	ICD-10-CM	Diagnosis
C44.500	Unspecified malignant neoplasm of anal skin	ICD-10-CM	Diagnosis
C44.501	Unspecified malignant neoplasm of skin of breast	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C44.509	Unspecified malignant neoplasm of skin of other part of trunk	ICD-10-CM	Diagnosis
C44.590	Other specified malignant neoplasm of anal skin	ICD-10-CM	Diagnosis
C44.591	Other specified malignant neoplasm of skin of breast	ICD-10-CM	Diagnosis
C44.599	Other specified malignant neoplasm of skin of other part of trunk	ICD-10-CM	Diagnosis
C44.601	Unspecified malignant neoplasm of skin of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
C44.602	Unspecified malignant neoplasm of skin of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C44.609	Unspecified malignant neoplasm of skin of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C44.691	Other specified malignant neoplasm of skin of unspecified upper limb, including	ICD-10-CM	Diagnosis
C44.692	Other specified malignant neoplasm of skin of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C44.699	Other specified malignant neoplasm of skin of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C44.701	Unspecified malignant neoplasm of skin of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C44.702	Unspecified malignant neoplasm of skin of right lower limb, including hip	ICD-10-CM	Diagnosis
C44.709	Unspecified malignant neoplasm of skin of left lower limb, including hip	ICD-10-CM	Diagnosis
C44.791	Other specified malignant neoplasm of skin of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C44.792	Other specified malignant neoplasm of skin of right lower limb, including hip	ICD-10-CM	Diagnosis
C44.799	Other specified malignant neoplasm of skin of left lower limb, including hip	ICD-10-CM	Diagnosis
C44.80	Unspecified malignant neoplasm of overlapping sites of skin	ICD-10-CM	Diagnosis
C44.89	Other specified malignant neoplasm of overlapping sites of skin	ICD-10-CM	Diagnosis
C44.90	Unspecified malignant neoplasm of skin, unspecified	ICD-10-CM	Diagnosis
C44.99	Other specified malignant neoplasm of skin, unspecified	ICD-10-CM	Diagnosis
C45.0	Mesothelioma of pleura	ICD-10-CM	Diagnosis
C45.1	Mesothelioma of peritoneum	ICD-10-CM	Diagnosis
C45.2	Mesothelioma of pericardium	ICD-10-CM	Diagnosis
C45.7	Mesothelioma of other sites	ICD-10-CM	Diagnosis
C45.9	Mesothelioma, unspecified	ICD-10-CM	Diagnosis
C46.0	Kaposi's sarcoma of skin	ICD-10-CM	Diagnosis
C46.1	Kaposi's sarcoma of soft tissue	ICD-10-CM	Diagnosis
C46.2	Kaposi's sarcoma of palate	ICD-10-CM	Diagnosis
C46.3	Kaposi's sarcoma of lymph nodes	ICD-10-CM	Diagnosis
C46.4	Kaposi's sarcoma of gastrointestinal sites	ICD-10-CM	Diagnosis
C46.50	Kaposi's sarcoma of unspecified lung	ICD-10-CM	Diagnosis
C46.51	Kaposi's sarcoma of right lung	ICD-10-CM	Diagnosis
C46.52	Kaposi's sarcoma of left lung	ICD-10-CM	Diagnosis
C46.7	Kaposi's sarcoma of other sites	ICD-10-CM	Diagnosis
C46.9	Kaposi's sarcoma, unspecified	ICD-10-CM	Diagnosis
C47.0	Malignant neoplasm of peripheral nerves of head, face and neck	ICD-10-CM	Diagnosis
C47.10	Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
C47.11	Malignant neoplasm of peripheral nerves of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C47.12	Malignant neoplasm of peripheral nerves of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C47.20	Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C47.21	Malignant neoplasm of peripheral nerves of right lower limb, including hip	ICD-10-CM	Diagnosis
C47.22	Malignant neoplasm of peripheral nerves of left lower limb, including hip	ICD-10-CM	Diagnosis
C47.3	Malignant neoplasm of peripheral nerves of thorax	ICD-10-CM	Diagnosis
C47.4	Malignant neoplasm of peripheral nerves of abdomen	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C47.5	Malignant neoplasm of peripheral nerves of pelvis	ICD-10-CM	Diagnosis
C47.6	Malignant neoplasm of peripheral nerves of trunk, unspecified	ICD-10-CM	Diagnosis
C47.8	Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system	ICD-10-CM	Diagnosis
C47.9	Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified	ICD-10-CM	Diagnosis
C48.0	Malignant neoplasm of retroperitoneum	ICD-10-CM	Diagnosis
C48.1	Malignant neoplasm of specified parts of peritoneum	ICD-10-CM	Diagnosis
C48.2	Malignant neoplasm of peritoneum, unspecified	ICD-10-CM	Diagnosis
C48.8	Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum	ICD-10-CM	Diagnosis
C49.0	Malignant neoplasm of connective and soft tissue of head, face and neck	ICD-10-CM	Diagnosis
C49.10	Malignant neoplasm of connective and soft tissue of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
C49.11	Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C49.12	Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C49.20	Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C49.21	Malignant neoplasm of connective and soft tissue of right lower limb, including hip	ICD-10-CM	Diagnosis
C49.22	Malignant neoplasm of connective and soft tissue of left lower limb, including hip	ICD-10-CM	Diagnosis
C49.3	Malignant neoplasm of connective and soft tissue of thorax	ICD-10-CM	Diagnosis
C49.4	Malignant neoplasm of connective and soft tissue of abdomen	ICD-10-CM	Diagnosis
C49.5	Malignant neoplasm of connective and soft tissue of pelvis	ICD-10-CM	Diagnosis
C49.6	Malignant neoplasm of connective and soft tissue of trunk, unspecified	ICD-10-CM	Diagnosis
C49.8	Malignant neoplasm of overlapping sites of connective and soft tissue	ICD-10-CM	Diagnosis
C49.9	Malignant neoplasm of connective and soft tissue, unspecified	ICD-10-CM	Diagnosis
C49.A0	Gastrointestinal stromal tumor, unspecified site	ICD-10-CM	Diagnosis
C49.A1	Gastrointestinal stromal tumor of esophagus	ICD-10-CM	Diagnosis
C49.A2	Gastrointestinal stromal tumor of stomach	ICD-10-CM	Diagnosis
C49.A3	Gastrointestinal stromal tumor of small intestine	ICD-10-CM	Diagnosis
C49.A4	Gastrointestinal stromal tumor of large intestine	ICD-10-CM	Diagnosis
C49.A5	Gastrointestinal stromal tumor of rectum	ICD-10-CM	Diagnosis
C49.A9	Gastrointestinal stromal tumor of other sites	ICD-10-CM	Diagnosis
C4A.0	Merkel cell carcinoma of lip	ICD-10-CM	Diagnosis
C4A.10	Merkel cell carcinoma of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
C4A.11	Merkel cell carcinoma of right eyelid, including canthus	ICD-10-CM	Diagnosis
C4A.12	Merkel cell carcinoma of left eyelid, including canthus	ICD-10-CM	Diagnosis
C4A.20	Merkel cell carcinoma of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
C4A.21	Merkel cell carcinoma of right ear and external auricular canal	ICD-10-CM	Diagnosis
C4A.22	Merkel cell carcinoma of left ear and external auricular canal	ICD-10-CM	Diagnosis
C4A.30	Merkel cell carcinoma of unspecified part of face	ICD-10-CM	Diagnosis
C4A.31	Merkel cell carcinoma of nose	ICD-10-CM	Diagnosis
C4A.39	Merkel cell carcinoma of other parts of face	ICD-10-CM	Diagnosis
C4A.4	Merkel cell carcinoma of scalp and neck	ICD-10-CM	Diagnosis
C4A.51	Merkel cell carcinoma of anal skin	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C4A.52	Merkel cell carcinoma of skin of breast	ICD-10-CM	Diagnosis
C4A.59	Merkel cell carcinoma of other part of trunk	ICD-10-CM	Diagnosis
C4A.60	Merkel cell carcinoma of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
C4A.61	Merkel cell carcinoma of right upper limb, including shoulder	ICD-10-CM	Diagnosis
C4A.62	Merkel cell carcinoma of left upper limb, including shoulder	ICD-10-CM	Diagnosis
C4A.70	Merkel cell carcinoma of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
C4A.71	Merkel cell carcinoma of right lower limb, including hip	ICD-10-CM	Diagnosis
C4A.72	Merkel cell carcinoma of left lower limb, including hip	ICD-10-CM	Diagnosis
C4A.8	Merkel cell carcinoma of overlapping sites	ICD-10-CM	Diagnosis
C4A.9	Merkel cell carcinoma, unspecified	ICD-10-CM	Diagnosis
C50.011	Malignant neoplasm of nipple and areola, right female breast	ICD-10-CM	Diagnosis
C50.012	Malignant neoplasm of nipple and areola, left female breast	ICD-10-CM	Diagnosis
C50.019	Malignant neoplasm of nipple and areola, unspecified female breast	ICD-10-CM	Diagnosis
C50.021	Malignant neoplasm of nipple and areola, right male breast	ICD-10-CM	Diagnosis
C50.022	Malignant neoplasm of nipple and areola, left male breast	ICD-10-CM	Diagnosis
C50.029	Malignant neoplasm of nipple and areola, unspecified male breast	ICD-10-CM	Diagnosis
C50.111	Malignant neoplasm of central portion of right female breast	ICD-10-CM	Diagnosis
C50.112	Malignant neoplasm of central portion of left female breast	ICD-10-CM	Diagnosis
C50.119	Malignant neoplasm of central portion of unspecified female breast	ICD-10-CM	Diagnosis
C50.121	Malignant neoplasm of central portion of right male breast	ICD-10-CM	Diagnosis
C50.122	Malignant neoplasm of central portion of left male breast	ICD-10-CM	Diagnosis
C50.129	Malignant neoplasm of central portion of unspecified male breast	ICD-10-CM	Diagnosis
C50.211	Malignant neoplasm of upper-inner quadrant of right female breast	ICD-10-CM	Diagnosis
C50.212	Malignant neoplasm of upper-inner quadrant of left female breast	ICD-10-CM	Diagnosis
C50.219	Malignant neoplasm of upper-inner quadrant of unspecified female breast	ICD-10-CM	Diagnosis
C50.221	Malignant neoplasm of upper-inner quadrant of right male breast	ICD-10-CM	Diagnosis
C50.222	Malignant neoplasm of upper-inner quadrant of left male breast	ICD-10-CM	Diagnosis
C50.229	Malignant neoplasm of upper-inner quadrant of unspecified male breast	ICD-10-CM	Diagnosis
C50.311	Malignant neoplasm of lower-inner quadrant of right female breast	ICD-10-CM	Diagnosis
C50.312	Malignant neoplasm of lower-inner quadrant of left female breast	ICD-10-CM	Diagnosis
C50.319	Malignant neoplasm of lower-inner quadrant of unspecified female breast	ICD-10-CM	Diagnosis
C50.321	Malignant neoplasm of lower-inner quadrant of right male breast	ICD-10-CM	Diagnosis
C50.322	Malignant neoplasm of lower-inner quadrant of left male breast	ICD-10-CM	Diagnosis
C50.329	Malignant neoplasm of lower-inner quadrant of unspecified male breast	ICD-10-CM	Diagnosis
C50.411	Malignant neoplasm of upper-outer quadrant of right female breast	ICD-10-CM	Diagnosis
C50.412	Malignant neoplasm of upper-outer quadrant of left female breast	ICD-10-CM	Diagnosis
C50.419	Malignant neoplasm of upper-outer quadrant of unspecified female breast	ICD-10-CM	Diagnosis
C50.421	Malignant neoplasm of upper-outer quadrant of right male breast	ICD-10-CM	Diagnosis
C50.422	Malignant neoplasm of upper-outer quadrant of left male breast	ICD-10-CM	Diagnosis
C50.429	Malignant neoplasm of upper-outer quadrant of unspecified male breast	ICD-10-CM	Diagnosis
C50.511	Malignant neoplasm of lower-outer quadrant of right female breast	ICD-10-CM	Diagnosis
C50.512	Malignant neoplasm of lower-outer quadrant of left female breast	ICD-10-CM	Diagnosis
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	ICD-10-CM	Diagnosis
C50.521	Malignant neoplasm of lower-outer quadrant of right male breast	ICD-10-CM	Diagnosis
C50.522	Malignant neoplasm of lower-outer quadrant of left male breast	ICD-10-CM	Diagnosis
C50.529	Malignant neoplasm of lower-outer quadrant of unspecified male breast	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C50.611	Malignant neoplasm of axillary tail of right female breast	ICD-10-CM	Diagnosis
C50.612	Malignant neoplasm of axillary tail of left female breast	ICD-10-CM	Diagnosis
C50.619	Malignant neoplasm of axillary tail of unspecified female breast	ICD-10-CM	Diagnosis
C50.621	Malignant neoplasm of axillary tail of right male breast	ICD-10-CM	Diagnosis
C50.622	Malignant neoplasm of axillary tail of left male breast	ICD-10-CM	Diagnosis
C50.629	Malignant neoplasm of axillary tail of unspecified male breast	ICD-10-CM	Diagnosis
C50.811	Malignant neoplasm of overlapping sites of right female breast	ICD-10-CM	Diagnosis
C50.812	Malignant neoplasm of overlapping sites of left female breast	ICD-10-CM	Diagnosis
C50.819	Malignant neoplasm of overlapping sites of unspecified female breast	ICD-10-CM	Diagnosis
C50.821	Malignant neoplasm of overlapping sites of right male breast	ICD-10-CM	Diagnosis
C50.822	Malignant neoplasm of overlapping sites of left male breast	ICD-10-CM	Diagnosis
C50.829	Malignant neoplasm of overlapping sites of unspecified male breast	ICD-10-CM	Diagnosis
C50.911	Malignant neoplasm of unspecified site of right female breast	ICD-10-CM	Diagnosis
C50.912	Malignant neoplasm of unspecified site of left female breast	ICD-10-CM	Diagnosis
C50.919	Malignant neoplasm of unspecified site of unspecified female breast	ICD-10-CM	Diagnosis
C50.921	Malignant neoplasm of unspecified site of right male breast	ICD-10-CM	Diagnosis
C50.922	Malignant neoplasm of unspecified site of left male breast	ICD-10-CM	Diagnosis
C50.929	Malignant neoplasm of unspecified site of unspecified male breast	ICD-10-CM	Diagnosis
C51.0	Malignant neoplasm of labium majus	ICD-10-CM	Diagnosis
C51.1	Malignant neoplasm of labium minus	ICD-10-CM	Diagnosis
C51.2	Malignant neoplasm of clitoris	ICD-10-CM	Diagnosis
C51.8	Malignant neoplasm of overlapping sites of vulva	ICD-10-CM	Diagnosis
C51.9	Malignant neoplasm of vulva, unspecified	ICD-10-CM	Diagnosis
C52	Malignant neoplasm of vagina	ICD-10-CM	Diagnosis
C53.0	Malignant neoplasm of endocervix	ICD-10-CM	Diagnosis
C53.1	Malignant neoplasm of exocervix	ICD-10-CM	Diagnosis
C53.8	Malignant neoplasm of overlapping sites of cervix uteri	ICD-10-CM	Diagnosis
C53.9	Malignant neoplasm of cervix uteri, unspecified	ICD-10-CM	Diagnosis
C54.0	Malignant neoplasm of isthmus uteri	ICD-10-CM	Diagnosis
C54.1	Malignant neoplasm of endometrium	ICD-10-CM	Diagnosis
C54.2	Malignant neoplasm of myometrium	ICD-10-CM	Diagnosis
C54.3	Malignant neoplasm of fundus uteri	ICD-10-CM	Diagnosis
C54.8	Malignant neoplasm of overlapping sites of corpus uteri	ICD-10-CM	Diagnosis
C54.9	Malignant neoplasm of corpus uteri, unspecified	ICD-10-CM	Diagnosis
C55	Malignant neoplasm of uterus, part unspecified	ICD-10-CM	Diagnosis
C56.1	Malignant neoplasm of right ovary	ICD-10-CM	Diagnosis
C56.2	Malignant neoplasm of left ovary	ICD-10-CM	Diagnosis
C56.9	Malignant neoplasm of unspecified ovary	ICD-10-CM	Diagnosis
C57.00	Malignant neoplasm of unspecified fallopian tube	ICD-10-CM	Diagnosis
C57.01	Malignant neoplasm of right fallopian tube	ICD-10-CM	Diagnosis
C57.02	Malignant neoplasm of left fallopian tube	ICD-10-CM	Diagnosis
C57.10	Malignant neoplasm of unspecified broad ligament	ICD-10-CM	Diagnosis
C57.11	Malignant neoplasm of right broad ligament	ICD-10-CM	Diagnosis
C57.12	Malignant neoplasm of left broad ligament	ICD-10-CM	Diagnosis
C57.20	Malignant neoplasm of unspecified round ligament	ICD-10-CM	Diagnosis
C57.21	Malignant neoplasm of right round ligament	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C57.22	Malignant neoplasm of left round ligament	ICD-10-CM	Diagnosis
C57.3	Malignant neoplasm of parametrium	ICD-10-CM	Diagnosis
C57.4	Malignant neoplasm of uterine adnexa, unspecified	ICD-10-CM	Diagnosis
C57.7	Malignant neoplasm of other specified female genital organs	ICD-10-CM	Diagnosis
C57.8	Malignant neoplasm of overlapping sites of female genital organs	ICD-10-CM	Diagnosis
C57.9	Malignant neoplasm of female genital organ, unspecified	ICD-10-CM	Diagnosis
C58	Malignant neoplasm of placenta	ICD-10-CM	Diagnosis
C60.0	Malignant neoplasm of prepuce	ICD-10-CM	Diagnosis
C60.1	Malignant neoplasm of glans penis	ICD-10-CM	Diagnosis
C60.2	Malignant neoplasm of body of penis	ICD-10-CM	Diagnosis
C60.8	Malignant neoplasm of overlapping sites of penis	ICD-10-CM	Diagnosis
C60.9	Malignant neoplasm of penis, unspecified	ICD-10-CM	Diagnosis
C61	Malignant neoplasm of prostate	ICD-10-CM	Diagnosis
C62.00	Malignant neoplasm of unspecified undescended testis	ICD-10-CM	Diagnosis
C62.01	Malignant neoplasm of undescended right testis	ICD-10-CM	Diagnosis
C62.02	Malignant neoplasm of undescended left testis	ICD-10-CM	Diagnosis
C62.10	Malignant neoplasm of unspecified descended testis	ICD-10-CM	Diagnosis
C62.11	Malignant neoplasm of descended right testis	ICD-10-CM	Diagnosis
C62.12	Malignant neoplasm of descended left testis	ICD-10-CM	Diagnosis
C62.90	Malignant neoplasm of unspecified testis, unspecified whether descended or undescended	ICD-10-CM	Diagnosis
C62.91	Malignant neoplasm of right testis, unspecified whether descended or undescended	ICD-10-CM	Diagnosis
C62.92	Malignant neoplasm of left testis, unspecified whether descended or undescended	ICD-10-CM	Diagnosis
C63.00	Malignant neoplasm of unspecified epididymis	ICD-10-CM	Diagnosis
C63.01	Malignant neoplasm of right epididymis	ICD-10-CM	Diagnosis
C63.02	Malignant neoplasm of left epididymis	ICD-10-CM	Diagnosis
C63.10	Malignant neoplasm of unspecified spermatic cord	ICD-10-CM	Diagnosis
C63.11	Malignant neoplasm of right spermatic cord	ICD-10-CM	Diagnosis
C63.12	Malignant neoplasm of left spermatic cord	ICD-10-CM	Diagnosis
C63.2	Malignant neoplasm of scrotum	ICD-10-CM	Diagnosis
C63.7	Malignant neoplasm of other specified male genital organs	ICD-10-CM	Diagnosis
C63.8	Malignant neoplasm of overlapping sites of male genital organs	ICD-10-CM	Diagnosis
C63.9	Malignant neoplasm of male genital organ, unspecified	ICD-10-CM	Diagnosis
C64.1	Malignant neoplasm of right kidney, except renal pelvis	ICD-10-CM	Diagnosis
C64.2	Malignant neoplasm of left kidney, except renal pelvis	ICD-10-CM	Diagnosis
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis	ICD-10-CM	Diagnosis
C65.1	Malignant neoplasm of right renal pelvis	ICD-10-CM	Diagnosis
C65.2	Malignant neoplasm of left renal pelvis	ICD-10-CM	Diagnosis
C65.9	Malignant neoplasm of unspecified renal pelvis	ICD-10-CM	Diagnosis
C66.1	Malignant neoplasm of right ureter	ICD-10-CM	Diagnosis
C66.2	Malignant neoplasm of left ureter	ICD-10-CM	Diagnosis
C66.9	Malignant neoplasm of unspecified ureter	ICD-10-CM	Diagnosis
C67.0	Malignant neoplasm of trigone of bladder	ICD-10-CM	Diagnosis
C67.1	Malignant neoplasm of dome of bladder	ICD-10-CM	Diagnosis
C67.2	Malignant neoplasm of lateral wall of bladder	ICD-10-CM	Diagnosis
C67.3	Malignant neoplasm of anterior wall of bladder	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C67.4	Malignant neoplasm of posterior wall of bladder	ICD-10-CM	Diagnosis
C67.5	Malignant neoplasm of bladder neck	ICD-10-CM	Diagnosis
C67.6	Malignant neoplasm of ureteric orifice	ICD-10-CM	Diagnosis
C67.7	Malignant neoplasm of urachus	ICD-10-CM	Diagnosis
C67.8	Malignant neoplasm of overlapping sites of bladder	ICD-10-CM	Diagnosis
C67.9	Malignant neoplasm of bladder, unspecified	ICD-10-CM	Diagnosis
C68.0	Malignant neoplasm of urethra	ICD-10-CM	Diagnosis
C68.1	Malignant neoplasm of paraurethral glands	ICD-10-CM	Diagnosis
C68.8	Malignant neoplasm of overlapping sites of urinary organs	ICD-10-CM	Diagnosis
C68.9	Malignant neoplasm of urinary organ, unspecified	ICD-10-CM	Diagnosis
C69.00	Malignant neoplasm of unspecified conjunctiva	ICD-10-CM	Diagnosis
C69.01	Malignant neoplasm of right conjunctiva	ICD-10-CM	Diagnosis
C69.02	Malignant neoplasm of left conjunctiva	ICD-10-CM	Diagnosis
C69.10	Malignant neoplasm of unspecified cornea	ICD-10-CM	Diagnosis
C69.11	Malignant neoplasm of right cornea	ICD-10-CM	Diagnosis
C69.12	Malignant neoplasm of left cornea	ICD-10-CM	Diagnosis
C69.20	Malignant neoplasm of unspecified retina	ICD-10-CM	Diagnosis
C69.21	Malignant neoplasm of right retina	ICD-10-CM	Diagnosis
C69.22	Malignant neoplasm of left retina	ICD-10-CM	Diagnosis
C69.30	Malignant neoplasm of unspecified choroid	ICD-10-CM	Diagnosis
C69.31	Malignant neoplasm of right choroid	ICD-10-CM	Diagnosis
C69.32	Malignant neoplasm of left choroid	ICD-10-CM	Diagnosis
C69.40	Malignant neoplasm of unspecified ciliary body	ICD-10-CM	Diagnosis
C69.41	Malignant neoplasm of right ciliary body	ICD-10-CM	Diagnosis
C69.42	Malignant neoplasm of left ciliary body	ICD-10-CM	Diagnosis
C69.50	Malignant neoplasm of unspecified lacrimal gland and duct	ICD-10-CM	Diagnosis
C69.51	Malignant neoplasm of right lacrimal gland and duct	ICD-10-CM	Diagnosis
C69.52	Malignant neoplasm of left lacrimal gland and duct	ICD-10-CM	Diagnosis
C69.60	Malignant neoplasm of unspecified orbit	ICD-10-CM	Diagnosis
C69.61	Malignant neoplasm of right orbit	ICD-10-CM	Diagnosis
C69.62	Malignant neoplasm of left orbit	ICD-10-CM	Diagnosis
C69.80	Malignant neoplasm of overlapping sites of unspecified eye and adnexa	ICD-10-CM	Diagnosis
C69.81	Malignant neoplasm of overlapping sites of right eye and adnexa	ICD-10-CM	Diagnosis
C69.82	Malignant neoplasm of overlapping sites of left eye and adnexa	ICD-10-CM	Diagnosis
C69.90	Malignant neoplasm of unspecified site of unspecified eye	ICD-10-CM	Diagnosis
C69.91	Malignant neoplasm of unspecified site of right eye	ICD-10-CM	Diagnosis
C69.92	Malignant neoplasm of unspecified site of left eye	ICD-10-CM	Diagnosis
C70.0	Malignant neoplasm of cerebral meninges	ICD-10-CM	Diagnosis
C70.1	Malignant neoplasm of spinal meninges	ICD-10-CM	Diagnosis
C70.9	Malignant neoplasm of meninges, unspecified	ICD-10-CM	Diagnosis
C71.0	Malignant neoplasm of cerebrum, except lobes and ventricles	ICD-10-CM	Diagnosis
C71.1	Malignant neoplasm of frontal lobe	ICD-10-CM	Diagnosis
C71.2	Malignant neoplasm of temporal lobe	ICD-10-CM	Diagnosis
C71.3	Malignant neoplasm of parietal lobe	ICD-10-CM	Diagnosis
C71.4	Malignant neoplasm of occipital lobe	ICD-10-CM	Diagnosis
C71.5	Malignant neoplasm of cerebral ventricle	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C71.6	Malignant neoplasm of cerebellum	ICD-10-CM	Diagnosis
C71.7	Malignant neoplasm of brain stem	ICD-10-CM	Diagnosis
C71.8	Malignant neoplasm of overlapping sites of brain	ICD-10-CM	Diagnosis
C71.9	Malignant neoplasm of brain, unspecified	ICD-10-CM	Diagnosis
C72.0	Malignant neoplasm of spinal cord	ICD-10-CM	Diagnosis
C72.1	Malignant neoplasm of cauda equina	ICD-10-CM	Diagnosis
C72.20	Malignant neoplasm of unspecified olfactory nerve	ICD-10-CM	Diagnosis
C72.21	Malignant neoplasm of right olfactory nerve	ICD-10-CM	Diagnosis
C72.22	Malignant neoplasm of left olfactory nerve	ICD-10-CM	Diagnosis
C72.30	Malignant neoplasm of unspecified optic nerve	ICD-10-CM	Diagnosis
C72.31	Malignant neoplasm of right optic nerve	ICD-10-CM	Diagnosis
C72.32	Malignant neoplasm of left optic nerve	ICD-10-CM	Diagnosis
C72.40	Malignant neoplasm of unspecified acoustic nerve	ICD-10-CM	Diagnosis
C72.41	Malignant neoplasm of right acoustic nerve	ICD-10-CM	Diagnosis
C72.42	Malignant neoplasm of left acoustic nerve	ICD-10-CM	Diagnosis
C72.50	Malignant neoplasm of unspecified cranial nerve	ICD-10-CM	Diagnosis
C72.59	Malignant neoplasm of other cranial nerves	ICD-10-CM	Diagnosis
C72.9	Malignant neoplasm of central nervous system, unspecified	ICD-10-CM	Diagnosis
C73	Malignant neoplasm of thyroid gland	ICD-10-CM	Diagnosis
C74.00	Malignant neoplasm of cortex of unspecified adrenal gland	ICD-10-CM	Diagnosis
C74.01	Malignant neoplasm of cortex of right adrenal gland	ICD-10-CM	Diagnosis
C74.02	Malignant neoplasm of cortex of left adrenal gland	ICD-10-CM	Diagnosis
C74.10	Malignant neoplasm of medulla of unspecified adrenal gland	ICD-10-CM	Diagnosis
C74.11	Malignant neoplasm of medulla of right adrenal gland	ICD-10-CM	Diagnosis
C74.12	Malignant neoplasm of medulla of left adrenal gland	ICD-10-CM	Diagnosis
C74.90	Malignant neoplasm of unspecified part of unspecified adrenal gland	ICD-10-CM	Diagnosis
C74.91	Malignant neoplasm of unspecified part of right adrenal gland	ICD-10-CM	Diagnosis
C74.92	Malignant neoplasm of unspecified part of left adrenal gland	ICD-10-CM	Diagnosis
C75.0	Malignant neoplasm of parathyroid gland	ICD-10-CM	Diagnosis
C75.1	Malignant neoplasm of pituitary gland	ICD-10-CM	Diagnosis
C75.2	Malignant neoplasm of craniopharyngeal duct	ICD-10-CM	Diagnosis
C75.3	Malignant neoplasm of pineal gland	ICD-10-CM	Diagnosis
C75.4	Malignant neoplasm of carotid body	ICD-10-CM	Diagnosis
C75.5	Malignant neoplasm of aortic body and other paraganglia	ICD-10-CM	Diagnosis
C75.8	Malignant neoplasm with pluriglandular involvement, unspecified	ICD-10-CM	Diagnosis
C75.9	Malignant neoplasm of endocrine gland, unspecified	ICD-10-CM	Diagnosis
C76.0	Malignant neoplasm of head, face and neck	ICD-10-CM	Diagnosis
C76.1	Malignant neoplasm of thorax	ICD-10-CM	Diagnosis
C76.2	Malignant neoplasm of abdomen	ICD-10-CM	Diagnosis
C76.3	Malignant neoplasm of pelvis	ICD-10-CM	Diagnosis
C76.40	Malignant neoplasm of unspecified upper limb	ICD-10-CM	Diagnosis
C76.41	Malignant neoplasm of right upper limb	ICD-10-CM	Diagnosis
C76.42	Malignant neoplasm of left upper limb	ICD-10-CM	Diagnosis
C76.50	Malignant neoplasm of unspecified lower limb	ICD-10-CM	Diagnosis
C76.51	Malignant neoplasm of right lower limb	ICD-10-CM	Diagnosis
C76.52	Malignant neoplasm of left lower limb	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C76.8	Malignant neoplasm of other specified ill-defined sites	ICD-10-CM	Diagnosis
C77.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck	ICD-10-CM	Diagnosis
C77.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C77.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C77.3	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes	ICD-10-CM	Diagnosis
C77.4	Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes	ICD-10-CM	Diagnosis
C77.5	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C77.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions	ICD-10-CM	Diagnosis
C77.9	Secondary and unspecified malignant neoplasm of lymph node, unspecified	ICD-10-CM	Diagnosis
C78.00	Secondary malignant neoplasm of unspecified lung	ICD-10-CM	Diagnosis
C78.01	Secondary malignant neoplasm of right lung	ICD-10-CM	Diagnosis
C78.02	Secondary malignant neoplasm of left lung	ICD-10-CM	Diagnosis
C78.1	Secondary malignant neoplasm of mediastinum	ICD-10-CM	Diagnosis
C78.2	Secondary malignant neoplasm of pleura	ICD-10-CM	Diagnosis
C78.30	Secondary malignant neoplasm of unspecified respiratory organ	ICD-10-CM	Diagnosis
C78.39	Secondary malignant neoplasm of other respiratory organs	ICD-10-CM	Diagnosis
C78.4	Secondary malignant neoplasm of small intestine	ICD-10-CM	Diagnosis
C78.5	Secondary malignant neoplasm of large intestine and rectum	ICD-10-CM	Diagnosis
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	ICD-10-CM	Diagnosis
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct	ICD-10-CM	Diagnosis
C78.80	Secondary malignant neoplasm of unspecified digestive organ	ICD-10-CM	Diagnosis
C78.89	Secondary malignant neoplasm of other digestive organs	ICD-10-CM	Diagnosis
C79.00	Secondary malignant neoplasm of unspecified kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.01	Secondary malignant neoplasm of right kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.02	Secondary malignant neoplasm of left kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.10	Secondary malignant neoplasm of unspecified urinary organs	ICD-10-CM	Diagnosis
C79.11	Secondary malignant neoplasm of bladder	ICD-10-CM	Diagnosis
C79.19	Secondary malignant neoplasm of other urinary organs	ICD-10-CM	Diagnosis
C79.2	Secondary malignant neoplasm of skin	ICD-10-CM	Diagnosis
C79.31	Secondary malignant neoplasm of brain	ICD-10-CM	Diagnosis
C79.32	Secondary malignant neoplasm of cerebral meninges	ICD-10-CM	Diagnosis
C79.40	Secondary malignant neoplasm of unspecified part of nervous system	ICD-10-CM	Diagnosis
C79.49	Secondary malignant neoplasm of other parts of nervous system	ICD-10-CM	Diagnosis
C79.51	Secondary malignant neoplasm of bone	ICD-10-CM	Diagnosis
C79.52	Secondary malignant neoplasm of bone marrow	ICD-10-CM	Diagnosis
C79.60	Secondary malignant neoplasm of unspecified ovary	ICD-10-CM	Diagnosis
C79.61	Secondary malignant neoplasm of right ovary	ICD-10-CM	Diagnosis
C79.62	Secondary malignant neoplasm of left ovary	ICD-10-CM	Diagnosis
C79.70	Secondary malignant neoplasm of unspecified adrenal gland	ICD-10-CM	Diagnosis
C79.71	Secondary malignant neoplasm of right adrenal gland	ICD-10-CM	Diagnosis
C79.72	Secondary malignant neoplasm of left adrenal gland	ICD-10-CM	Diagnosis
C79.81	Secondary malignant neoplasm of breast	ICD-10-CM	Diagnosis
C79.82	Secondary malignant neoplasm of genital organs	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C79.89	Secondary malignant neoplasm of other specified sites	ICD-10-CM	Diagnosis
C79.9	Secondary malignant neoplasm of unspecified site	ICD-10-CM	Diagnosis
C7A.00	Malignant carcinoid tumor of unspecified site	ICD-10-CM	Diagnosis
C7A.010	Malignant carcinoid tumor of the duodenum	ICD-10-CM	Diagnosis
C7A.011	Malignant carcinoid tumor of the jejunum	ICD-10-CM	Diagnosis
C7A.012	Malignant carcinoid tumor of the ileum	ICD-10-CM	Diagnosis
C7A.019	Malignant carcinoid tumor of the small intestine, unspecified portion	ICD-10-CM	Diagnosis
C7A.020	Malignant carcinoid tumor of the appendix	ICD-10-CM	Diagnosis
C7A.021	Malignant carcinoid tumor of the cecum	ICD-10-CM	Diagnosis
C7A.022	Malignant carcinoid tumor of the ascending colon	ICD-10-CM	Diagnosis
C7A.023	Malignant carcinoid tumor of the transverse colon	ICD-10-CM	Diagnosis
C7A.024	Malignant carcinoid tumor of the descending colon	ICD-10-CM	Diagnosis
C7A.025	Malignant carcinoid tumor of the sigmoid colon	ICD-10-CM	Diagnosis
C7A.026	Malignant carcinoid tumor of the rectum	ICD-10-CM	Diagnosis
C7A.029	Malignant carcinoid tumor of the large intestine, unspecified portion	ICD-10-CM	Diagnosis
C7A.090	Malignant carcinoid tumor of the bronchus and lung	ICD-10-CM	Diagnosis
C7A.091	Malignant carcinoid tumor of the thymus	ICD-10-CM	Diagnosis
C7A.092	Malignant carcinoid tumor of the stomach	ICD-10-CM	Diagnosis
C7A.093	Malignant carcinoid tumor of the kidney	ICD-10-CM	Diagnosis
C7A.094	Malignant carcinoid tumor of the foregut, unspecified	ICD-10-CM	Diagnosis
C7A.095	Malignant carcinoid tumor of the midgut, unspecified	ICD-10-CM	Diagnosis
C7A.096	Malignant carcinoid tumor of the hindgut, unspecified	ICD-10-CM	Diagnosis
C7A.098	Malignant carcinoid tumors of other sites	ICD-10-CM	Diagnosis
C7A.1	Malignant poorly differentiated neuroendocrine tumors	ICD-10-CM	Diagnosis
C7A.8	Other malignant neuroendocrine tumors	ICD-10-CM	Diagnosis
C7B.00	Secondary carcinoid tumors, unspecified site	ICD-10-CM	Diagnosis
C7B.01	Secondary carcinoid tumors of distant lymph nodes	ICD-10-CM	Diagnosis
C7B.02	Secondary carcinoid tumors of liver	ICD-10-CM	Diagnosis
C7B.03	Secondary carcinoid tumors of bone	ICD-10-CM	Diagnosis
C7B.04	Secondary carcinoid tumors of peritoneum	ICD-10-CM	Diagnosis
C7B.09	Secondary carcinoid tumors of other sites	ICD-10-CM	Diagnosis
C7B.1	Secondary Merkel cell carcinoma	ICD-10-CM	Diagnosis
C7B.8	Other secondary neuroendocrine tumors	ICD-10-CM	Diagnosis
C80.0	Disseminated malignant neoplasm, unspecified	ICD-10-CM	Diagnosis
C80.1	Malignant (primary) neoplasm, unspecified	ICD-10-CM	Diagnosis
C80.2	Malignant neoplasm associated with transplanted organ	ICD-10-CM	Diagnosis
C81.00	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.01	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.02	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.03	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.04	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.05	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.06	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C81.07	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.08	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.09	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ	ICD-10-CM	Diagnosis
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.70	Other Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.71	Other Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C81.72	Other Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.73	Other Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.74	Other Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.75	Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.76	Other Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.77	Other Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.78	Other Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.79	Other Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.90	Hodgkin lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.97	Hodgkin lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.00	Follicular lymphoma grade I, unspecified site	ICD-10-CM	Diagnosis
C82.01	Follicular lymphoma grade I, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.04	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.05	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.07	Follicular lymphoma grade I, spleen	ICD-10-CM	Diagnosis
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.10	Follicular lymphoma grade II, unspecified site	ICD-10-CM	Diagnosis
C82.11	Follicular lymphoma grade II, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.14	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.15	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.17	Follicular lymphoma grade II, spleen	ICD-10-CM	Diagnosis
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.20	Follicular lymphoma grade III, unspecified, unspecified site	ICD-10-CM	Diagnosis
C82.21	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.22	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.23	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.24	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.25	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.26	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C82.27	Follicular lymphoma grade III, unspecified, spleen	ICD-10-CM	Diagnosis
C82.28	Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.29	Follicular lymphoma grade III, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.30	Follicular lymphoma grade IIIa, unspecified site	ICD-10-CM	Diagnosis
C82.31	Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.32	Follicular lymphoma grade IIIa, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.33	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.34	Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.35	Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.36	Follicular lymphoma grade IIIa, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.37	Follicular lymphoma grade IIIa, spleen	ICD-10-CM	Diagnosis
C82.38	Follicular lymphoma grade IIIa, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.39	Follicular lymphoma grade IIIa, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.40	Follicular lymphoma grade IIIb, unspecified site	ICD-10-CM	Diagnosis
C82.41	Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.42	Follicular lymphoma grade IIIb, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.43	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.44	Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.45	Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.46	Follicular lymphoma grade IIIb, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.47	Follicular lymphoma grade IIIb, spleen	ICD-10-CM	Diagnosis
C82.48	Follicular lymphoma grade IIIb, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.49	Follicular lymphoma grade IIIb, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.50	Diffuse follicle center lymphoma, unspecified site	ICD-10-CM	Diagnosis
C82.51	Diffuse follicle center lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.52	Diffuse follicle center lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.53	Diffuse follicle center lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.54	Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.55	Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.56	Diffuse follicle center lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.57	Diffuse follicle center lymphoma, spleen	ICD-10-CM	Diagnosis
C82.58	Diffuse follicle center lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.59	Diffuse follicle center lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.60	Cutaneous follicle center lymphoma, unspecified site	ICD-10-CM	Diagnosis
C82.61	Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.62	Cutaneous follicle center lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.63	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.64	Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.65	Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.66	Cutaneous follicle center lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.67	Cutaneous follicle center lymphoma, spleen	ICD-10-CM	Diagnosis
C82.68	Cutaneous follicle center lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.69	Cutaneous follicle center lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.80	Other types of follicular lymphoma, unspecified site	ICD-10-CM	Diagnosis
C82.81	Other types of follicular lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.84	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.85	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.87	Other types of follicular lymphoma, spleen	ICD-10-CM	Diagnosis
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.90	Follicular lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.94	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.95	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.97	Follicular lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.00	Small cell B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.07	Small cell B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.10	Mantle cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.11	Mantle cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.17	Mantle cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.30	Diffuse large B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.34	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.35	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.37	Diffuse large B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	ICD-10-CM	Diagnosis
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.70	Burkitt lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.71	Burkitt lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.72	Burkitt lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.74	Burkitt lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.76	Burkitt lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.77	Burkitt lymphoma, spleen	ICD-10-CM	Diagnosis
C83.78	Burkitt lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.79	Burkitt lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.80	Other non-follicular lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.81	Other non-follicular lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.87	Other non-follicular lymphoma, spleen	ICD-10-CM	Diagnosis
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.90	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C83.91	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.92	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.93	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.94	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.95	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and	ICD-10-CM	Diagnosis
C83.96	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.97	Non-follicular (diffuse) lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C83.98	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.99	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.00	Mycosis fungoides, unspecified site	ICD-10-CM	Diagnosis
C84.01	Mycosis fungoides, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.02	Mycosis fungoides, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.03	Mycosis fungoides, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.04	Mycosis fungoides, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C84.05	Mycosis fungoides, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.06	Mycosis fungoides, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.07	Mycosis fungoides, spleen	ICD-10-CM	Diagnosis
C84.08	Mycosis fungoides, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.09	Mycosis fungoides, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.10	Sezary disease, unspecified site	ICD-10-CM	Diagnosis
C84.11	Sezary disease, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.12	Sezary disease, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.13	Sezary disease, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.14	Sezary disease, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.15	Sezary disease, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.16	Sezary disease, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.17	Sezary disease, spleen	ICD-10-CM	Diagnosis
C84.18	Sezary disease, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.19	Sezary disease, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.40	Peripheral T-cell lymphoma, not classified, unspecified site	ICD-10-CM	Diagnosis
C84.41	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.42	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.43	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.44	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.45	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.46	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.47	Peripheral T-cell lymphoma, not classified, spleen	ICD-10-CM	Diagnosis
C84.48	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.49	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.60	Anaplastic large cell lymphoma, ALK-positive, unspecified site	ICD-10-CM	Diagnosis
C84.61	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.62	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.63	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.64	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.65	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and	ICD-10-CM	Diagnosis
C84.66	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.67	Anaplastic large cell lymphoma, ALK-positive, spleen	ICD-10-CM	Diagnosis
C84.68	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.69	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.70	Anaplastic large cell lymphoma, ALK-negative, unspecified site	ICD-10-CM	Diagnosis
C84.71	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.72	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.73	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.74	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.75	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and	ICD-10-CM	Diagnosis
C84.76	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.77	Anaplastic large cell lymphoma, ALK-negative, spleen	ICD-10-CM	Diagnosis
C84.78	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.79	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	ICD-10-CM	Diagnosis
C84.91	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.92	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.93	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.94	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.95	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.96	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.97	Mature T/NK-cell lymphomas, unspecified, spleen	ICD-10-CM	Diagnosis
C84.98	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.99	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C84.A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.A7	Cutaneous T-cell lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C84.A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.Z0	Other mature T/NK-cell lymphomas, unspecified site	ICD-10-CM	Diagnosis
C84.Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.Z7	Other mature T/NK-cell lymphomas, spleen	ICD-10-CM	Diagnosis
C84.Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.10	Unspecified B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.11	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.12	Unspecified B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.13	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.14	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.15	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.16	Unspecified B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.17	Unspecified B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C85.18	Unspecified B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.19	Unspecified B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.20	Mediastinal (thymic) large B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.21	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.22	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.23	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C85.24	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.25	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.26	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.27	Mediastinal (thymic) large B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C85.28	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.29	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.81	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.82	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.83	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.84	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.85	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and	ICD-10-CM	Diagnosis
C85.86	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.87	Other specified types of non-Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C85.88	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.89	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.97	Non-Hodgkin lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C86.0	Extranodal NK/T-cell lymphoma, nasal type	ICD-10-CM	Diagnosis
C86.1	Hepatosplenic T-cell lymphoma	ICD-10-CM	Diagnosis
C86.2	Enteropathy-type (intestinal) T-cell lymphoma	ICD-10-CM	Diagnosis
C86.3	Subcutaneous panniculitis-like T-cell lymphoma	ICD-10-CM	Diagnosis
C86.4	Blastic NK-cell lymphoma	ICD-10-CM	Diagnosis
C86.5	Angioimmunoblastic T-cell lymphoma	ICD-10-CM	Diagnosis
C86.6	Primary cutaneous CD30-positive T-cell proliferations	ICD-10-CM	Diagnosis
C88.2	Heavy chain disease	ICD-10-CM	Diagnosis
C88.3	Immunoproliferative small intestinal disease	ICD-10-CM	Diagnosis
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	ICD-10-CM	Diagnosis
C88.8	Other malignant immunoproliferative diseases	ICD-10-CM	Diagnosis
C88.9	Malignant immunoproliferative disease, unspecified	ICD-10-CM	Diagnosis
C90.00	Multiple myeloma not having achieved remission	ICD-10-CM	Diagnosis
C90.01	Multiple myeloma in remission	ICD-10-CM	Diagnosis
C90.02	Multiple myeloma in relapse	ICD-10-CM	Diagnosis
C90.10	Plasma cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C90.11	Plasma cell leukemia in remission	ICD-10-CM	Diagnosis
C90.12	Plasma cell leukemia in relapse	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C90.20	Extramedullary plasmacytoma not having achieved remission	ICD-10-CM	Diagnosis
C90.21	Extramedullary plasmacytoma in remission	ICD-10-CM	Diagnosis
C90.22	Extramedullary plasmacytoma in relapse	ICD-10-CM	Diagnosis
C90.30	Solitary plasmacytoma not having achieved remission	ICD-10-CM	Diagnosis
C90.31	Solitary plasmacytoma in remission	ICD-10-CM	Diagnosis
C90.32	Solitary plasmacytoma in relapse	ICD-10-CM	Diagnosis
C91.00	Acute lymphoblastic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.01	Acute lymphoblastic leukemia, in remission	ICD-10-CM	Diagnosis
C91.02	Acute lymphoblastic leukemia, in relapse	ICD-10-CM	Diagnosis
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.11	Chronic lymphocytic leukemia of B-cell type in remission	ICD-10-CM	Diagnosis
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse	ICD-10-CM	Diagnosis
C91.30	Prolymphocytic leukemia of B-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.31	Prolymphocytic leukemia of B-cell type, in remission	ICD-10-CM	Diagnosis
C91.32	Prolymphocytic leukemia of B-cell type, in relapse	ICD-10-CM	Diagnosis
C91.40	Hairy cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.41	Hairy cell leukemia, in remission	ICD-10-CM	Diagnosis
C91.42	Hairy cell leukemia, in relapse	ICD-10-CM	Diagnosis
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	ICD-10-CM	Diagnosis
C91.51	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission	ICD-10-CM	Diagnosis
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	ICD-10-CM	Diagnosis
C91.60	Prolymphocytic leukemia of T-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.61	Prolymphocytic leukemia of T-cell type, in remission	ICD-10-CM	Diagnosis
C91.62	Prolymphocytic leukemia of T-cell type, in relapse	ICD-10-CM	Diagnosis
C91.90	Lymphoid leukemia, unspecified not having achieved remission	ICD-10-CM	Diagnosis
C91.91	Lymphoid leukemia, unspecified, in remission	ICD-10-CM	Diagnosis
C91.92	Lymphoid leukemia, unspecified, in relapse	ICD-10-CM	Diagnosis
C91.A0	Mature B-cell leukemia Burkitt-type not having achieved remission	ICD-10-CM	Diagnosis
C91.A1	Mature B-cell leukemia Burkitt-type, in remission	ICD-10-CM	Diagnosis
C91.A2	Mature B-cell leukemia Burkitt-type, in relapse	ICD-10-CM	Diagnosis
C91.Z0	Other lymphoid leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.Z1	Other lymphoid leukemia, in remission	ICD-10-CM	Diagnosis
C91.Z2	Other lymphoid leukemia, in relapse	ICD-10-CM	Diagnosis
C92.00	Acute myeloblastic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C92.01	Acute myeloblastic leukemia, in remission	ICD-10-CM	Diagnosis
C92.02	Acute myeloblastic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	ICD-10-CM	Diagnosis
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	ICD-10-CM	Diagnosis
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	ICD-10-CM	Diagnosis
C92.20	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	ICD-10-CM	Diagnosis
C92.21	Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission	ICD-10-CM	Diagnosis
C92.22	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	ICD-10-CM	Diagnosis
C92.30	Myeloid sarcoma, not having achieved remission	ICD-10-CM	Diagnosis
C92.31	Myeloid sarcoma, in remission	ICD-10-CM	Diagnosis
C92.32	Myeloid sarcoma, in relapse	ICD-10-CM	Diagnosis
C92.40	Acute promyelocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C92.41	Acute promyelocytic leukemia, in remission	ICD-10-CM	Diagnosis
C92.42	Acute promyelocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.50	Acute myelomonocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C92.51	Acute myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C92.52	Acute myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	ICD-10-CM	Diagnosis
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission	ICD-10-CM	Diagnosis
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse	ICD-10-CM	Diagnosis
C92.90	Myeloid leukemia, unspecified, not having achieved remission	ICD-10-CM	Diagnosis
C92.91	Myeloid leukemia, unspecified in remission	ICD-10-CM	Diagnosis
C92.92	Myeloid leukemia, unspecified in relapse	ICD-10-CM	Diagnosis
C92.A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	ICD-10-CM	Diagnosis
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission	ICD-10-CM	Diagnosis
C92.A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	ICD-10-CM	Diagnosis
C92.Z0	Other myeloid leukemia not having achieved remission	ICD-10-CM	Diagnosis
C92.Z1	Other myeloid leukemia, in remission	ICD-10-CM	Diagnosis
C92.Z2	Other myeloid leukemia, in relapse	ICD-10-CM	Diagnosis
C93.00	Acute monoblastic/monocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.01	Acute monoblastic/monocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.02	Acute monoblastic/monocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.10	Chronic myelomonocytic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C93.11	Chronic myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.12	Chronic myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.30	Juvenile myelomonocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.31	Juvenile myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.32	Juvenile myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.90	Monocytic leukemia, unspecified, not having achieved remission	ICD-10-CM	Diagnosis
C93.91	Monocytic leukemia, unspecified in remission	ICD-10-CM	Diagnosis
C93.92	Monocytic leukemia, unspecified in relapse	ICD-10-CM	Diagnosis
C93.Z0	Other monocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.Z1	Other monocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.Z2	Other monocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C94.00	Acute erythroid leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C94.01	Acute erythroid leukemia, in remission	ICD-10-CM	Diagnosis
C94.02	Acute erythroid leukemia, in relapse	ICD-10-CM	Diagnosis
C94.20	Acute megakaryoblastic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C94.21	Acute megakaryoblastic leukemia, in remission	ICD-10-CM	Diagnosis
C94.22	Acute megakaryoblastic leukemia, in relapse	ICD-10-CM	Diagnosis
C94.30	Mast cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C94.31	Mast cell leukemia, in remission	ICD-10-CM	Diagnosis
C94.32	Mast cell leukemia, in relapse	ICD-10-CM	Diagnosis
C94.40	Acute panmyelosis with myelofibrosis not having achieved remission	ICD-10-CM	Diagnosis
C94.41	Acute panmyelosis with myelofibrosis, in remission	ICD-10-CM	Diagnosis
C94.42	Acute panmyelosis with myelofibrosis, in relapse	ICD-10-CM	Diagnosis
C94.6	Myelodysplastic disease, not classified	ICD-10-CM	Diagnosis
C94.80	Other specified leukemias not having achieved remission	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C94.81	Other specified leukemias, in remission	ICD-10-CM	Diagnosis
C94.82	Other specified leukemias, in relapse	ICD-10-CM	Diagnosis
C95.00	Acute leukemia of unspecified cell type not having achieved remission	ICD-10-CM	Diagnosis
C95.01	Acute leukemia of unspecified cell type, in remission	ICD-10-CM	Diagnosis
C95.02	Acute leukemia of unspecified cell type, in relapse	ICD-10-CM	Diagnosis
C95.10	Chronic leukemia of unspecified cell type not having achieved remission	ICD-10-CM	Diagnosis
C95.11	Chronic leukemia of unspecified cell type, in remission	ICD-10-CM	Diagnosis
C95.12	Chronic leukemia of unspecified cell type, in relapse	ICD-10-CM	Diagnosis
C95.90	Leukemia, unspecified not having achieved remission	ICD-10-CM	Diagnosis
C95.91	Leukemia, unspecified, in remission	ICD-10-CM	Diagnosis
C95.92	Leukemia, unspecified, in relapse	ICD-10-CM	Diagnosis
C96.0	Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis	ICD-10-CM	Diagnosis
C96.20	Malignant mast cell neoplasm, unspecified	ICD-10-CM	Diagnosis
C96.21	Aggressive systemic mastocytosis	ICD-10-CM	Diagnosis
C96.22	Mast cell sarcoma	ICD-10-CM	Diagnosis
C96.29	Other malignant mast cell neoplasm	ICD-10-CM	Diagnosis
C96.4	Sarcoma of dendritic cells (accessory cells)	ICD-10-CM	Diagnosis
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	ICD-10-CM	Diagnosis
C96.A	Histiocytic sarcoma	ICD-10-CM	Diagnosis
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	ICD-10-CM	Diagnosis
D00.00	Carcinoma in situ of oral cavity, unspecified site	ICD-10-CM	Diagnosis
D00.01	Carcinoma in situ of labial mucosa and vermilion border	ICD-10-CM	Diagnosis
D00.02	Carcinoma in situ of buccal mucosa	ICD-10-CM	Diagnosis
D00.03	Carcinoma in situ of gingiva and edentulous alveolar ridge	ICD-10-CM	Diagnosis
D00.04	Carcinoma in situ of soft palate	ICD-10-CM	Diagnosis
D00.05	Carcinoma in situ of hard palate	ICD-10-CM	Diagnosis
D00.06	Carcinoma in situ of floor of mouth	ICD-10-CM	Diagnosis
D00.07	Carcinoma in situ of tongue	ICD-10-CM	Diagnosis
D00.08	Carcinoma in situ of pharynx	ICD-10-CM	Diagnosis
D00.1	Carcinoma in situ of esophagus	ICD-10-CM	Diagnosis
D00.2	Carcinoma in situ of stomach	ICD-10-CM	Diagnosis
D01.0	Carcinoma in situ of colon	ICD-10-CM	Diagnosis
D01.1	Carcinoma in situ of rectosigmoid junction	ICD-10-CM	Diagnosis
D01.2	Carcinoma in situ of rectum	ICD-10-CM	Diagnosis
D01.3	Carcinoma in situ of anus and anal canal	ICD-10-CM	Diagnosis
D01.40	Carcinoma in situ of unspecified part of intestine	ICD-10-CM	Diagnosis
D01.49	Carcinoma in situ of other parts of intestine	ICD-10-CM	Diagnosis
D01.5	Carcinoma in situ of liver, gallbladder and bile ducts	ICD-10-CM	Diagnosis
D01.7	Carcinoma in situ of other specified digestive organs	ICD-10-CM	Diagnosis
D01.9	Carcinoma in situ of digestive organ, unspecified	ICD-10-CM	Diagnosis
D02.0	Carcinoma in situ of larynx	ICD-10-CM	Diagnosis
D02.1	Carcinoma in situ of trachea	ICD-10-CM	Diagnosis
D02.20	Carcinoma in situ of unspecified bronchus and lung	ICD-10-CM	Diagnosis
D02.21	Carcinoma in situ of right bronchus and lung	ICD-10-CM	Diagnosis
D02.22	Carcinoma in situ of left bronchus and lung	ICD-10-CM	Diagnosis
D02.3	Carcinoma in situ of other parts of respiratory system	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D02.4	Carcinoma in situ of respiratory system, unspecified	ICD-10-CM	Diagnosis
D03.0	Melanoma in situ of lip	ICD-10-CM	Diagnosis
D03.10	Melanoma in situ of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
D03.11	Melanoma in situ of right eyelid, including canthus	ICD-10-CM	Diagnosis
D03.12	Melanoma in situ of left eyelid, including canthus	ICD-10-CM	Diagnosis
D03.20	Melanoma in situ of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
D03.21	Melanoma in situ of right ear and external auricular canal	ICD-10-CM	Diagnosis
D03.22	Melanoma in situ of left ear and external auricular canal	ICD-10-CM	Diagnosis
D03.30	Melanoma in situ of unspecified part of face	ICD-10-CM	Diagnosis
D03.39	Melanoma in situ of other parts of face	ICD-10-CM	Diagnosis
D03.4	Melanoma in situ of scalp and neck	ICD-10-CM	Diagnosis
D03.51	Melanoma in situ of anal skin	ICD-10-CM	Diagnosis
D03.52	Melanoma in situ of breast (skin) (soft tissue)	ICD-10-CM	Diagnosis
D03.59	Melanoma in situ of other part of trunk	ICD-10-CM	Diagnosis
D03.60	Melanoma in situ of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
D03.61	Melanoma in situ of right upper limb, including shoulder	ICD-10-CM	Diagnosis
D03.62	Melanoma in situ of left upper limb, including shoulder	ICD-10-CM	Diagnosis
D03.70	Melanoma in situ of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
D03.71	Melanoma in situ of right lower limb, including hip	ICD-10-CM	Diagnosis
D03.72	Melanoma in situ of left lower limb, including hip	ICD-10-CM	Diagnosis
D03.8	Melanoma in situ of other sites	ICD-10-CM	Diagnosis
D03.9	Melanoma in situ, unspecified	ICD-10-CM	Diagnosis
D04.0	Carcinoma in situ of skin of lip	ICD-10-CM	Diagnosis
D04.10	Carcinoma in situ of skin of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
D04.11	Carcinoma in situ of skin of right eyelid, including canthus	ICD-10-CM	Diagnosis
D04.12	Carcinoma in situ of skin of left eyelid, including canthus	ICD-10-CM	Diagnosis
D04.20	Carcinoma in situ of skin of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
D04.21	Carcinoma in situ of skin of right ear and external auricular canal	ICD-10-CM	Diagnosis
D04.22	Carcinoma in situ of skin of left ear and external auricular canal	ICD-10-CM	Diagnosis
D04.30	Carcinoma in situ of skin of unspecified part of face	ICD-10-CM	Diagnosis
D04.39	Carcinoma in situ of skin of other parts of face	ICD-10-CM	Diagnosis
D04.4	Carcinoma in situ of skin of scalp and neck	ICD-10-CM	Diagnosis
D04.5	Carcinoma in situ of skin of trunk	ICD-10-CM	Diagnosis
D04.60	Carcinoma in situ of skin of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
D04.61	Carcinoma in situ of skin of right upper limb, including shoulder	ICD-10-CM	Diagnosis
D04.62	Carcinoma in situ of skin of left upper limb, including shoulder	ICD-10-CM	Diagnosis
D04.70	Carcinoma in situ of skin of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
D04.71	Carcinoma in situ of skin of right lower limb, including hip	ICD-10-CM	Diagnosis
D04.72	Carcinoma in situ of skin of left lower limb, including hip	ICD-10-CM	Diagnosis
D04.8	Carcinoma in situ of skin of other sites	ICD-10-CM	Diagnosis
D04.9	Carcinoma in situ of skin, unspecified	ICD-10-CM	Diagnosis
D05.00	Lobular carcinoma in situ of unspecified breast	ICD-10-CM	Diagnosis
D05.01	Lobular carcinoma in situ of right breast	ICD-10-CM	Diagnosis
D05.02	Lobular carcinoma in situ of left breast	ICD-10-CM	Diagnosis
D05.10	Intraductal carcinoma in situ of unspecified breast	ICD-10-CM	Diagnosis
D05.11	Intraductal carcinoma in situ of right breast	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D05.12	Intraductal carcinoma in situ of left breast	ICD-10-CM	Diagnosis
D05.80	Other specified type of carcinoma in situ of unspecified breast	ICD-10-CM	Diagnosis
D05.81	Other specified type of carcinoma in situ of right breast	ICD-10-CM	Diagnosis
D05.82	Other specified type of carcinoma in situ of left breast	ICD-10-CM	Diagnosis
D05.90	Unspecified type of carcinoma in situ of unspecified breast	ICD-10-CM	Diagnosis
D05.91	Unspecified type of carcinoma in situ of right breast	ICD-10-CM	Diagnosis
D05.92	Unspecified type of carcinoma in situ of left breast	ICD-10-CM	Diagnosis
D06.0	Carcinoma in situ of endocervix	ICD-10-CM	Diagnosis
D06.1	Carcinoma in situ of exocervix	ICD-10-CM	Diagnosis
D06.7	Carcinoma in situ of other parts of cervix	ICD-10-CM	Diagnosis
D06.9	Carcinoma in situ of cervix, unspecified	ICD-10-CM	Diagnosis
D07.0	Carcinoma in situ of endometrium	ICD-10-CM	Diagnosis
D07.1	Carcinoma in situ of vulva	ICD-10-CM	Diagnosis
D07.2	Carcinoma in situ of vagina	ICD-10-CM	Diagnosis
D07.30	Carcinoma in situ of unspecified female genital organs	ICD-10-CM	Diagnosis
D07.39	Carcinoma in situ of other female genital organs	ICD-10-CM	Diagnosis
D07.4	Carcinoma in situ of penis	ICD-10-CM	Diagnosis
D07.5	Carcinoma in situ of prostate	ICD-10-CM	Diagnosis
D07.60	Carcinoma in situ of unspecified male genital organs	ICD-10-CM	Diagnosis
D07.61	Carcinoma in situ of scrotum	ICD-10-CM	Diagnosis
D07.69	Carcinoma in situ of other male genital organs	ICD-10-CM	Diagnosis
D09.0	Carcinoma in situ of bladder	ICD-10-CM	Diagnosis
D09.10	Carcinoma in situ of unspecified urinary organ	ICD-10-CM	Diagnosis
D09.19	Carcinoma in situ of other urinary organs	ICD-10-CM	Diagnosis
D09.20	Carcinoma in situ of unspecified eye	ICD-10-CM	Diagnosis
D09.21	Carcinoma in situ of right eye	ICD-10-CM	Diagnosis
D09.22	Carcinoma in situ of left eye	ICD-10-CM	Diagnosis
D09.3	Carcinoma in situ of thyroid and other endocrine glands	ICD-10-CM	Diagnosis
D09.8	Carcinoma in situ of other specified sites	ICD-10-CM	Diagnosis
D09.9	Carcinoma in situ, unspecified	ICD-10-CM	Diagnosis
D10.0	Benign neoplasm of lip	ICD-10-CM	Diagnosis
D10.1	Benign neoplasm of tongue	ICD-10-CM	Diagnosis
D10.2	Benign neoplasm of floor of mouth	ICD-10-CM	Diagnosis
D10.30	Benign neoplasm of unspecified part of mouth	ICD-10-CM	Diagnosis
D10.39	Benign neoplasm of other parts of mouth	ICD-10-CM	Diagnosis
D10.4	Benign neoplasm of tonsil	ICD-10-CM	Diagnosis
D10.5	Benign neoplasm of other parts of oropharynx	ICD-10-CM	Diagnosis
D10.6	Benign neoplasm of nasopharynx	ICD-10-CM	Diagnosis
D10.7	Benign neoplasm of hypopharynx	ICD-10-CM	Diagnosis
D10.9	Benign neoplasm of pharynx, unspecified	ICD-10-CM	Diagnosis
D11.0	Benign neoplasm of parotid gland	ICD-10-CM	Diagnosis
D11.7	Benign neoplasm of other major salivary glands	ICD-10-CM	Diagnosis
D11.9	Benign neoplasm of major salivary gland, unspecified	ICD-10-CM	Diagnosis
D12.0	Benign neoplasm of cecum	ICD-10-CM	Diagnosis
D12.1	Benign neoplasm of appendix	ICD-10-CM	Diagnosis
D12.2	Benign neoplasm of ascending colon	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D12.3	Benign neoplasm of transverse colon	ICD-10-CM	Diagnosis
D12.4	Benign neoplasm of descending colon	ICD-10-CM	Diagnosis
D12.5	Benign neoplasm of sigmoid colon	ICD-10-CM	Diagnosis
D12.6	Benign neoplasm of colon, unspecified	ICD-10-CM	Diagnosis
D12.7	Benign neoplasm of rectosigmoid junction	ICD-10-CM	Diagnosis
D12.8	Benign neoplasm of rectum	ICD-10-CM	Diagnosis
D12.9	Benign neoplasm of anus and anal canal	ICD-10-CM	Diagnosis
D13.0	Benign neoplasm of esophagus	ICD-10-CM	Diagnosis
D13.1	Benign neoplasm of stomach	ICD-10-CM	Diagnosis
D13.2	Benign neoplasm of duodenum	ICD-10-CM	Diagnosis
D13.30	Benign neoplasm of unspecified part of small intestine	ICD-10-CM	Diagnosis
D13.39	Benign neoplasm of other parts of small intestine	ICD-10-CM	Diagnosis
D13.4	Benign neoplasm of liver	ICD-10-CM	Diagnosis
D13.5	Benign neoplasm of extrahepatic bile ducts	ICD-10-CM	Diagnosis
D13.6	Benign neoplasm of pancreas	ICD-10-CM	Diagnosis
D13.7	Benign neoplasm of endocrine pancreas	ICD-10-CM	Diagnosis
D13.9	Benign neoplasm of ill-defined sites within the digestive system	ICD-10-CM	Diagnosis
D14.0	Benign neoplasm of middle ear, nasal cavity and accessory sinuses	ICD-10-CM	Diagnosis
D14.1	Benign neoplasm of larynx	ICD-10-CM	Diagnosis
D14.2	Benign neoplasm of trachea	ICD-10-CM	Diagnosis
D14.30	Benign neoplasm of unspecified bronchus and lung	ICD-10-CM	Diagnosis
D14.31	Benign neoplasm of right bronchus and lung	ICD-10-CM	Diagnosis
D14.32	Benign neoplasm of left bronchus and lung	ICD-10-CM	Diagnosis
D14.4	Benign neoplasm of respiratory system, unspecified	ICD-10-CM	Diagnosis
D15.0	Benign neoplasm of thymus	ICD-10-CM	Diagnosis
D15.1	Benign neoplasm of heart	ICD-10-CM	Diagnosis
D15.2	Benign neoplasm of mediastinum	ICD-10-CM	Diagnosis
D15.7	Benign neoplasm of other specified intrathoracic organs	ICD-10-CM	Diagnosis
D15.9	Benign neoplasm of intrathoracic organ, unspecified	ICD-10-CM	Diagnosis
D16.00	Benign neoplasm of scapula and long bones of unspecified upper limb	ICD-10-CM	Diagnosis
D16.01	Benign neoplasm of scapula and long bones of right upper limb	ICD-10-CM	Diagnosis
D16.02	Benign neoplasm of scapula and long bones of left upper limb	ICD-10-CM	Diagnosis
D16.10	Benign neoplasm of short bones of unspecified upper limb	ICD-10-CM	Diagnosis
D16.11	Benign neoplasm of short bones of right upper limb	ICD-10-CM	Diagnosis
D16.12	Benign neoplasm of short bones of left upper limb	ICD-10-CM	Diagnosis
D16.20	Benign neoplasm of long bones of unspecified lower limb	ICD-10-CM	Diagnosis
D16.21	Benign neoplasm of long bones of right lower limb	ICD-10-CM	Diagnosis
D16.22	Benign neoplasm of long bones of left lower limb	ICD-10-CM	Diagnosis
D16.30	Benign neoplasm of short bones of unspecified lower limb	ICD-10-CM	Diagnosis
D16.31	Benign neoplasm of short bones of right lower limb	ICD-10-CM	Diagnosis
D16.32	Benign neoplasm of short bones of left lower limb	ICD-10-CM	Diagnosis
D16.4	Benign neoplasm of bones of skull and face	ICD-10-CM	Diagnosis
D16.5	Benign neoplasm of lower jaw bone	ICD-10-CM	Diagnosis
D16.6	Benign neoplasm of vertebral column	ICD-10-CM	Diagnosis
D16.7	Benign neoplasm of ribs, sternum and clavicle	ICD-10-CM	Diagnosis
D16.8	Benign neoplasm of pelvic bones, sacrum and coccyx	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D16.9	Benign neoplasm of bone and articular cartilage, unspecified	ICD-10-CM	Diagnosis
D17.0	Benign lipomatous neoplasm of skin and subcutaneous tissue of head, face and neck	ICD-10-CM	Diagnosis
D17.1	Benign lipomatous neoplasm of skin and subcutaneous tissue of trunk	ICD-10-CM	Diagnosis
D17.20	Benign lipomatous neoplasm of skin and subcutaneous tissue of unspecified limb	ICD-10-CM	Diagnosis
D17.21	Benign lipomatous neoplasm of skin and subcutaneous tissue of right arm	ICD-10-CM	Diagnosis
D17.22	Benign lipomatous neoplasm of skin and subcutaneous tissue of left arm	ICD-10-CM	Diagnosis
D17.23	Benign lipomatous neoplasm of skin and subcutaneous tissue of right leg	ICD-10-CM	Diagnosis
D17.24	Benign lipomatous neoplasm of skin and subcutaneous tissue of left leg	ICD-10-CM	Diagnosis
D17.30	Benign lipomatous neoplasm of skin and subcutaneous tissue of unspecified sites	ICD-10-CM	Diagnosis
D17.39	Benign lipomatous neoplasm of skin and subcutaneous tissue of other sites	ICD-10-CM	Diagnosis
D17.4	Benign lipomatous neoplasm of intrathoracic organs	ICD-10-CM	Diagnosis
D17.5	Benign lipomatous neoplasm of intra-abdominal organs	ICD-10-CM	Diagnosis
D17.6	Benign lipomatous neoplasm of spermatic cord	ICD-10-CM	Diagnosis
D17.71	Benign lipomatous neoplasm of kidney	ICD-10-CM	Diagnosis
D17.72	Benign lipomatous neoplasm of other genitourinary organ	ICD-10-CM	Diagnosis
D17.79	Benign lipomatous neoplasm of other sites	ICD-10-CM	Diagnosis
D17.9	Benign lipomatous neoplasm, unspecified	ICD-10-CM	Diagnosis
D18.00	Hemangioma unspecified site	ICD-10-CM	Diagnosis
D18.01	Hemangioma of skin and subcutaneous tissue	ICD-10-CM	Diagnosis
D18.02	Hemangioma of intracranial structures	ICD-10-CM	Diagnosis
D18.03	Hemangioma of intra-abdominal structures	ICD-10-CM	Diagnosis
D18.09	Hemangioma of other sites	ICD-10-CM	Diagnosis
D18.1	Lymphangioma, any site	ICD-10-CM	Diagnosis
D19.0	Benign neoplasm of mesothelial tissue of pleura	ICD-10-CM	Diagnosis
D19.1	Benign neoplasm of mesothelial tissue of peritoneum	ICD-10-CM	Diagnosis
D19.7	Benign neoplasm of mesothelial tissue of other sites	ICD-10-CM	Diagnosis
D19.9	Benign neoplasm of mesothelial tissue, unspecified	ICD-10-CM	Diagnosis
D20.0	Benign neoplasm of soft tissue of retroperitoneum	ICD-10-CM	Diagnosis
D20.1	Benign neoplasm of soft tissue of peritoneum	ICD-10-CM	Diagnosis
D21.0	Benign neoplasm of connective and other soft tissue of head, face and neck	ICD-10-CM	Diagnosis
D21.10	Benign neoplasm of connective and other soft tissue of unspecified upper limb,	ICD-10-CM	Diagnosis
D21.11	Benign neoplasm of connective and other soft tissue of right upper limb, including	ICD-10-CM	Diagnosis
D21.12	Benign neoplasm of connective and other soft tissue of left upper limb, including	ICD-10-CM	Diagnosis
D21.20	Benign neoplasm of connective and other soft tissue of unspecified lower limb,	ICD-10-CM	Diagnosis
D21.21	Benign neoplasm of connective and other soft tissue of right lower limb, including hip	ICD-10-CM	Diagnosis
D21.22	Benign neoplasm of connective and other soft tissue of left lower limb, including hip	ICD-10-CM	Diagnosis
D21.3	Benign neoplasm of connective and other soft tissue of thorax	ICD-10-CM	Diagnosis
D21.4	Benign neoplasm of connective and other soft tissue of abdomen	ICD-10-CM	Diagnosis
D21.5	Benign neoplasm of connective and other soft tissue of pelvis	ICD-10-CM	Diagnosis
D21.6	Benign neoplasm of connective and other soft tissue of trunk, unspecified	ICD-10-CM	Diagnosis
D21.9	Benign neoplasm of connective and other soft tissue, unspecified	ICD-10-CM	Diagnosis
D22.0	Melanocytic nevi of lip	ICD-10-CM	Diagnosis
D22.10	Melanocytic nevi of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
D22.11	Melanocytic nevi of right eyelid, including canthus	ICD-10-CM	Diagnosis
D22.12	Melanocytic nevi of left eyelid, including canthus	ICD-10-CM	Diagnosis
D22.20	Melanocytic nevi of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D22.21	Melanocytic nevi of right ear and external auricular canal	ICD-10-CM	Diagnosis
D22.22	Melanocytic nevi of left ear and external auricular canal	ICD-10-CM	Diagnosis
D22.30	Melanocytic nevi of unspecified part of face	ICD-10-CM	Diagnosis
D22.39	Melanocytic nevi of other parts of face	ICD-10-CM	Diagnosis
D22.4	Melanocytic nevi of scalp and neck	ICD-10-CM	Diagnosis
D22.5	Melanocytic nevi of trunk	ICD-10-CM	Diagnosis
D22.60	Melanocytic nevi of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
D22.61	Melanocytic nevi of right upper limb, including shoulder	ICD-10-CM	Diagnosis
D22.62	Melanocytic nevi of left upper limb, including shoulder	ICD-10-CM	Diagnosis
D22.70	Melanocytic nevi of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
D22.71	Melanocytic nevi of right lower limb, including hip	ICD-10-CM	Diagnosis
D22.72	Melanocytic nevi of left lower limb, including hip	ICD-10-CM	Diagnosis
D22.9	Melanocytic nevi, unspecified	ICD-10-CM	Diagnosis
D23.0	Other benign neoplasm of skin of lip	ICD-10-CM	Diagnosis
D23.10	Other benign neoplasm of skin of unspecified eyelid, including canthus	ICD-10-CM	Diagnosis
D23.11	Other benign neoplasm of skin of right eyelid, including canthus	ICD-10-CM	Diagnosis
D23.12	Other benign neoplasm of skin of left eyelid, including canthus	ICD-10-CM	Diagnosis
D23.20	Other benign neoplasm of skin of unspecified ear and external auricular canal	ICD-10-CM	Diagnosis
D23.21	Other benign neoplasm of skin of right ear and external auricular canal	ICD-10-CM	Diagnosis
D23.22	Other benign neoplasm of skin of left ear and external auricular canal	ICD-10-CM	Diagnosis
D23.30	Other benign neoplasm of skin of unspecified part of face	ICD-10-CM	Diagnosis
D23.39	Other benign neoplasm of skin of other parts of face	ICD-10-CM	Diagnosis
D23.4	Other benign neoplasm of skin of scalp and neck	ICD-10-CM	Diagnosis
D23.5	Other benign neoplasm of skin of trunk	ICD-10-CM	Diagnosis
D23.60	Other benign neoplasm of skin of unspecified upper limb, including shoulder	ICD-10-CM	Diagnosis
D23.61	Other benign neoplasm of skin of right upper limb, including shoulder	ICD-10-CM	Diagnosis
D23.62	Other benign neoplasm of skin of left upper limb, including shoulder	ICD-10-CM	Diagnosis
D23.70	Other benign neoplasm of skin of unspecified lower limb, including hip	ICD-10-CM	Diagnosis
D23.71	Other benign neoplasm of skin of right lower limb, including hip	ICD-10-CM	Diagnosis
D23.72	Other benign neoplasm of skin of left lower limb, including hip	ICD-10-CM	Diagnosis
D23.9	Other benign neoplasm of skin, unspecified	ICD-10-CM	Diagnosis
D24.1	Benign neoplasm of right breast	ICD-10-CM	Diagnosis
D24.2	Benign neoplasm of left breast	ICD-10-CM	Diagnosis
D24.9	Benign neoplasm of unspecified breast	ICD-10-CM	Diagnosis
D25.0	Submucous leiomyoma of uterus	ICD-10-CM	Diagnosis
D25.1	Intramural leiomyoma of uterus	ICD-10-CM	Diagnosis
D25.2	Subserosal leiomyoma of uterus	ICD-10-CM	Diagnosis
D25.9	Leiomyoma of uterus, unspecified	ICD-10-CM	Diagnosis
D26.0	Other benign neoplasm of cervix uteri	ICD-10-CM	Diagnosis
D26.1	Other benign neoplasm of corpus uteri	ICD-10-CM	Diagnosis
D26.7	Other benign neoplasm of other parts of uterus	ICD-10-CM	Diagnosis
D26.9	Other benign neoplasm of uterus, unspecified	ICD-10-CM	Diagnosis
D27.0	Benign neoplasm of right ovary	ICD-10-CM	Diagnosis
D27.1	Benign neoplasm of left ovary	ICD-10-CM	Diagnosis
D27.9	Benign neoplasm of unspecified ovary	ICD-10-CM	Diagnosis
D28.0	Benign neoplasm of vulva	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D28.1	Benign neoplasm of vagina	ICD-10-CM	Diagnosis
D28.2	Benign neoplasm of uterine tubes and ligaments	ICD-10-CM	Diagnosis
D28.7	Benign neoplasm of other specified female genital organs	ICD-10-CM	Diagnosis
D28.9	Benign neoplasm of female genital organ, unspecified	ICD-10-CM	Diagnosis
D29.0	Benign neoplasm of penis	ICD-10-CM	Diagnosis
D29.1	Benign neoplasm of prostate	ICD-10-CM	Diagnosis
D29.20	Benign neoplasm of unspecified testis	ICD-10-CM	Diagnosis
D29.21	Benign neoplasm of right testis	ICD-10-CM	Diagnosis
D29.22	Benign neoplasm of left testis	ICD-10-CM	Diagnosis
D29.30	Benign neoplasm of unspecified epididymis	ICD-10-CM	Diagnosis
D29.31	Benign neoplasm of right epididymis	ICD-10-CM	Diagnosis
D29.32	Benign neoplasm of left epididymis	ICD-10-CM	Diagnosis
D29.4	Benign neoplasm of scrotum	ICD-10-CM	Diagnosis
D29.8	Benign neoplasm of other specified male genital organs	ICD-10-CM	Diagnosis
D29.9	Benign neoplasm of male genital organ, unspecified	ICD-10-CM	Diagnosis
D30.00	Benign neoplasm of unspecified kidney	ICD-10-CM	Diagnosis
D30.01	Benign neoplasm of right kidney	ICD-10-CM	Diagnosis
D30.02	Benign neoplasm of left kidney	ICD-10-CM	Diagnosis
D30.10	Benign neoplasm of unspecified renal pelvis	ICD-10-CM	Diagnosis
D30.11	Benign neoplasm of right renal pelvis	ICD-10-CM	Diagnosis
D30.12	Benign neoplasm of left renal pelvis	ICD-10-CM	Diagnosis
D30.20	Benign neoplasm of unspecified ureter	ICD-10-CM	Diagnosis
D30.21	Benign neoplasm of right ureter	ICD-10-CM	Diagnosis
D30.22	Benign neoplasm of left ureter	ICD-10-CM	Diagnosis
D30.3	Benign neoplasm of bladder	ICD-10-CM	Diagnosis
D30.4	Benign neoplasm of urethra	ICD-10-CM	Diagnosis
D30.8	Benign neoplasm of other specified urinary organs	ICD-10-CM	Diagnosis
D30.9	Benign neoplasm of urinary organ, unspecified	ICD-10-CM	Diagnosis
D31.00	Benign neoplasm of unspecified conjunctiva	ICD-10-CM	Diagnosis
D31.01	Benign neoplasm of right conjunctiva	ICD-10-CM	Diagnosis
D31.02	Benign neoplasm of left conjunctiva	ICD-10-CM	Diagnosis
D31.10	Benign neoplasm of unspecified cornea	ICD-10-CM	Diagnosis
D31.11	Benign neoplasm of right cornea	ICD-10-CM	Diagnosis
D31.12	Benign neoplasm of left cornea	ICD-10-CM	Diagnosis
D31.20	Benign neoplasm of unspecified retina	ICD-10-CM	Diagnosis
D31.21	Benign neoplasm of right retina	ICD-10-CM	Diagnosis
D31.22	Benign neoplasm of left retina	ICD-10-CM	Diagnosis
D31.30	Benign neoplasm of unspecified choroid	ICD-10-CM	Diagnosis
D31.31	Benign neoplasm of right choroid	ICD-10-CM	Diagnosis
D31.32	Benign neoplasm of left choroid	ICD-10-CM	Diagnosis
D31.40	Benign neoplasm of unspecified ciliary body	ICD-10-CM	Diagnosis
D31.41	Benign neoplasm of right ciliary body	ICD-10-CM	Diagnosis
D31.42	Benign neoplasm of left ciliary body	ICD-10-CM	Diagnosis
D31.50	Benign neoplasm of unspecified lacrimal gland and duct	ICD-10-CM	Diagnosis
D31.51	Benign neoplasm of right lacrimal gland and duct	ICD-10-CM	Diagnosis
D31.52	Benign neoplasm of left lacrimal gland and duct	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D31.60	Benign neoplasm of unspecified site of unspecified orbit	ICD-10-CM	Diagnosis
D31.61	Benign neoplasm of unspecified site of right orbit	ICD-10-CM	Diagnosis
D31.62	Benign neoplasm of unspecified site of left orbit	ICD-10-CM	Diagnosis
D31.90	Benign neoplasm of unspecified part of unspecified eye	ICD-10-CM	Diagnosis
D31.91	Benign neoplasm of unspecified part of right eye	ICD-10-CM	Diagnosis
D31.92	Benign neoplasm of unspecified part of left eye	ICD-10-CM	Diagnosis
D32.0	Benign neoplasm of cerebral meninges	ICD-10-CM	Diagnosis
D32.1	Benign neoplasm of spinal meninges	ICD-10-CM	Diagnosis
D32.9	Benign neoplasm of meninges, unspecified	ICD-10-CM	Diagnosis
D33.0	Benign neoplasm of brain, supratentorial	ICD-10-CM	Diagnosis
D33.1	Benign neoplasm of brain, infratentorial	ICD-10-CM	Diagnosis
D33.2	Benign neoplasm of brain, unspecified	ICD-10-CM	Diagnosis
D33.3	Benign neoplasm of cranial nerves	ICD-10-CM	Diagnosis
D33.4	Benign neoplasm of spinal cord	ICD-10-CM	Diagnosis
D33.7	Benign neoplasm of other specified parts of central nervous system	ICD-10-CM	Diagnosis
D33.9	Benign neoplasm of central nervous system, unspecified	ICD-10-CM	Diagnosis
D34	Benign neoplasm of thyroid gland	ICD-10-CM	Diagnosis
D35.00	Benign neoplasm of unspecified adrenal gland	ICD-10-CM	Diagnosis
D35.01	Benign neoplasm of right adrenal gland	ICD-10-CM	Diagnosis
D35.02	Benign neoplasm of left adrenal gland	ICD-10-CM	Diagnosis
D35.1	Benign neoplasm of parathyroid gland	ICD-10-CM	Diagnosis
D35.2	Benign neoplasm of pituitary gland	ICD-10-CM	Diagnosis
D35.3	Benign neoplasm of craniopharyngeal duct	ICD-10-CM	Diagnosis
D35.4	Benign neoplasm of pineal gland	ICD-10-CM	Diagnosis
D35.5	Benign neoplasm of carotid body	ICD-10-CM	Diagnosis
D35.6	Benign neoplasm of aortic body and other paraganglia	ICD-10-CM	Diagnosis
D35.7	Benign neoplasm of other specified endocrine glands	ICD-10-CM	Diagnosis
D35.9	Benign neoplasm of endocrine gland, unspecified	ICD-10-CM	Diagnosis
D36.0	Benign neoplasm of lymph nodes	ICD-10-CM	Diagnosis
D36.10	Benign neoplasm of peripheral nerves and autonomic nervous system, unspecified	ICD-10-CM	Diagnosis
D36.11	Benign neoplasm of peripheral nerves and autonomic nervous system of face, head, and neck	ICD-10-CM	Diagnosis
D36.12	Benign neoplasm of peripheral nerves and autonomic nervous system, upper limb, including shoulder	ICD-10-CM	Diagnosis
D36.13	Benign neoplasm of peripheral nerves and autonomic nervous system of lower limb, including hip	ICD-10-CM	Diagnosis
D36.14	Benign neoplasm of peripheral nerves and autonomic nervous system of thorax	ICD-10-CM	Diagnosis
D36.15	Benign neoplasm of peripheral nerves and autonomic nervous system of abdomen	ICD-10-CM	Diagnosis
D36.16	Benign neoplasm of peripheral nerves and autonomic nervous system of pelvis	ICD-10-CM	Diagnosis
D36.17	Benign neoplasm of peripheral nerves and autonomic nervous system of trunk, unspecified	ICD-10-CM	Diagnosis
D36.7	Benign neoplasm of other specified sites	ICD-10-CM	Diagnosis
D36.9	Benign neoplasm, unspecified site	ICD-10-CM	Diagnosis
D37.01	Neoplasm of uncertain behavior of lip	ICD-10-CM	Diagnosis
D37.02	Neoplasm of uncertain behavior of tongue	ICD-10-CM	Diagnosis
D37.030	Neoplasm of uncertain behavior of the parotid salivary glands	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D37.031	Neoplasm of uncertain behavior of the sublingual salivary glands	ICD-10-CM	Diagnosis
D37.032	Neoplasm of uncertain behavior of the submandibular salivary glands	ICD-10-CM	Diagnosis
D37.039	Neoplasm of uncertain behavior of the major salivary glands, unspecified	ICD-10-CM	Diagnosis
D37.04	Neoplasm of uncertain behavior of the minor salivary glands	ICD-10-CM	Diagnosis
D37.05	Neoplasm of uncertain behavior of pharynx	ICD-10-CM	Diagnosis
D37.09	Neoplasm of uncertain behavior of other specified sites of the oral cavity	ICD-10-CM	Diagnosis
D37.1	Neoplasm of uncertain behavior of stomach	ICD-10-CM	Diagnosis
D37.2	Neoplasm of uncertain behavior of small intestine	ICD-10-CM	Diagnosis
D37.3	Neoplasm of uncertain behavior of appendix	ICD-10-CM	Diagnosis
D37.4	Neoplasm of uncertain behavior of colon	ICD-10-CM	Diagnosis
D37.5	Neoplasm of uncertain behavior of rectum	ICD-10-CM	Diagnosis
D37.6	Neoplasm of uncertain behavior of liver, gallbladder and bile ducts	ICD-10-CM	Diagnosis
D37.8	Neoplasm of uncertain behavior of other specified digestive organs	ICD-10-CM	Diagnosis
D37.9	Neoplasm of uncertain behavior of digestive organ, unspecified	ICD-10-CM	Diagnosis
D38.0	Neoplasm of uncertain behavior of larynx	ICD-10-CM	Diagnosis
D38.1	Neoplasm of uncertain behavior of trachea, bronchus and lung	ICD-10-CM	Diagnosis
D38.2	Neoplasm of uncertain behavior of pleura	ICD-10-CM	Diagnosis
D38.3	Neoplasm of uncertain behavior of mediastinum	ICD-10-CM	Diagnosis
D38.4	Neoplasm of uncertain behavior of thymus	ICD-10-CM	Diagnosis
D38.5	Neoplasm of uncertain behavior of other respiratory organs	ICD-10-CM	Diagnosis
D38.6	Neoplasm of uncertain behavior of respiratory organ, unspecified	ICD-10-CM	Diagnosis
D39.0	Neoplasm of uncertain behavior of uterus	ICD-10-CM	Diagnosis
D39.10	Neoplasm of uncertain behavior of unspecified ovary	ICD-10-CM	Diagnosis
D39.11	Neoplasm of uncertain behavior of right ovary	ICD-10-CM	Diagnosis
D39.12	Neoplasm of uncertain behavior of left ovary	ICD-10-CM	Diagnosis
D39.2	Neoplasm of uncertain behavior of placenta	ICD-10-CM	Diagnosis
D39.8	Neoplasm of uncertain behavior of other specified female genital organs	ICD-10-CM	Diagnosis
D39.9	Neoplasm of uncertain behavior of female genital organ, unspecified	ICD-10-CM	Diagnosis
D3A.00	Benign carcinoid tumor of unspecified site	ICD-10-CM	Diagnosis
D3A.010	Benign carcinoid tumor of the duodenum	ICD-10-CM	Diagnosis
D3A.011	Benign carcinoid tumor of the jejunum	ICD-10-CM	Diagnosis
D3A.012	Benign carcinoid tumor of the ileum	ICD-10-CM	Diagnosis
D3A.019	Benign carcinoid tumor of the small intestine, unspecified portion	ICD-10-CM	Diagnosis
D3A.020	Benign carcinoid tumor of the appendix	ICD-10-CM	Diagnosis
D3A.021	Benign carcinoid tumor of the cecum	ICD-10-CM	Diagnosis
D3A.022	Benign carcinoid tumor of the ascending colon	ICD-10-CM	Diagnosis
D3A.023	Benign carcinoid tumor of the transverse colon	ICD-10-CM	Diagnosis
D3A.024	Benign carcinoid tumor of the descending colon	ICD-10-CM	Diagnosis
D3A.025	Benign carcinoid tumor of the sigmoid colon	ICD-10-CM	Diagnosis
D3A.026	Benign carcinoid tumor of the rectum	ICD-10-CM	Diagnosis
D3A.029	Benign carcinoid tumor of the large intestine, unspecified portion	ICD-10-CM	Diagnosis
D3A.090	Benign carcinoid tumor of the bronchus and lung	ICD-10-CM	Diagnosis
D3A.091	Benign carcinoid tumor of the thymus	ICD-10-CM	Diagnosis
D3A.092	Benign carcinoid tumor of the stomach	ICD-10-CM	Diagnosis
D3A.093	Benign carcinoid tumor of the kidney	ICD-10-CM	Diagnosis
D3A.094	Benign carcinoid tumor of the foregut, unspecified	ICD-10-CM	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D3A.095	Benign carcinoid tumor of the midgut, unspecified	ICD-10-CM	Diagnosis
D3A.096	Benign carcinoid tumor of the hindgut, unspecified	ICD-10-CM	Diagnosis
D3A.098	Benign carcinoid tumors of other sites	ICD-10-CM	Diagnosis
D3A.8	Other benign neuroendocrine tumors	ICD-10-CM	Diagnosis
D40.0	Neoplasm of uncertain behavior of prostate	ICD-10-CM	Diagnosis
D40.10	Neoplasm of uncertain behavior of unspecified testis	ICD-10-CM	Diagnosis
D40.11	Neoplasm of uncertain behavior of right testis	ICD-10-CM	Diagnosis
D40.12	Neoplasm of uncertain behavior of left testis	ICD-10-CM	Diagnosis
D40.8	Neoplasm of uncertain behavior of other specified male genital organs	ICD-10-CM	Diagnosis
D40.9	Neoplasm of uncertain behavior of male genital organ, unspecified	ICD-10-CM	Diagnosis
D41.00	Neoplasm of uncertain behavior of unspecified kidney	ICD-10-CM	Diagnosis
D41.01	Neoplasm of uncertain behavior of right kidney	ICD-10-CM	Diagnosis
D41.02	Neoplasm of uncertain behavior of left kidney	ICD-10-CM	Diagnosis
D41.10	Neoplasm of uncertain behavior of unspecified renal pelvis	ICD-10-CM	Diagnosis
D41.11	Neoplasm of uncertain behavior of right renal pelvis	ICD-10-CM	Diagnosis
D41.12	Neoplasm of uncertain behavior of left renal pelvis	ICD-10-CM	Diagnosis
D41.20	Neoplasm of uncertain behavior of unspecified ureter	ICD-10-CM	Diagnosis
D41.21	Neoplasm of uncertain behavior of right ureter	ICD-10-CM	Diagnosis
D41.22	Neoplasm of uncertain behavior of left ureter	ICD-10-CM	Diagnosis
D41.3	Neoplasm of uncertain behavior of urethra	ICD-10-CM	Diagnosis
D41.4	Neoplasm of uncertain behavior of bladder	ICD-10-CM	Diagnosis
D41.8	Neoplasm of uncertain behavior of other specified urinary organs	ICD-10-CM	Diagnosis
D41.9	Neoplasm of uncertain behavior of unspecified urinary organ	ICD-10-CM	Diagnosis
D42.0	Neoplasm of uncertain behavior of cerebral meninges	ICD-10-CM	Diagnosis
D42.1	Neoplasm of uncertain behavior of spinal meninges	ICD-10-CM	Diagnosis
D42.9	Neoplasm of uncertain behavior of meninges, unspecified	ICD-10-CM	Diagnosis
D43.0	Neoplasm of uncertain behavior of brain, supratentorial	ICD-10-CM	Diagnosis
D43.1	Neoplasm of uncertain behavior of brain, infratentorial	ICD-10-CM	Diagnosis
D43.2	Neoplasm of uncertain behavior of brain, unspecified	ICD-10-CM	Diagnosis
D43.3	Neoplasm of uncertain behavior of cranial nerves	ICD-10-CM	Diagnosis
D43.4	Neoplasm of uncertain behavior of spinal cord	ICD-10-CM	Diagnosis
D43.8	Neoplasm of uncertain behavior of other specified parts of central nervous system	ICD-10-CM	Diagnosis
D43.9	Neoplasm of uncertain behavior of central nervous system, unspecified	ICD-10-CM	Diagnosis
D44.0	Neoplasm of uncertain behavior of thyroid gland	ICD-10-CM	Diagnosis
D44.10	Neoplasm of uncertain behavior of unspecified adrenal gland	ICD-10-CM	Diagnosis
D44.11	Neoplasm of uncertain behavior of right adrenal gland	ICD-10-CM	Diagnosis
D44.12	Neoplasm of uncertain behavior of left adrenal gland	ICD-10-CM	Diagnosis
D44.2	Neoplasm of uncertain behavior of parathyroid gland	ICD-10-CM	Diagnosis
D44.3	Neoplasm of uncertain behavior of pituitary gland	ICD-10-CM	Diagnosis
D44.4	Neoplasm of uncertain behavior of craniopharyngeal duct	ICD-10-CM	Diagnosis
D44.5	Neoplasm of uncertain behavior of pineal gland	ICD-10-CM	Diagnosis
D44.6	Neoplasm of uncertain behavior of carotid body	ICD-10-CM	Diagnosis
D44.7	Neoplasm of uncertain behavior of aortic body and other paraganglia	ICD-10-CM	Diagnosis
D44.9	Neoplasm of uncertain behavior of unspecified endocrine gland	ICD-10-CM	Diagnosis
D45	Polycythemia vera	ICD-10-CM	Diagnosis
D46.0	Refractory anemia without ring sideroblasts, so stated	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D46.1	Refractory anemia with ring sideroblasts	ICD-10-CM	Diagnosis
D46.20	Refractory anemia with excess of blasts, unspecified	ICD-10-CM	Diagnosis
D46.21	Refractory anemia with excess of blasts 1	ICD-10-CM	Diagnosis
D46.22	Refractory anemia with excess of blasts 2	ICD-10-CM	Diagnosis
D46.4	Refractory anemia, unspecified	ICD-10-CM	Diagnosis
D46.9	Myelodysplastic syndrome, unspecified	ICD-10-CM	Diagnosis
D46.A	Refractory cytopenia with multilineage dysplasia	ICD-10-CM	Diagnosis
D46.B	Refractory cytopenia with multilineage dysplasia and ring sideroblasts	ICD-10-CM	Diagnosis
D46.C	Myelodysplastic syndrome with isolated del(5q) chromosomal abnormality	ICD-10-CM	Diagnosis
D46.Z	Other myelodysplastic syndromes	ICD-10-CM	Diagnosis
D47.01	Cutaneous mastocytosis	ICD-10-CM	Diagnosis
D47.02	Systemic mastocytosis	ICD-10-CM	Diagnosis
D47.09	Other mast cell neoplasms of uncertain behavior	ICD-10-CM	Diagnosis
D47.1	Chronic myeloproliferative disease	ICD-10-CM	Diagnosis
D47.3	Essential (hemorrhagic) thrombocythemia	ICD-10-CM	Diagnosis
D47.9	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified	ICD-10-CM	Diagnosis
D47.Z1	Post-transplant lymphoproliferative disorder (PTLD)	ICD-10-CM	Diagnosis
D47.Z2	Castleman disease	ICD-10-CM	Diagnosis
D47.Z9	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue	ICD-10-CM	Diagnosis
D48.0	Neoplasm of uncertain behavior of bone and articular cartilage	ICD-10-CM	Diagnosis
D48.1	Neoplasm of uncertain behavior of connective and other soft tissue	ICD-10-CM	Diagnosis
D48.2	Neoplasm of uncertain behavior of peripheral nerves and autonomic nervous system	ICD-10-CM	Diagnosis
D48.3	Neoplasm of uncertain behavior of retroperitoneum	ICD-10-CM	Diagnosis
D48.4	Neoplasm of uncertain behavior of peritoneum	ICD-10-CM	Diagnosis
D48.5	Neoplasm of uncertain behavior of skin	ICD-10-CM	Diagnosis
D48.60	Neoplasm of uncertain behavior of unspecified breast	ICD-10-CM	Diagnosis
D48.61	Neoplasm of uncertain behavior of right breast	ICD-10-CM	Diagnosis
D48.62	Neoplasm of uncertain behavior of left breast	ICD-10-CM	Diagnosis
D48.7	Neoplasm of uncertain behavior of other specified sites	ICD-10-CM	Diagnosis
D48.9	Neoplasm of uncertain behavior, unspecified	ICD-10-CM	Diagnosis
D49.0	Neoplasm of unspecified behavior of digestive system	ICD-10-CM	Diagnosis
D49.1	Neoplasm of unspecified behavior of respiratory system	ICD-10-CM	Diagnosis
D49.2	Neoplasm of unspecified behavior of bone, soft tissue, and skin	ICD-10-CM	Diagnosis
D49.3	Neoplasm of unspecified behavior of breast	ICD-10-CM	Diagnosis
D49.4	Neoplasm of unspecified behavior of bladder	ICD-10-CM	Diagnosis
D49.511	Neoplasm of unspecified behavior of right kidney	ICD-10-CM	Diagnosis
D49.512	Neoplasm of unspecified behavior of left kidney	ICD-10-CM	Diagnosis
D49.519	Neoplasm of unspecified behavior of unspecified kidney	ICD-10-CM	Diagnosis
D49.59	Neoplasm of unspecified behavior of other genitourinary organ	ICD-10-CM	Diagnosis
D49.6	Neoplasm of unspecified behavior of brain	ICD-10-CM	Diagnosis
D49.7	Neoplasm of unspecified behavior of endocrine glands and other parts of nervous system	ICD-10-CM	Diagnosis
D49.81	Neoplasm of unspecified behavior of retina and choroid	ICD-10-CM	Diagnosis
D49.89	Neoplasm of unspecified behavior of other specified sites	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D49.9	Neoplasm of unspecified behavior of unspecified site	ICD-10-CM	Diagnosis
H47.42	Disorders of optic chiasm in (due to) neoplasm	ICD-10-CM	Diagnosis
H47.49	Disorders of optic chiasm in (due to) other disorders	ICD-10-CM	Diagnosis
H47.521	Disorders of visual pathways in (due to) neoplasm, right side	ICD-10-CM	Diagnosis
H47.522	Disorders of visual pathways in (due to) neoplasm, left side	ICD-10-CM	Diagnosis
H47.529	Disorders of visual pathways in (due to) neoplasm, unspecified side	ICD-10-CM	Diagnosis
H47.631	Disorders of visual cortex in (due to) neoplasm, right side of brain	ICD-10-CM	Diagnosis
H47.632	Disorders of visual cortex in (due to) neoplasm, left side of brain	ICD-10-CM	Diagnosis
H47.639	Disorders of visual cortex in (due to) neoplasm, unspecified side of brain	ICD-10-CM	Diagnosis
K31.7	Polyp of stomach and duodenum	ICD-10-CM	Diagnosis
K63.5	Polyp of colon	ICD-10-CM	Diagnosis
Q85.00	Neurofibromatosis, unspecified	ICD-10-CM	Diagnosis
Q85.01	Neurofibromatosis, type 1	ICD-10-CM	Diagnosis
Q85.02	Neurofibromatosis, type 2	ICD-10-CM	Diagnosis
Q85.03	Schwannomatosis	ICD-10-CM	Diagnosis
Q85.09	Other neurofibromatosis	ICD-10-CM	Diagnosis
<b>Cardiovascular disease (myocardial infarction, stroke, heart failure, angina, or transient ischemic attack)</b>			
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	ICD-9-CM	Diagnosis
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	ICD-9-CM	Diagnosis
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	ICD-9-CM	Diagnosis
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	ICD-9-CM	Diagnosis
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	ICD-9-CM	Diagnosis
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	ICD-9-CM	Diagnosis
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	ICD-9-CM	Diagnosis
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	ICD-9-CM	Diagnosis
410.81	Acute myocardial infarction of other specified sites, initial episode of care	ICD-9-CM	Diagnosis
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	ICD-9-CM	Diagnosis
410.91	Acute myocardial infarction, unspecified site, initial episode of care	ICD-9-CM	Diagnosis
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	ICD-10-CM	Diagnosis
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	ICD-10-CM	Diagnosis
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	ICD-10-CM	Diagnosis
I21.29	ST elevation (STEMI) myocardial infarction involving other sites	ICD-10-CM	Diagnosis
I21.4	Non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	ICD-10-CM	Diagnosis
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	ICD-10-CM	Diagnosis
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	ICD-10-CM	Diagnosis
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	ICD-10-CM	Diagnosis
I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites	ICD-10-CM	Diagnosis
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM	Diagnosis
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	ICD-10-CM	Diagnosis
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	ICD-9-CM	Diagnosis
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	ICD-9-CM	Diagnosis
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	ICD-9-CM	Diagnosis
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	ICD-9-CM	Diagnosis
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	ICD-9-CM	Diagnosis
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	ICD-9-CM	Diagnosis
434.01	Cerebral thrombosis with cerebral infarction	ICD-9-CM	Diagnosis
434.11	Cerebral embolism with cerebral infarction	ICD-9-CM	Diagnosis
434.91	Unspecified cerebral artery occlusion with cerebral infarction	ICD-9-CM	Diagnosis
436	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM	Diagnosis
I63.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries	ICD-10-CM	Diagnosis
I63.139	Cerebral infarction due to embolism of unspecified carotid artery	ICD-10-CM	Diagnosis
I63.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-10-CM	Diagnosis
I63.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-10-CM	Diagnosis
I63.119	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-10-CM	Diagnosis
I63.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-10-CM	Diagnosis
I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-10-CM	Diagnosis
I63.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-10-CM	Diagnosis
I63.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-10-CM	Diagnosis
I63.40	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-10-CM	Diagnosis
I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-10-CM	Diagnosis
I67.89	Other cerebrovascular disease	ICD-10-CM	Diagnosis
I63.00	Cerebral infarction due to thrombosis of unspecified precerebral artery	ICD-10-CM	Diagnosis
I63.011	Cerebral infarction due to thrombosis of right vertebral artery	ICD-10-CM	Diagnosis
I63.012	Cerebral infarction due to thrombosis of left vertebral artery	ICD-10-CM	Diagnosis
I63.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	ICD-10-CM	Diagnosis
I63.02	Cerebral infarction due to thrombosis of basilar artery	ICD-10-CM	Diagnosis
I63.031	Cerebral infarction due to thrombosis of right carotid artery	ICD-10-CM	Diagnosis
I63.032	Cerebral infarction due to thrombosis of left carotid artery	ICD-10-CM	Diagnosis
I63.033	Cerebral infarction due to thrombosis of bilateral carotid arteries	ICD-10-CM	Diagnosis
I63.039	Cerebral infarction due to thrombosis of unspecified carotid artery	ICD-10-CM	Diagnosis
I63.09	Cerebral infarction due to thrombosis of other precerebral artery	ICD-10-CM	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I63.10	Cerebral infarction due to embolism of unspecified precerebral artery	ICD-10-CM	Diagnosis
I63.111	Cerebral infarction due to embolism of right vertebral artery	ICD-10-CM	Diagnosis
I63.112	Cerebral infarction due to embolism of left vertebral artery	ICD-10-CM	Diagnosis
I63.113	Cerebral infarction due to embolism of bilateral vertebral arteries	ICD-10-CM	Diagnosis
I63.12	Cerebral infarction due to embolism of basilar artery	ICD-10-CM	Diagnosis
I63.131	Cerebral infarction due to embolism of right carotid artery	ICD-10-CM	Diagnosis
I63.132	Cerebral infarction due to embolism of left carotid artery	ICD-10-CM	Diagnosis
I63.133	Cerebral infarction due to embolism of bilateral carotid arteries	ICD-10-CM	Diagnosis
I63.19	Cerebral infarction due to embolism of other precerebral artery	ICD-10-CM	Diagnosis
I63.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries	ICD-10-CM	Diagnosis
I63.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries	ICD-10-CM	Diagnosis
I63.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral	ICD-10-CM	Diagnosis
I63.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	ICD-10-CM	Diagnosis
I63.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	ICD-10-CM	Diagnosis
I63.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	ICD-10-CM	Diagnosis
I63.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	ICD-10-CM	Diagnosis
I63.311	Cerebral infarction due to thrombosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.312	Cerebral infarction due to thrombosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
I63.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.323	Cerebral infarction due to thrombosis of bilateral anterior arteries	ICD-10-CM	Diagnosis
I63.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.333	Cerebral infarction to thrombosis of bilateral posterior arteries	ICD-10-CM	Diagnosis
I63.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.341	Cerebral infarction due to thrombosis of right cerebellar artery	ICD-10-CM	Diagnosis
I63.342	Cerebral infarction due to thrombosis of left cerebellar artery	ICD-10-CM	Diagnosis
I63.343	Cerebral infarction to thrombosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.39	Cerebral infarction due to thrombosis of other cerebral artery	ICD-10-CM	Diagnosis
I63.411	Cerebral infarction due to embolism of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.412	Cerebral infarction due to embolism of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
I63.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.421	Cerebral infarction due to embolism of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.422	Cerebral infarction due to embolism of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis
I63.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.431	Cerebral infarction due to embolism of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.432	Cerebral infarction due to embolism of left posterior cerebral artery	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I63.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.441	Cerebral infarction due to embolism of right cerebellar artery	ICD-10-CM	Diagnosis
I63.442	Cerebral infarction due to embolism of left cerebellar artery	ICD-10-CM	Diagnosis
I63.443	Cerebral infarction due to embolism of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.49	Cerebral infarction due to embolism of other cerebral artery	ICD-10-CM	Diagnosis
I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries	ICD-10-CM	Diagnosis
I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries	ICD-10-CM	Diagnosis
I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries	ICD-10-CM	Diagnosis
I63.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	ICD-10-CM	Diagnosis
I63.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	ICD-10-CM	Diagnosis
I63.543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	ICD-10-CM	Diagnosis
I63.8	Other cerebral infarction	ICD-10-CM	Diagnosis
I63.9	Cerebral infarction, unspecified	ICD-10-CM	Diagnosis
402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
428	Heart failure	ICD-9-CM	Diagnosis
428.0	Congestive heart failure, unspecified	ICD-9-CM	Diagnosis
428.1	Left heart failure	ICD-9-CM	Diagnosis
428.2	Systolic heart failure	ICD-9-CM	Diagnosis
428.20	Unspecified systolic heart failure	ICD-9-CM	Diagnosis
428.21	Acute systolic heart failure	ICD-9-CM	Diagnosis
428.22	Chronic systolic heart failure	ICD-9-CM	Diagnosis
428.23	Acute on chronic systolic heart failure	ICD-9-CM	Diagnosis
428.3	Diastolic heart failure	ICD-9-CM	Diagnosis
428.30	Unspecified diastolic heart failure	ICD-9-CM	Diagnosis
428.31	Acute diastolic heart failure	ICD-9-CM	Diagnosis
428.32	Chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.33	Acute on chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.4	Combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.40	Unspecified combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.41	Acute combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.42	Chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.43	Acute on chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.9	Unspecified heart failure	ICD-9-CM	Diagnosis
I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I50.1	Left ventricular failure, unspecified	ICD-10-CM	Diagnosis
I50.20	Unspecified systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.21	Acute systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.22	Chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.23	Acute on chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.30	Unspecified diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.31	Acute diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.32	Chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.33	Acute on chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.810	Right heart failure, unspecified	ICD-10-CM	Diagnosis
I50.811	Acute right heart failure	ICD-10-CM	Diagnosis
I50.812	Chronic right heart failure	ICD-10-CM	Diagnosis
I50.813	Acute on chronic right heart failure	ICD-10-CM	Diagnosis
I50.814	Right heart failure due to left heart failure	ICD-10-CM	Diagnosis
I50.82	Biventricular heart failure	ICD-10-CM	Diagnosis
I50.83	High output heart failure	ICD-10-CM	Diagnosis
I50.84	End stage heart failure	ICD-10-CM	Diagnosis
I50.89	Other heart failure	ICD-10-CM	Diagnosis
I50.9	Heart failure, unspecified	ICD-10-CM	Diagnosis
411.1	Intermediate coronary syndrome	ICD-10-CM	Diagnosis
I20.0	Unstable angina	ICD-10-CM	Diagnosis
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina	ICD-10-CM	Diagnosis
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	ICD-10-CM	Diagnosis
I25.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
430	Subarachnoid hemorrhage	ICD-9-CM	Diagnosis
431	Intracerebral hemorrhage	ICD-9-CM	Diagnosis
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	ICD-9-CM	Diagnosis
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	ICD-9-CM	Diagnosis
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	ICD-9-CM	Diagnosis
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	ICD-9-CM	Diagnosis
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	ICD-9-CM	Diagnosis
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	ICD-9-CM	Diagnosis
434.00	Cerebral thrombosis without mention of cerebral infarction	ICD-9-CM	Diagnosis
434.01	Cerebral thrombosis with cerebral infarction	ICD-9-CM	Diagnosis
434.10	Cerebral embolism without mention of cerebral infarction	ICD-9-CM	Diagnosis
434.11	Cerebral embolism with cerebral infarction	ICD-9-CM	Diagnosis
434.90	Unspecified cerebral artery occlusion without mention of cerebral infarction	ICD-9-CM	Diagnosis
434.91	Unspecified cerebral artery occlusion with cerebral infarction	ICD-9-CM	Diagnosis
435.0	Basilar artery syndrome	ICD-9-CM	Diagnosis
435.1	Vertebral artery syndrome	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
435.3	Vertebrobasilar artery syndrome	ICD-9-CM	Diagnosis
435.8	Other specified transient cerebral ischemias	ICD-9-CM	Diagnosis
435.9	Unspecified transient cerebral ischemia	ICD-9-CM	Diagnosis
436	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM	Diagnosis
997.02	Iatrogenic cerebrovascular infarction or hemorrhage	ICD-9-CM	Diagnosis
G45.0	Vertebro-basilar artery syndrome	ICD-10-CM	Diagnosis
G45.1	Carotid artery syndrome (hemispheric)	ICD-10-CM	Diagnosis
G45.2	Multiple and bilateral precerebral artery syndromes	ICD-10-CM	Diagnosis
G45.8	Other transient cerebral ischemic attacks and related syndromes	ICD-10-CM	Diagnosis
G45.9	Transient cerebral ischemic attack, unspecified	ICD-10-CM	Diagnosis
G46.0	Middle cerebral artery syndrome	ICD-10-CM	Diagnosis
G46.1	Anterior cerebral artery syndrome	ICD-10-CM	Diagnosis
G46.2	Posterior cerebral artery syndrome	ICD-10-CM	Diagnosis
G46.3	Brain stem stroke syndrome	ICD-10-CM	Diagnosis
G46.4	Cerebellar stroke syndrome	ICD-10-CM	Diagnosis
G46.5	Pure motor lacunar syndrome	ICD-10-CM	Diagnosis
G46.6	Pure sensory lacunar syndrome	ICD-10-CM	Diagnosis
G46.7	Other lacunar syndromes	ICD-10-CM	Diagnosis
G46.8	Other vascular syndromes of brain in cerebrovascular diseases	ICD-10-CM	Diagnosis
G97.31	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating a nervous system procedure	ICD-10-CM	Diagnosis
G97.32	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating other procedure	ICD-10-CM	Diagnosis
I60.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I60.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	ICD-10-CM	Diagnosis
I60.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	ICD-10-CM	Diagnosis
I60.20	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating	ICD-10-CM	Diagnosis
I60.21	Nontraumatic subarachnoid hemorrhage from right anterior communicating artery	ICD-10-CM	Diagnosis
I60.22	Nontraumatic subarachnoid hemorrhage from left anterior communicating artery	ICD-10-CM	Diagnosis
I60.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating	ICD-10-CM	Diagnosis
I60.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	ICD-10-CM	Diagnosis
I60.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	ICD-10-CM	Diagnosis
I60.4	Nontraumatic subarachnoid hemorrhage from basilar artery	ICD-10-CM	Diagnosis
I60.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	ICD-10-CM	Diagnosis
I60.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery	ICD-10-CM	Diagnosis
I60.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery	ICD-10-CM	Diagnosis
I60.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	ICD-10-CM	Diagnosis
I60.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	ICD-10-CM	Diagnosis
I60.8	Other nontraumatic subarachnoid hemorrhage	ICD-10-CM	Diagnosis
I60.9	Nontraumatic subarachnoid hemorrhage, unspecified	ICD-10-CM	Diagnosis
I61.0	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	ICD-10-CM	Diagnosis
I61.1	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I61.2	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	ICD-10-CM	Diagnosis
I61.3	Nontraumatic intracerebral hemorrhage in brain stem	ICD-10-CM	Diagnosis
I61.4	Nontraumatic intracerebral hemorrhage in cerebellum	ICD-10-CM	Diagnosis
I61.5	Nontraumatic intracerebral hemorrhage, intraventricular	ICD-10-CM	Diagnosis
I61.6	Nontraumatic intracerebral hemorrhage, multiple localized	ICD-10-CM	Diagnosis
I61.8	Other nontraumatic intracerebral hemorrhage	ICD-10-CM	Diagnosis
I61.9	Nontraumatic intracerebral hemorrhage, unspecified	ICD-10-CM	Diagnosis
I63.00	Cerebral infarction due to thrombosis of unspecified precerebral artery	ICD-10-CM	Diagnosis
I63.011	Cerebral infarction due to thrombosis of right vertebral artery	ICD-10-CM	Diagnosis
I63.012	Cerebral infarction due to thrombosis of left vertebral artery	ICD-10-CM	Diagnosis
I63.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	ICD-10-CM	Diagnosis
I63.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-10-CM	Diagnosis
I63.02	Cerebral infarction due to thrombosis of basilar artery	ICD-10-CM	Diagnosis
I63.031	Cerebral infarction due to thrombosis of right carotid artery	ICD-10-CM	Diagnosis
I63.032	Cerebral infarction due to thrombosis of left carotid artery	ICD-10-CM	Diagnosis
I63.039	Cerebral infarction due to thrombosis of unspecified carotid artery	ICD-10-CM	Diagnosis
I63.09	Cerebral infarction due to thrombosis of other precerebral artery	ICD-10-CM	Diagnosis
I63.10	Cerebral infarction due to embolism of unspecified precerebral artery	ICD-10-CM	Diagnosis
I63.111	Cerebral infarction due to embolism of right vertebral artery	ICD-10-CM	Diagnosis
I63.112	Cerebral infarction due to embolism of left vertebral artery	ICD-10-CM	Diagnosis
I63.119	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-10-CM	Diagnosis
I63.12	Cerebral infarction due to embolism of basilar artery	ICD-10-CM	Diagnosis
I63.131	Cerebral infarction due to embolism of right carotid artery	ICD-10-CM	Diagnosis
I63.132	Cerebral infarction due to embolism of left carotid artery	ICD-10-CM	Diagnosis
I63.139	Cerebral infarction due to embolism of unspecified carotid artery	ICD-10-CM	Diagnosis
I63.19	Cerebral infarction due to embolism of other precerebral artery	ICD-10-CM	Diagnosis
I63.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-10-CM	Diagnosis
I63.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral artery	ICD-10-CM	Diagnosis
I63.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery	ICD-10-CM	Diagnosis
I63.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	ICD-10-CM	Diagnosis
I63.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-10-CM	Diagnosis
I63.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery	ICD-10-CM	Diagnosis
I63.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	ICD-10-CM	Diagnosis
I63.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	ICD-10-CM	Diagnosis
I63.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	ICD-10-CM	Diagnosis
I63.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I63.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	ICD-10-CM	Diagnosis
I63.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-10-CM	Diagnosis
I63.311	Cerebral infarction due to thrombosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.312	Cerebral infarction due to thrombosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
I63.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis
I63.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.333	Cerebral infarction to thrombosis of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I63.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.341	Cerebral infarction due to thrombosis of right cerebellar artery	ICD-10-CM	Diagnosis
I63.342	Cerebral infarction due to thrombosis of left cerebellar artery	ICD-10-CM	Diagnosis
I63.343	Cerebral infarction to thrombosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.39	Cerebral infarction due to thrombosis of other cerebral artery	ICD-10-CM	Diagnosis
I63.40	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-10-CM	Diagnosis
I63.411	Cerebral infarction due to embolism of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.412	Cerebral infarction due to embolism of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
I63.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.421	Cerebral infarction due to embolism of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.422	Cerebral infarction due to embolism of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis
I63.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.431	Cerebral infarction due to embolism of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.432	Cerebral infarction due to embolism of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.441	Cerebral infarction due to embolism of right cerebellar artery	ICD-10-CM	Diagnosis
I63.442	Cerebral infarction due to embolism of left cerebellar artery	ICD-10-CM	Diagnosis
I63.443	Cerebral infarction due to embolism of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.49	Cerebral infarction due to embolism of other cerebral artery	ICD-10-CM	Diagnosis
I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-10-CM	Diagnosis
I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis
I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I63.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	ICD-10-CM	Diagnosis
I63.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	ICD-10-CM	Diagnosis
I63.543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-10-CM	Diagnosis
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	ICD-10-CM	Diagnosis
I63.8	Other cerebral infarction	ICD-10-CM	Diagnosis
I63.9	Cerebral infarction, unspecified	ICD-10-CM	Diagnosis
I66.01	Occlusion and stenosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I66.02	Occlusion and stenosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I66.03	Occlusion and stenosis of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
I66.09	Occlusion and stenosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I66.11	Occlusion and stenosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I66.12	Occlusion and stenosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I66.13	Occlusion and stenosis of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis
I66.19	Occlusion and stenosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I66.21	Occlusion and stenosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I66.22	Occlusion and stenosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I66.29	Occlusion and stenosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I66.3	Occlusion and stenosis of cerebellar arteries	ICD-10-CM	Diagnosis
I66.8	Occlusion and stenosis of other cerebral arteries	ICD-10-CM	Diagnosis
I66.9	Occlusion and stenosis of unspecified cerebral artery	ICD-10-CM	Diagnosis
I67.841	Reversible cerebrovascular vasoconstriction syndrome	ICD-10-CM	Diagnosis
I67.848	Other cerebrovascular vasospasm and vasoconstriction	ICD-10-CM	Diagnosis
I67.89	Other cerebrovascular disease	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I97.810	Intraoperative cerebrovascular infarction during cardiac surgery	ICD-10-CM	Diagnosis
I97.811	Intraoperative cerebrovascular infarction during other surgery	ICD-10-CM	Diagnosis
I97.820	Postprocedural cerebrovascular infarction following cardiac surgery	ICD-10-CM	Diagnosis
I97.821	Postprocedural cerebrovascular infarction following other surgery	ICD-10-CM	Diagnosis
<b>Chronic bronchitis</b>			
491.0	Simple chronic bronchitis	ICD-9-CM	Diagnosis
491.1	Mucopurulent chronic bronchitis	ICD-9-CM	Diagnosis
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	ICD-9-CM	Diagnosis
491.22	Obstructive chronic bronchitis with acute bronchitis	ICD-9-CM	Diagnosis
491.8	Other chronic bronchitis	ICD-9-CM	Diagnosis
491.9	Unspecified chronic bronchitis	ICD-9-CM	Diagnosis
J41	Simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.0	Simple chronic bronchitis	ICD-10-CM	Diagnosis
J41.1	Mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.8	Mixed simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J42	Unspecified chronic bronchitis	ICD-10-CM	Diagnosis
<b>Chronic kidney disease</b>			
016.00	Tuberculosis of kidney, confirmation unspecified	ICD-9-CM	Diagnosis
016.01	Tuberculosis of kidney, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
016.02	Tuberculosis of kidney, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
016.03	Tuberculosis of kidney, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
016.04	Tuberculosis of kidney, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
016.05	Tuberculosis of kidney, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
016.06	Tuberculosis of kidney, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
095.4	Syphilis of kidney	ICD-9-CM	Diagnosis
189.0	Malignant neoplasm of kidney, except pelvis	ICD-9-CM	Diagnosis
189.9	Malignant neoplasm of urinary organ, site unspecified	ICD-9-CM	Diagnosis
223.0	Benign neoplasm of kidney, except pelvis	ICD-9-CM	Diagnosis
236.91	Neoplasm of uncertain behavior of kidney and ureter	ICD-9-CM	Diagnosis
249.40	Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.41	Secondary diabetes mellitus with renal manifestations, uncontrolled	ICD-9-CM	Diagnosis
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
271.4	Renal glycosuria	ICD-9-CM	Diagnosis
274.10	Gouty nephropathy, unspecified	ICD-9-CM	Diagnosis
283.11	Hemolytic-uremic syndrome	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
440.1	Atherosclerosis of renal artery	ICD-9-CM	Diagnosis
442.1	Aneurysm of renal artery	ICD-9-CM	Diagnosis
572.4	Hepatorenal syndrome	ICD-9-CM	Diagnosis
580.0	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
580.4	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	ICD-9-CM	Diagnosis
580.81	Acute glomerulonephritis with other specified pathological lesion in kidney in disease classified elsewhere	ICD-9-CM	Diagnosis
580.89	Other acute glomerulonephritis with other specified pathological lesion in kidney	ICD-9-CM	Diagnosis
580.9	Acute glomerulonephritis with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
581.0	Nephrotic syndrome with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
581.1	Nephrotic syndrome with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis
581.2	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
581.3	Nephrotic syndrome with lesion of minimal change glomerulonephritis	ICD-9-CM	Diagnosis
581.81	Nephrotic syndrome with other specified pathological lesion in kidney in diseases	ICD-9-CM	Diagnosis
581.89	Other nephrotic syndrome with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
581.9	Nephrotic syndrome with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
582.0	Chronic glomerulonephritis with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
582.1	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis
582.2	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
582.4	Chronic glomerulonephritis with lesion of rapidly progressive glomerulonephritis	ICD-9-CM	Diagnosis
582.81	Chronic glomerulonephritis with other specified pathological lesion in kidney in diseases classified elsewhere	ICD-9-CM	Diagnosis
582.89	Other chronic glomerulonephritis with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
582.9	Chronic glomerulonephritis with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
583.0	Nephritis and nephropathy, not specified as acute or chronic, with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
583.1	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
583.2	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
583.4	Nephritis and nephropathy, not specified as acute or chronic, with lesion of rapidly progressive glomerulonephritis	ICD-9-CM	Diagnosis
583.6	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal cortical necrosis	ICD-9-CM	Diagnosis
583.7	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
583.81	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney, in diseases classified elsewhere	ICD-9-CM	Diagnosis
583.89	Other nephritis and nephropathy, not specified as acute or chronic, with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
583.9	Nephritis and nephropathy, not specified as acute or chronic, with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
584.5	Acute kidney failure with lesion of tubular necrosis	ICD-9-CM	Diagnosis
584.6	Acute kidney failure with lesion of renal cortical necrosis	ICD-9-CM	Diagnosis
584.7	Acute kidney failure with lesion of medullary [papillary] necrosis	ICD-9-CM	Diagnosis
584.8	Acute kidney failure with other specified pathological lesion in kidney	ICD-9-CM	Diagnosis
584.9	Acute kidney failure, unspecified	ICD-9-CM	Diagnosis
585.1	Chronic kidney disease, Stage I	ICD-9-CM	Diagnosis
585.2	Chronic kidney disease, Stage II (mild)	ICD-9-CM	Diagnosis
585.3	Chronic kidney disease, Stage III (moderate)	ICD-9-CM	Diagnosis
585.4	Chronic kidney disease, Stage IV (severe)	ICD-9-CM	Diagnosis
585.5	Chronic kidney disease, Stage V	ICD-9-CM	Diagnosis
585.6	End stage renal disease	ICD-9-CM	Diagnosis
585.9	Chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
586	Unspecified renal failure	ICD-9-CM	Diagnosis
587	Unspecified renal sclerosis	ICD-9-CM	Diagnosis
588.0	Renal osteodystrophy	ICD-9-CM	Diagnosis
588.1	Nephrogenic diabetes insipidus	ICD-9-CM	Diagnosis
588.81	Secondary hyperparathyroidism (of renal origin)	ICD-9-CM	Diagnosis
588.89	Other specified disorders resulting from impaired renal function	ICD-9-CM	Diagnosis
588.9	Unspecified disorder resulting from impaired renal function	ICD-9-CM	Diagnosis
591	Hydronephrosis	ICD-9-CM	Diagnosis
753.12	Congenital polycystic kidney, unspecified type	ICD-9-CM	Diagnosis
753.13	Congenital polycystic kidney, autosomal dominant	ICD-9-CM	Diagnosis
753.14	Congenital polycystic kidney, autosomal recessive	ICD-9-CM	Diagnosis
753.15	Congenital renal dysplasia	ICD-9-CM	Diagnosis
753.16	Congenital medullary cystic kidney	ICD-9-CM	Diagnosis
753.17	Congenital medullary sponge kidney	ICD-9-CM	Diagnosis
753.19	Other specified congenital cystic kidney disease	ICD-9-CM	Diagnosis
753.20	Unspecified obstructive defect of renal pelvis and ureter	ICD-9-CM	Diagnosis
753.21	Congenital obstruction of ureteropelvic junction	ICD-9-CM	Diagnosis
753.22	Congenital obstruction of ureterovesical junction	ICD-9-CM	Diagnosis
753.23	Congenital ureterocele	ICD-9-CM	Diagnosis
753.29	Other obstructive defect of renal pelvis and ureter	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
794.4	Nonspecific abnormal results of kidney function study	ICD-9-CM	Diagnosis
A18.11	Tuberculosis of kidney and ureter	ICD-10-CM	Diagnosis
A52.75	Syphilis of kidney and ureter	ICD-10-CM	Diagnosis
B52.0	Plasmodium malariae malaria with nephropathy	ICD-10-CM	Diagnosis
C64.1	Malignant neoplasm of right kidney, except renal pelvis	ICD-10-CM	Diagnosis
C64.2	Malignant neoplasm of left kidney, except renal pelvis	ICD-10-CM	Diagnosis
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis	ICD-10-CM	Diagnosis
C68.9	Malignant neoplasm of urinary organ, unspecified	ICD-10-CM	Diagnosis
D30.00	Benign neoplasm of unspecified kidney	ICD-10-CM	Diagnosis
D30.01	Benign neoplasm of right kidney	ICD-10-CM	Diagnosis
D30.02	Benign neoplasm of left kidney	ICD-10-CM	Diagnosis
D41.00	Neoplasm of uncertain behavior of unspecified kidney	ICD-10-CM	Diagnosis
D41.01	Neoplasm of uncertain behavior of right kidney	ICD-10-CM	Diagnosis
D41.02	Neoplasm of uncertain behavior of left kidney	ICD-10-CM	Diagnosis
D41.10	Neoplasm of uncertain behavior of unspecified renal pelvis	ICD-10-CM	Diagnosis
D41.11	Neoplasm of uncertain behavior of right renal pelvis	ICD-10-CM	Diagnosis
D41.12	Neoplasm of uncertain behavior of left renal pelvis	ICD-10-CM	Diagnosis
D41.20	Neoplasm of uncertain behavior of unspecified ureter	ICD-10-CM	Diagnosis
D41.21	Neoplasm of uncertain behavior of right ureter	ICD-10-CM	Diagnosis
D41.22	Neoplasm of uncertain behavior of left ureter	ICD-10-CM	Diagnosis
D59.3	Hemolytic-uremic syndrome	ICD-10-CM	Diagnosis
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	ICD-10-CM	Diagnosis
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	ICD-10-CM	Diagnosis
E08.65	Diabetes mellitus due to underlying condition with hyperglycemia	ICD-10-CM	Diagnosis
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E10.65	Type 1 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E11.65	Type 2 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E13.21	Other specified diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E74.8	Other specified disorders of carbohydrate metabolism	ICD-10-CM	Diagnosis
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	ICD-10-CM	Diagnosis
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I70.1	Atherosclerosis of renal artery	ICD-10-CM	Diagnosis
I72.2	Aneurysm of renal artery	ICD-10-CM	Diagnosis
K76.7	Hepatorenal syndrome	ICD-10-CM	Diagnosis
M10.30	Gout due to renal impairment, unspecified site	ICD-10-CM	Diagnosis
M10.311	Gout due to renal impairment, right shoulder	ICD-10-CM	Diagnosis
M10.312	Gout due to renal impairment, left shoulder	ICD-10-CM	Diagnosis
M10.319	Gout due to renal impairment, unspecified shoulder	ICD-10-CM	Diagnosis
M10.321	Gout due to renal impairment, right elbow	ICD-10-CM	Diagnosis
M10.322	Gout due to renal impairment, left elbow	ICD-10-CM	Diagnosis
M10.329	Gout due to renal impairment, unspecified elbow	ICD-10-CM	Diagnosis
M10.331	Gout due to renal impairment, right wrist	ICD-10-CM	Diagnosis
M10.332	Gout due to renal impairment, left wrist	ICD-10-CM	Diagnosis
M10.339	Gout due to renal impairment, unspecified wrist	ICD-10-CM	Diagnosis
M10.341	Gout due to renal impairment, right hand	ICD-10-CM	Diagnosis
M10.342	Gout due to renal impairment, left hand	ICD-10-CM	Diagnosis
M10.349	Gout due to renal impairment, unspecified hand	ICD-10-CM	Diagnosis
M10.351	Gout due to renal impairment, right hip	ICD-10-CM	Diagnosis
M10.352	Gout due to renal impairment, left hip	ICD-10-CM	Diagnosis
M10.359	Gout due to renal impairment, unspecified hip	ICD-10-CM	Diagnosis
M10.361	Gout due to renal impairment, right knee	ICD-10-CM	Diagnosis
M10.362	Gout due to renal impairment, left knee	ICD-10-CM	Diagnosis
M10.369	Gout due to renal impairment, unspecified knee	ICD-10-CM	Diagnosis
M10.371	Gout due to renal impairment, right ankle and foot	ICD-10-CM	Diagnosis
M10.372	Gout due to renal impairment, left ankle and foot	ICD-10-CM	Diagnosis
M10.379	Gout due to renal impairment, unspecified ankle and foot	ICD-10-CM	Diagnosis
M10.38	Gout due to renal impairment, vertebrae	ICD-10-CM	Diagnosis
M10.39	Gout due to renal impairment, multiple sites	ICD-10-CM	Diagnosis
M32.14	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M35.04	Sicca syndrome with tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
N00.0	Acute nephritic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N00.1	Acute nephritic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N00.2	Acute nephritic syndrome with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N00.3	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N00.4	Acute nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N00.5	Acute nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N00.6	Acute nephritic syndrome with dense deposit disease	ICD-10-CM	Diagnosis
N00.7	Acute nephritic syndrome with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N00.8	Acute nephritic syndrome with other morphologic changes	ICD-10-CM	Diagnosis
N00.9	Acute nephritic syndrome with unspecified morphologic changes	ICD-10-CM	Diagnosis
N01.0	Rapidly progressive nephritic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N01.1	Rapidly progressive nephritic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N01.2	Rapidly progressive nephritic syndrome with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N01.3	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N01.4	Rapidly progressive nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N01.5	Rapidly progressive nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N01.6	Rapidly progressive nephritic syndrome with dense deposit disease	ICD-10-CM	Diagnosis
N01.7	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N01.8	Rapidly progressive nephritic syndrome with other morphologic changes	ICD-10-CM	Diagnosis
N01.9	Rapidly progressive nephritic syndrome with unspecified morphologic changes	ICD-10-CM	Diagnosis
N02.0	Recurrent and persistent hematuria with minor glomerular abnormality	ICD-10-CM	Diagnosis
N02.1	Recurrent and persistent hematuria with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N02.2	Recurrent and persistent hematuria with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N02.3	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N02.4	Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N02.5	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N02.6	Recurrent and persistent hematuria with dense deposit disease	ICD-10-CM	Diagnosis
N02.7	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N02.8	Recurrent and persistent hematuria with other morphologic changes	ICD-10-CM	Diagnosis
N02.9	Recurrent and persistent hematuria with unspecified morphologic changes	ICD-10-CM	Diagnosis
N03.0	Chronic nephritic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N03.1	Chronic nephritic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N03.2	Chronic nephritic syndrome with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N03.3	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N03.4	Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N03.5	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N03.6	Chronic nephritic syndrome with dense deposit disease	ICD-10-CM	Diagnosis
N03.7	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N03.8	Chronic nephritic syndrome with other morphologic changes	ICD-10-CM	Diagnosis
N03.9	Chronic nephritic syndrome with unspecified morphologic changes	ICD-10-CM	Diagnosis
N04.0	Nephrotic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N04.1	Nephrotic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N04.2	Nephrotic syndrome with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N04.3	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N04.4	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N04.5	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N04.6	Nephrotic syndrome with dense deposit disease	ICD-10-CM	Diagnosis
N04.7	Nephrotic syndrome with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N04.8	Nephrotic syndrome with other morphologic changes	ICD-10-CM	Diagnosis
N04.9	Nephrotic syndrome with unspecified morphologic changes	ICD-10-CM	Diagnosis
N05.0	Unspecified nephritic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N05.1	Unspecified nephritic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N05.2	Unspecified nephritic syndrome with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N05.3	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N05.4	Unspecified nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N05.5	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N05.6	Unspecified nephritic syndrome with dense deposit disease	ICD-10-CM	Diagnosis
N05.7	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N05.8	Unspecified nephritic syndrome with other morphologic changes	ICD-10-CM	Diagnosis
N05.9	Unspecified nephritic syndrome with unspecified morphologic changes	ICD-10-CM	Diagnosis
N06.0	Isolated proteinuria with minor glomerular abnormality	ICD-10-CM	Diagnosis
N06.1	Isolated proteinuria with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N06.2	Isolated proteinuria with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N06.3	Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N06.4	Isolated proteinuria with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N06.5	Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N06.6	Isolated proteinuria with dense deposit disease	ICD-10-CM	Diagnosis
N06.7	Isolated proteinuria with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N06.8	Isolated proteinuria with other morphologic lesion	ICD-10-CM	Diagnosis
N06.9	Isolated proteinuria with unspecified morphologic lesion	ICD-10-CM	Diagnosis
N07.0	Hereditary nephropathy, not elsewhere classified with minor glomerular abnormality	ICD-10-CM	Diagnosis
N07.1	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N07.2	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N07.3	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N07.4	Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N07.5	Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N07.6	Hereditary nephropathy, not elsewhere classified with dense deposit disease	ICD-10-CM	Diagnosis
N07.7	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N07.8	Hereditary nephropathy, not elsewhere classified with other morphologic lesions	ICD-10-CM	Diagnosis
N07.9	Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions	ICD-10-CM	Diagnosis
N08	Glomerular disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N13.1	Hydronephrosis with ureteral stricture, not elsewhere classified	ICD-10-CM	Diagnosis
N13.2	Hydronephrosis with renal and ureteral calculous obstruction	ICD-10-CM	Diagnosis
N13.30	Unspecified hydronephrosis	ICD-10-CM	Diagnosis
N13.39	Other hydronephrosis	ICD-10-CM	Diagnosis
N14.0	Analgesic nephropathy	ICD-10-CM	Diagnosis
N14.1	Nephropathy induced by other drugs, medicaments and biological substances	ICD-10-CM	Diagnosis
N14.2	Nephropathy induced by unspecified drug, medicament or biological substance	ICD-10-CM	Diagnosis
N14.3	Nephropathy induced by heavy metals	ICD-10-CM	Diagnosis
N14.4	Toxic nephropathy, not elsewhere classified	ICD-10-CM	Diagnosis
N15.0	Balkan nephropathy	ICD-10-CM	Diagnosis
N15.8	Other specified renal tubulo-interstitial diseases	ICD-10-CM	Diagnosis
N15.9	Renal tubulo-interstitial disease, unspecified	ICD-10-CM	Diagnosis
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
N17.0	Acute kidney failure with tubular necrosis	ICD-10-CM	Diagnosis
N17.1	Acute kidney failure with acute cortical necrosis	ICD-10-CM	Diagnosis
N17.2	Acute kidney failure with medullary necrosis	ICD-10-CM	Diagnosis
N17.8	Other acute kidney failure	ICD-10-CM	Diagnosis
N17.9	Acute kidney failure, unspecified	ICD-10-CM	Diagnosis
N18.1	Chronic kidney disease, stage 1	ICD-10-CM	Diagnosis
N18.2	Chronic kidney disease, stage 2 (mild)	ICD-10-CM	Diagnosis
N18.3	Chronic kidney disease, stage 3 (moderate)	ICD-10-CM	Diagnosis
N18.4	Chronic kidney disease, stage 4 (severe)	ICD-10-CM	Diagnosis
N18.5	Chronic kidney disease, stage 5	ICD-10-CM	Diagnosis
N18.6	End stage renal disease	ICD-10-CM	Diagnosis
N18.9	Chronic kidney disease, unspecified	ICD-10-CM	Diagnosis
N19	Unspecified kidney failure	ICD-10-CM	Diagnosis
N25.0	Renal osteodystrophy	ICD-10-CM	Diagnosis
N25.1	Nephrogenic diabetes insipidus	ICD-10-CM	Diagnosis
N25.81	Secondary hyperparathyroidism of renal origin	ICD-10-CM	Diagnosis
N25.89	Other disorders resulting from impaired renal tubular function	ICD-10-CM	Diagnosis
N25.9	Disorder resulting from impaired renal tubular function, unspecified	ICD-10-CM	Diagnosis
N26.1	Atrophy of kidney (terminal)	ICD-10-CM	Diagnosis
N26.9	Renal sclerosis, unspecified	ICD-10-CM	Diagnosis
Q61.02	Congenital multiple renal cysts	ICD-10-CM	Diagnosis
Q61.11	Cystic dilatation of collecting ducts	ICD-10-CM	Diagnosis
Q61.19	Other polycystic kidney, infantile type	ICD-10-CM	Diagnosis
Q61.2	Polycystic kidney, adult type	ICD-10-CM	Diagnosis
Q61.3	Polycystic kidney, unspecified	ICD-10-CM	Diagnosis
Q61.4	Renal dysplasia	ICD-10-CM	Diagnosis
Q61.5	Medullary cystic kidney	ICD-10-CM	Diagnosis
Q61.8	Other cystic kidney diseases	ICD-10-CM	Diagnosis
Q62.0	Congenital hydronephrosis	ICD-10-CM	Diagnosis
Q62.10	Congenital occlusion of ureter, unspecified	ICD-10-CM	Diagnosis
Q62.11	Congenital occlusion of ureteropelvic junction	ICD-10-CM	Diagnosis
Q62.12	Congenital occlusion of ureterovesical orifice	ICD-10-CM	Diagnosis
Q62.2	Congenital megaureter	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q62.31	Congenital ureterocele, orthotopic	ICD-10-CM	Diagnosis
Q62.32	Cecoureterocele	ICD-10-CM	Diagnosis
Q62.39	Other obstructive defects of renal pelvis and ureter	ICD-10-CM	Diagnosis
R94.4	Abnormal results of kidney function studies	ICD-10-CM	Diagnosis
<b>Cirrhosis</b>			
571	Chronic liver disease and cirrhosis	ICD-9-CM	Diagnosis
571.2	Alcoholic cirrhosis of liver	ICD-9-CM	Diagnosis
571.5	Cirrhosis of liver without mention of alcohol	ICD-9-CM	Diagnosis
571.6	Biliary cirrhosis	ICD-9-CM	Diagnosis
K70.2	Alcoholic fibrosis and sclerosis of liver	ICD-10-CM	Diagnosis
K70.30	Alcoholic cirrhosis of liver without ascites	ICD-10-CM	Diagnosis
K70.31	Alcoholic cirrhosis of liver with ascites	ICD-10-CM	Diagnosis
K74.0	Hepatic fibrosis	ICD-10-CM	Diagnosis
K74.3	Primary biliary cirrhosis	ICD-10-CM	Diagnosis
K74.4	Secondary biliary cirrhosis	ICD-10-CM	Diagnosis
K74.5	Biliary cirrhosis, unspecified	ICD-10-CM	Diagnosis
K74.60	Unspecified cirrhosis of liver	ICD-10-CM	Diagnosis
K74.69	Other cirrhosis of liver	ICD-10-CM	Diagnosis
<b>Congestive heart failure</b>			
402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
428	Heart failure	ICD-9-CM	Diagnosis
428.0	Congestive heart failure, unspecified	ICD-9-CM	Diagnosis
428.1	Left heart failure	ICD-9-CM	Diagnosis
428.2	Systolic heart failure	ICD-9-CM	Diagnosis
428.20	Unspecified systolic heart failure	ICD-9-CM	Diagnosis
428.21	Acute systolic heart failure	ICD-9-CM	Diagnosis
428.22	Chronic systolic heart failure	ICD-9-CM	Diagnosis
428.23	Acute on chronic systolic heart failure	ICD-9-CM	Diagnosis
428.3	Diastolic heart failure	ICD-9-CM	Diagnosis
428.30	Unspecified diastolic heart failure	ICD-9-CM	Diagnosis
428.31	Acute diastolic heart failure	ICD-9-CM	Diagnosis
428.32	Chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.33	Acute on chronic diastolic heart failure	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
428.4	Combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.40	Unspecified combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.41	Acute combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.42	Chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.43	Acute on chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.9	Unspecified heart failure	ICD-9-CM	Diagnosis
I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I50.1	Left ventricular failure, unspecified	ICD-10-CM	Diagnosis
I50.20	Unspecified systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.21	Acute systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.22	Chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.23	Acute on chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.30	Unspecified diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.31	Acute diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.32	Chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.33	Acute on chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.810	Right heart failure, unspecified	ICD-10-CM	Diagnosis
I50.811	Acute right heart failure	ICD-10-CM	Diagnosis
I50.812	Chronic right heart failure	ICD-10-CM	Diagnosis
I50.813	Acute on chronic right heart failure	ICD-10-CM	Diagnosis
I50.814	Right heart failure due to left heart failure	ICD-10-CM	Diagnosis
I50.82	Biventricular heart failure	ICD-10-CM	Diagnosis
I50.83	High output heart failure	ICD-10-CM	Diagnosis
I50.84	End stage heart failure	ICD-10-CM	Diagnosis
I50.89	Other heart failure	ICD-10-CM	Diagnosis
I50.9	Heart failure, unspecified	ICD-10-CM	Diagnosis
<b>Depression</b>			
296.2	Major depressive disorder, single episode	ICD-9-CM	Diagnosis
296.2	Major depressive disorder, single episode	ICD-9-CM	Diagnosis
296.20	Major depressive disorder, single episode, unspecified	ICD-9-CM	Diagnosis
296.21	Major depressive disorder, single episode, mild	ICD-9-CM	Diagnosis
296.22	Major depressive disorder, single episode, moderate	ICD-9-CM	Diagnosis
296.23	Major depressive disorder, single episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.24	Major depressive disorder, single episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.25	Major depressive disorder, single episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.26	Major depressive disorder, single episode in full remission	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
296.3	Major depressive disorder, recurrent episode	ICD-9-CM	Diagnosis
296.3	Major depressive disorder, recurrent episode	ICD-9-CM	Diagnosis
296.30	Major depressive disorder, recurrent episode, unspecified	ICD-9-CM	Diagnosis
296.31	Major depressive disorder, recurrent episode, mild	ICD-9-CM	Diagnosis
296.32	Major depressive disorder, recurrent episode, moderate	ICD-9-CM	Diagnosis
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.36	Major depressive disorder, recurrent episode, in full remission	ICD-9-CM	Diagnosis
F32.0	Major depressive disorder, single episode, mild	ICD-10-CM	Diagnosis
F32.1	Major depressive disorder, single episode, moderate	ICD-10-CM	Diagnosis
F32.2	Major depressive disorder, single episode, severe without psychotic features	ICD-10-CM	Diagnosis
F32.3	Major depressive disorder, single episode, severe with psychotic features	ICD-10-CM	Diagnosis
F32.4	Major depressive disorder, single episode, in partial remission	ICD-10-CM	Diagnosis
F32.5	Major depressive disorder, single episode, in full remission	ICD-10-CM	Diagnosis
F32.9	Major depressive disorder, single episode, unspecified	ICD-10-CM	Diagnosis
F33.0	Major depressive disorder, recurrent, mild	ICD-10-CM	Diagnosis
F33.1	Major depressive disorder, recurrent, moderate	ICD-10-CM	Diagnosis
F33.2	Major depressive disorder, recurrent severe without psychotic features	ICD-10-CM	Diagnosis
F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms	ICD-10-CM	Diagnosis
F33.40	Major depressive disorder, recurrent, in remission, unspecified	ICD-10-CM	Diagnosis
F33.41	Major depressive disorder, recurrent, in partial remission	ICD-10-CM	Diagnosis
F33.42	Major depressive disorder, recurrent, in full remission	ICD-10-CM	Diagnosis
F33.9	Major depressive disorder, recurrent, unspecified	ICD-10-CM	Diagnosis
311	Depressive disorder, not elsewhere classified	ICD-9-CM	Diagnosis
F32.9	Major depressive disorder, single episode, unspecified	ICD-10-CM	Diagnosis
<b>Diabetes</b>			
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E10.3523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E10.3531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E10.3533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.3541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E10.3542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E10.3543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E10.3549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E10.3551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E10.3552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E10.3559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E10.3591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.36	Type 1 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E10.37X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E10.59	Type 1 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.620	Type 1 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E10.621	Type 1 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E10.622	Type 1 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E10.628	Type 1 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E10.630	Type 1 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E10.638	Type 1 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E10.65	Type 1 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E10.69	Type 1 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E10.8	Type 1 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E10.9	Type 1 diabetes mellitus without complications	ICD-10-CM	Diagnosis
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.36	Type 2 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E11.59	Type 2 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E11.621	Type 2 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E11.622	Type 2 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E11.628	Type 2 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E11.630	Type 2 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E11.638	Type 2 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E11.65	Type 2 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E11.69	Type 2 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E11.8	Type 2 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E11.9	Type 2 diabetes mellitus without complications	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E13.21	Other specified diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.36	Other specified diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E13.59	Other specified diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E13.620	Other specified diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E13.621	Other specified diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.622	Other specified diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E13.628	Other specified diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E13.630	Other specified diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E13.638	Other specified diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E13.65	Other specified diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E13.69	Other specified diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E13.8	Other specified diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E13.9	Other specified diabetes mellitus without complications	ICD-10-CM	Diagnosis
648.0	Maternal diabetes mellitus complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
648.01	Maternal diabetes mellitus with delivery	ICD-9-CM	Diagnosis
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
648.03	Maternal diabetes mellitus, antepartum	ICD-9-CM	Diagnosis
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
O24319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O2432	Unspecified pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O2492	Unspecified diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24913	Unspecified diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24912	Unspecified diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24911	Unspecified diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O2493	Unspecified diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis
O24019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	ICD-10-CM	Diagnosis
O2482	Other pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24813	Other pre-existing diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24812	Other pre-existing diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24811	Other pre-existing diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O24113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	ICD-10-CM	Diagnosis
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O24013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	ICD-10-CM	Diagnosis
O2403	Pre-existing type 1 diabetes mellitus, in the puerperium	ICD-10-CM	Diagnosis
O2483	Other pre-existing diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
O2433	Unspecified pre-existing diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis
O2413	Pre-existing type 2 diabetes mellitus, in the puerperium	ICD-10-CM	Diagnosis
648.81	Abnormal maternal glucose tolerance, with delivery	ICD-10-CM	Diagnosis
648.82	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	ICD-10-CM	Diagnosis
648.83	Abnormal maternal glucose tolerance, antepartum	ICD-10-CM	Diagnosis
648.84	Abnormal maternal glucose tolerance complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-10-CM	Diagnosis
O24.414	Gestational diabetes mellitus in pregnancy, insulin controlled	ICD-10-CM	Diagnosis
O24.415	Gestational diabetes mellitus in pregnancy, controlled by oral hypoglycemic drugs	ICD-10-CM	Diagnosis
O24.419	Gestational diabetes mellitus in pregnancy, unspecified control	ICD-10-CM	Diagnosis
O24.425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	ICD-10-CM	Diagnosis
O24.429	Gestational diabetes mellitus in childbirth, unspecified control	ICD-10-CM	Diagnosis
O24.434	Gestational diabetes mellitus in the puerperium, insulin controlled	ICD-10-CM	Diagnosis
O24.435	Gestational diabetes mellitus in puerperium, controlled by oral hypoglycemic drugs	ICD-10-CM	Diagnosis
O24.439	Gestational diabetes mellitus in the puerperium, unspecified control	ICD-10-CM	Diagnosis
E08.610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E08.618	Diabetes mellitus due to underlying condition with other diabetic arthropathy	ICD-10-CM	Diagnosis
E09.610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E09.618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	ICD-10-CM	Diagnosis
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	ICD-10-CM	Diagnosis
E08.00	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E08.01	Diabetes mellitus due to underlying condition with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E08.10	Diabetes mellitus due to underlying condition with ketoacidosis without coma	ICD-10-CM	Diagnosis
E08.11	Diabetes mellitus due to underlying condition with ketoacidosis with coma	ICD-10-CM	Diagnosis
E08.311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E08.319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E08.3211	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3212	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3213	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E08.3219	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3291	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3292	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3293	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3299	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3311	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3312	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3313	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3319	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3391	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3392	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3393	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3399	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3411	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3412	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3413	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3419	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3491	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3492	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3493	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3499	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3511	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3512	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E08.3513	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3519	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3521	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E08.3522	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E08.3523	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E08.3529	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E08.3531	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E08.3532	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E08.3533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E08.3539	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E08.3541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E08.3542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E08.3543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E08.3549	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E08.3551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E08.3552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E08.3553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E08.3559	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E08.3591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E08.3593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3599	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.36	Diabetes mellitus due to underlying condition with diabetic cataract	ICD-10-CM	Diagnosis
E08.37X1	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E08.37X2	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E08.37X3	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E08.37X9	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E08.39	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E08.40	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E08.41	Diabetes mellitus due to underlying condition with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E08.42	Diabetes mellitus due to underlying condition with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E08.43	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E08.44	Diabetes mellitus due to underlying condition with diabetic amyotrophy	ICD-10-CM	Diagnosis
E08.49	Diabetes mellitus due to underlying condition with other diabetic neurological complication	ICD-10-CM	Diagnosis
E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E08.59	Diabetes mellitus due to underlying condition with other circulatory complications	ICD-10-CM	Diagnosis
E08.610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E08.618	Diabetes mellitus due to underlying condition with other diabetic arthropathy	ICD-10-CM	Diagnosis
E08.620	Diabetes mellitus due to underlying condition with diabetic dermatitis	ICD-10-CM	Diagnosis
E08.621	Diabetes mellitus due to underlying condition with foot ulcer	ICD-10-CM	Diagnosis
E08.622	Diabetes mellitus due to underlying condition with other skin ulcer	ICD-10-CM	Diagnosis
E08.628	Diabetes mellitus due to underlying condition with other skin complications	ICD-10-CM	Diagnosis
E08.630	Diabetes mellitus due to underlying condition with periodontal disease	ICD-10-CM	Diagnosis
E08.638	Diabetes mellitus due to underlying condition with other oral complications	ICD-10-CM	Diagnosis
E08.641	Diabetes mellitus due to underlying condition with hypoglycemia with coma	ICD-10-CM	Diagnosis
E08.649	Diabetes mellitus due to underlying condition with hypoglycemia without coma	ICD-10-CM	Diagnosis
E08.65	Diabetes mellitus due to underlying condition with hyperglycemia	ICD-10-CM	Diagnosis
E08.69	Diabetes mellitus due to underlying condition with other specified complication	ICD-10-CM	Diagnosis
E08.8	Diabetes mellitus due to underlying condition with unspecified complications	ICD-10-CM	Diagnosis
E08.9	Diabetes mellitus due to underlying condition without complications	ICD-10-CM	Diagnosis
E09.00	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E09.01	Drug or chemical induced diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E09.10	Drug or chemical induced diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E09.11	Drug or chemical induced diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E09.311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E09.319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E09.3211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3219	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3299	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3312	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3313	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3319	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3391	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3392	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3393	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3399	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3411	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3412	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E09.3413	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3419	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3491	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3492	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3493	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3499	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3511	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3512	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3513	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3519	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3521	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E09.3522	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E09.3523	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E09.3529	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E09.3531	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E09.3532	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E09.3533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E09.3539	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E09.3541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E09.3542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E09.3543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E09.3549	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E09.3551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E09.3552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E09.3553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E09.3559	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E09.3591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3599	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E09.37X1	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E09.37X2	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E09.37X3	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E09.37X9	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E09.39	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E09.40	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E09.41	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E09.42	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E09.43	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E09.44	Drug or chemical induced diabetes mellitus with neurological complications with diabetic amyotrophy	ICD-10-CM	Diagnosis
E09.49	Drug or chemical induced diabetes mellitus with neurological complications with other diabetic neurological complication	ICD-10-CM	Diagnosis



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E09.610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E09.618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E09.620	Drug or chemical induced diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E09.621	Drug or chemical induced diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E09.622	Drug or chemical induced diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E09.628	Drug or chemical induced diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E09.630	Drug or chemical induced diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E09.638	Drug or chemical induced diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E09.641	Drug or chemical induced diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E09.649	Drug or chemical induced diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E09.65	Drug or chemical induced diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E09.69	Drug or chemical induced diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E09.8	Drug or chemical induced diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E09.9	Drug or chemical induced diabetes mellitus without complications	ICD-10-CM	Diagnosis
249	Secondary diabetes mellitus	ICD-9-CM	Diagnosis
249.0	Secondary diabetes mellitus without mention of complication	ICD-9-CM	Diagnosis
249.00	Secondary diabetes mellitus without mention of complication, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.01	Secondary diabetes mellitus without mention of complication, uncontrolled	ICD-9-CM	Diagnosis
249.1	Secondary diabetes mellitus with ketoacidosis	ICD-9-CM	Diagnosis
249.10	Secondary diabetes mellitus with ketoacidosis, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.11	Secondary diabetes mellitus with ketoacidosis, uncontrolled	ICD-9-CM	Diagnosis
249.2	Secondary diabetes mellitus with hyperosmolarity	ICD-9-CM	Diagnosis
249.20	Secondary diabetes mellitus with hyperosmolarity, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.21	Secondary diabetes mellitus with hyperosmolarity, uncontrolled	ICD-9-CM	Diagnosis
249.3	Secondary diabetes mellitus with other coma	ICD-9-CM	Diagnosis
249.30	Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.31	Secondary diabetes mellitus with other coma, uncontrolled	ICD-9-CM	Diagnosis
249.4	Secondary diabetes mellitus with renal manifestations	ICD-9-CM	Diagnosis
249.40	Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.41	Secondary diabetes mellitus with renal manifestations, uncontrolled	ICD-9-CM	Diagnosis
249.5	Secondary diabetes mellitus with ophthalmic manifestations	ICD-9-CM	Diagnosis
249.50	Secondary diabetes mellitus with ophthalmic manifestations, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.51	Secondary diabetes mellitus with ophthalmic manifestations, uncontrolled	ICD-9-CM	Diagnosis
249.6	Secondary diabetes mellitus with neurological manifestations	ICD-9-CM	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
249.60	Secondary diabetes mellitus with neurological manifestations, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.61	Secondary diabetes mellitus with neurological manifestations, uncontrolled	ICD-9-CM	Diagnosis
249.7	Secondary diabetes mellitus with peripheral circulatory disorders	ICD-9-CM	Diagnosis
249.70	Secondary diabetes mellitus with peripheral circulatory disorders, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.71	Secondary diabetes mellitus with peripheral circulatory disorders, uncontrolled	ICD-9-CM	Diagnosis
249.8	Secondary diabetes mellitus with other specified manifestations	ICD-9-CM	Diagnosis
249.80	Secondary diabetes mellitus with other specified manifestations, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.81	Secondary diabetes mellitus with other specified manifestations, uncontrolled	ICD-9-CM	Diagnosis
249.9	Secondary diabetes mellitus with unspecified complication	ICD-9-CM	Diagnosis
249.90	Secondary diabetes mellitus with unspecified complication, not stated as uncontrolled, or unspecified	ICD-9-CM	Diagnosis
249.91	Secondary diabetes mellitus with unspecified complication, uncontrolled	ICD-9-CM	Diagnosis
251.1	Other specified hypoglycemia	ICD-9-CM	Diagnosis
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.36	Other specified diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E13.620	Other specified diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.621	Other specified diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E13.622	Other specified diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E13.628	Other specified diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E13.630	Other specified diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E13.638	Other specified diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E13.65	Other specified diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E13.69	Other specified diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E13.9	Other specified diabetes mellitus without complications	ICD-10-CM	Diagnosis
<b>Emphysematous phenotype</b>			
492.0	Emphysematous bleb	ICD-9-CM	Diagnosis
492.8	Other emphysema	ICD-9-CM	Diagnosis
J43	Emphysema	ICD-10-CM	Diagnosis
J43.1	Panlobular emphysema	ICD-10-CM	Diagnosis
J43.2	Centrilobular emphysema	ICD-10-CM	Diagnosis
J43.8	Other emphysema	ICD-10-CM	Diagnosis
J43.9	Emphysema, unspecified	ICD-10-CM	Diagnosis
<b>Gastro-esophageal reflux disease</b>			
530.81	Esophageal reflux	ICD-9-CM	Diagnosis
530.11	Reflux esophagitis	ICD-9-CM	Diagnosis
K21	Gastro-esophageal reflux disease	ICD-10-CM	Diagnosis
K21.0	Gastro-esophageal reflux disease with esophagitis	ICD-10-CM	Diagnosis
K21.00	Gastro-esophageal reflux disease with esophagitis, without bleeding	ICD-10-CM	Diagnosis
K21.01	Gastro-esophageal reflux disease with esophagitis, with bleeding	ICD-10-CM	Diagnosis
K21.9	Gastro-esophageal reflux disease without esophagitis	ICD-10-CM	Diagnosis
<b>Obstructive sleep apnea</b>			
327.23	Obstructive sleep apnea (adult) (pediatric)	ICD-9-CM	Diagnosis
G47.33	Obstructive sleep apnea (adult) (pediatric)	ICD-10-CM	Diagnosis
<b>Oxygen therapy</b>			
V46.2	Other dependence on machines, supplemental oxygen	ICD-9-CM	Diagnosis
Z99.81	Dependence on supplemental oxygen	ICD-10-CM	Diagnosis
93.96	Other oxygen enrichment	ICD-9-CM	Procedure
3E0F7GC	Introduction of Other Therapeutic Substance into Respiratory Tract, Via Natural or Artificial Opening	ICD-10-CM	Procedure
<b>Pneumonia</b>			
480	Viral pneumonia	ICD-9-CM	Diagnosis
480.8	Pneumonia due to other virus not elsewhere classified	ICD-9-CM	Diagnosis
480.9	Unspecified viral pneumonia	ICD-9-CM	Diagnosis
481	Pneumococcal pneumonia (streptococcus pneumoniae pneumonia)	ICD-9-CM	Diagnosis
482	Other bacterial pneumonia	ICD-9-CM	Diagnosis
482.0	Pneumonia due to Klebsiella pneumoniae	ICD-9-CM	Diagnosis
482.1	Pneumonia due to Pseudomonas	ICD-9-CM	Diagnosis
482.2	Pneumonia due to Hemophilus influenzae (H. influenzae)	ICD-9-CM	Diagnosis
482.3	Pneumonia due to Streptococcus	ICD-9-CM	Diagnosis
482.30	Pneumonia due to unspecified Streptococcus	ICD-9-CM	Diagnosis
482.31	Pneumonia due to Streptococcus, group A	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
482.32	Pneumonia due to Streptococcus, group B	ICD-9-CM	Diagnosis
482.39	Pneumonia due to other Streptococcus	ICD-9-CM	Diagnosis
482.4	Pneumonia due to Staphylococcus	ICD-9-CM	Diagnosis
482.40	Pneumonia due to Staphylococcus, unspecified	ICD-9-CM	Diagnosis
482.41	Methicillin susceptible pneumonia due to Staphylococcus aureus	ICD-9-CM	Diagnosis
482.42	Methicillin resistant pneumonia due to Staphylococcus aureus	ICD-9-CM	Diagnosis
482.49	Other Staphylococcus pneumonia	ICD-9-CM	Diagnosis
482.8	Pneumonia due to other specified bacteria	ICD-9-CM	Diagnosis
482.81	Pneumonia due to anaerobes	ICD-9-CM	Diagnosis
482.83	Pneumonia due to other gram-negative bacteria	ICD-9-CM	Diagnosis
482.89	Pneumonia due to other specified bacteria	ICD-9-CM	Diagnosis
482.9	Unspecified bacterial pneumonia	ICD-9-CM	Diagnosis
483	Pneumonia due to other specified organism	ICD-9-CM	Diagnosis
483.0	Pneumonia due to Mycoplasma pneumoniae	ICD-9-CM	Diagnosis
483.1	Pneumonia due to Chlamydia	ICD-9-CM	Diagnosis
483.8	Pneumonia due to other specified organism	ICD-9-CM	Diagnosis
484	Pneumonia in infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
484.3	Pneumonia in whooping cough	ICD-9-CM	Diagnosis
484.5	Pneumonia in anthrax	ICD-9-CM	Diagnosis
484.8	Pneumonia in other infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
485	Bronchopneumonia, organism unspecified	ICD-9-CM	Diagnosis
486	Pneumonia, organism unspecified	ICD-9-CM	Diagnosis
J12.89	Other viral pneumonia	ICD-10-CM	Diagnosis
J12.9	Viral pneumonia, unspecified	ICD-10-CM	Diagnosis
J13	Pneumonia due to Streptococcus pneumoniae	ICD-10-CM	Diagnosis
J14	Pneumonia due to Hemophilus influenzae	ICD-10-CM	Diagnosis
J15.0	Pneumonia due to Klebsiella pneumoniae	ICD-10-CM	Diagnosis
J15.1	Pneumonia due to Pseudomonas	ICD-10-CM	Diagnosis
J15.20	Pneumonia due to staphylococcus, unspecified	ICD-10-CM	Diagnosis
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM	Diagnosis
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
J15.29	Pneumonia due to other staphylococcus	ICD-10-CM	Diagnosis
J15.3	Pneumonia due to streptococcus, group B	ICD-10-CM	Diagnosis
J15.4	Pneumonia due to other streptococci	ICD-10-CM	Diagnosis
J15.6	Pneumonia due to other Gram-negative bacteria	ICD-10-CM	Diagnosis
J15.7	Pneumonia due to Mycoplasma pneumoniae	ICD-10-CM	Diagnosis
J15.8	Pneumonia due to other specified bacteria	ICD-10-CM	Diagnosis
J15.9	Unspecified bacterial pneumonia	ICD-10-CM	Diagnosis
J16.0	Chlamydial pneumonia	ICD-10-CM	Diagnosis
J16.8	Pneumonia due to other specified infectious organisms	ICD-10-CM	Diagnosis
J17	Pneumonia in diseases classified elsewhere	ICD-10-CM	Diagnosis
J18.0	Bronchopneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.1	Lobar pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.8	Other pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.9	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
<b>Pulmonary embolism</b>			



**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
4151	Pulmonary embolism and infarction	ICD-9-CM	Diagnosis
41511	Iatrogenic pulmonary embolism and infarction	ICD-9-CM	Diagnosis
41512	Septic pulmonary embolism	ICD-9-CM	Diagnosis
41519	Other pulmonary embolism and infarction	ICD-9-CM	Diagnosis
I26.01	Septic pulmonary embolism with acute cor pulmonale	ICD-10-CM	Diagnosis
I26.09	Other pulmonary embolism with acute cor pulmonale	ICD-10-CM	Diagnosis
I26.90	Septic pulmonary embolism without acute cor pulmonale	ICD-10-CM	Diagnosis
I26.99	Other pulmonary embolism without acute cor pulmonale	ICD-10-CM	Diagnosis
T80.0XXA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter	ICD-10-CM	Diagnosis
T81.718A	Complication of other artery following a procedure, not elsewhere classified, initial encounter	ICD-10-CM	Diagnosis
T81.72XA	Complication of vein following a procedure, not elsewhere classified, initial encounter	ICD-10-CM	Diagnosis
T82.817A	Embolism due to cardiac prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
<b>Pulmonary hypertension</b>			
416.0	Primary pulmonary hypertension	ICD-9-CM	Diagnosis
416.2	Chronic pulmonary embolism	ICD-9-CM	Diagnosis
416.8	Other chronic pulmonary heart diseases	ICD-9-CM	Diagnosis
416.9	Unspecified chronic pulmonary heart disease	ICD-9-CM	Diagnosis
I27.0	Primary pulmonary hypertension	ICD-10-CM	Diagnosis
I27.2	Other secondary pulmonary hypertension	ICD-10-CM	Diagnosis
I27.20	Pulmonary hypertension, unspecified	ICD-10-CM	Diagnosis
I27.21	Secondary pulmonary arterial hypertension	ICD-10-CM	Diagnosis
I27.22	Pulmonary hypertension due to left heart disease	ICD-10-CM	Diagnosis
I27.23	Pulmonary hypertension due to lung diseases and hypoxia	ICD-10-CM	Diagnosis
I27.24	Chronic thromboembolic pulmonary hypertension	ICD-10-CM	Diagnosis
I27.29	Other secondary pulmonary hypertension	ICD-10-CM	Diagnosis
I27.8	Other specified pulmonary heart diseases	ICD-10-CM	Diagnosis
I27.81	Cor pulmonale (chronic)	ICD-10-CM	Diagnosis
I27.82	Chronic pulmonary embolism	ICD-10-CM	Diagnosis
I27.83	Eisenmenger's syndrome	ICD-10-CM	Diagnosis
I27.89	Other specified pulmonary heart diseases	ICD-10-CM	Diagnosis
I27.9	Pulmonary heart disease, unspecified	ICD-10-CM	Diagnosis
<b>Smoking</b>			
305.1	Tobacco use disorder	ICD-9-CM	Diagnosis
649.0	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
649.00	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	ICD-9-CM	Diagnosis
649.01	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
649.02	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
649.03	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	ICD-9-CM	Diagnosis

**Appendix G. List of International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) Diagnosis and Procedure Codes to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
649.04	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
989.84	Toxic effect of tobacco	ICD-9-CM	Diagnosis
F17	Nicotine dependence	ICD-10-CM	Diagnosis
F17.2	Nicotine dependence	ICD-10-CM	Diagnosis
F17.20	Nicotine dependence, unspecified	ICD-10-CM	Diagnosis
F17.200	Nicotine dependence, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F17.201	Nicotine dependence, unspecified, in remission	ICD-10-CM	Diagnosis
F17.203	Nicotine dependence unspecified, with withdrawal	ICD-10-CM	Diagnosis
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.21	Nicotine dependence, cigarettes	ICD-10-CM	Diagnosis
F17.210	Nicotine dependence, cigarettes, uncomplicated	ICD-10-CM	Diagnosis
F17.211	Nicotine dependence, cigarettes, in remission	ICD-10-CM	Diagnosis
F17.213	Nicotine dependence, cigarettes, with withdrawal	ICD-10-CM	Diagnosis
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.220	Nicotine dependence, chewing tobacco, uncomplicated	ICD-10-CM	Diagnosis
F17.221	Nicotine dependence, chewing tobacco, in remission	ICD-10-CM	Diagnosis
F17.290	Nicotine dependence, other tobacco product, uncomplicated	ICD-10-CM	Diagnosis
F17.291	Nicotine dependence, other tobacco product, in remission	ICD-10-CM	Diagnosis
O99.33	Tobacco use disorder complicating pregnancy, childbirth, and the puerperium	ICD-10-CM	Diagnosis
O99.330	Smoking (tobacco) complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O99.331	Smoking (tobacco) complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O99.332	Smoking (tobacco) complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O99.333	Smoking (tobacco) complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O99.334	Smoking (tobacco) complicating childbirth	ICD-10-CM	Diagnosis
O99.335	Smoking (tobacco) complicating the puerperium	ICD-10-CM	Diagnosis
T65.211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.213A	Toxic effect of chewing tobacco, assault, initial encounter	ICD-10-CM	Diagnosis
T65.214A	Toxic effect of chewing tobacco, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.223A	Toxic effect of tobacco cigarettes, assault, initial encounter	ICD-10-CM	Diagnosis
T65.224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.293A	Toxic effect of other tobacco and nicotine, assault, initial encounter	ICD-10-CM	Diagnosis
T65.294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter	ICD-10-CM	Diagnosis
V15.82	Personal history of tobacco use, presenting hazards to health	ICD-9-CM	Diagnosis
Z72.0	Tobacco use	ICD-10-CM	Diagnosis
Z87.891	Personal history of nicotine dependence	ICD-10-CM	Diagnosis

**Appendix H. Specifications Defining Parameters for this Request - Exposure**

The Center for Drug Evaluation and Research (CDER) has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool version **10.2.0, with custom programming**, to examine clinical characteristics among patients with COPD and oral corticosteroid or antibiotic use in the Sentinel Distributed Database (SDD).

**Query period: March 1, 2011 - February 28, 2021**  
**Coverage requirement:** Medical and Drug  
**Pre-index enrollment requirement:** 365 days  
**Post-index enrollment requirement:** 0 days  
**Enrollment gap:** 45 days  
**Age groups:** 40-64, 65+  
**Stratifications:** Overall, year, sex, age group, quarter, CB region  
**Envelope macro:** Default

Scenario	CIDA Group	Cohort Description	Baseline output requested	Index exposure	Code list(s)	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout includes dispensings	Treatment episode gap (%)	Treatment episode extension (days)	As-Treated parameters			Censor treatment episode at evidence of
												Minimum exposure episode duration (days)	Minimum days supplied (days)	Maximum exposure episode duration (days)	
1	azi_naive	Naïve oral azithromycin users with ≥ 14 days of use; who did not have any azithromycin (ANY) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	N	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (any days supply) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>
2	azi_nonnaive	Non-naïve oral azithromycin users with ≥ 14 days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	Y	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>
3	azi_nonnaive50	Non-naïve oral azithromycin users with ≥ 14 days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	Y	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	<u>50%</u>	14 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>
4	rof_naive	Incident oral roflumilast users with ANY days of use; who did not have any azithromycin (ANY) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	N	Incident roflumilast dispensing of ANY days supply	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (any days supply) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>

Scenario	CIDA Group	Cohort Description	Exposure										Censor treatment episode at evidence of		
			Baseline output requested	Index exposure	Code list(s)	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout includes dispensings	Treatment episode gap (%)	Treatment episode extension (days)	Minimum exposure episode duration (days)		Minimum days supplied (days)	Maximum exposure episode duration (days)
5	rof_nonnaive	Incident oral roflumilast users with ANY days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	Y	Incident roflumilast dispensing of ANY days supply	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (any days supply) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>
6	rof_nonnaive50	Incident oral roflumilast users with ANY days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	Y	Incident roflumilast dispensing of ANY days supply	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	50%	14 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>
7	azi_nonnaive_sens	Non-naïve oral azithromycin users with ≥ 14 days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	Y	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>
8	rof_nonnaive_sens	Incident oral roflumilast users with ANY days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	Y	Incident roflumilast dispensing of ANY days supply	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>
9	azi_nonnaive_exc0	Non-naïve oral azithromycin users with ≥ 14 days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	Y	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>

Exposure																
Scenario	CIDA Group	Cohort Description	Baseline output requested	Index exposure	Code list(s)	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout includes dispensings	As-Treated parameters						Censor treatment episode at evidence of
										Treatment episode gap (%)	Treatment episode extension (days)	Minimum exposure episode duration (days)	Minimum days supplied (days)	Maximum exposure episode duration (days)		
10	rof_nonnaive_exc0	Incident oral roflumilast users with ANY days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	Y	Incident roflumilast dispensing of ANY days	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>	
11	azi_nonnaive_exc14	Non-naïve oral azithromycin users with ≥ 14 days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of roflumilast post-index	Y	Azithromycin (≥ 14 days)	Azithromycin	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Roflumilast initiation (ANY)</b>	
12	rof_nonnaive_exc14	Incident oral roflumilast users with ANY days of use; who did not have azithromycin (≥ 14) or roflumilast (ANY) in the 365 days prior; whose exposure episode is truncated upon initiation of azithromycin post-index	Y	Incident roflumilast dispensing of ANY days	Roflumilast	First valid index dates during query period (01)	365 days	Azithromycin (≥ 14 days) Roflumilast (any days supply)	Washout lookback period should search for evidence of days supply	25%	7 days	1	1	None	Death; Disenrollment; Query End Date; Data Partner End Date; <b>Azithromycin initiation (≥ 14 days)</b>	

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.  
NDC codes are checked against First Data Bank's "FDB MedKnowledge®."

## Appendix H. Specifications Defining Parameters for this Request - Inclusion & Exclusion

The Center for Drug Evaluation and Research (CDER) has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool version **10.2.0, with custom programming**, to examine clinical characteristics among patients with COPD and oral corticosteroid or antibiotic use in the Sentinel Distributed Database (SDD).

**Query period:** March 1, 2011 - February 28, 2021

**Coverage requirement:** Medical and Drug

**Pre-index enrollment requirement:** 365 days

**Post-index enrollment requirement:** 0 days

**Enrollment gap:** 45 days

**Age groups:** 40-64, 65+

**Stratifications:** Overall, year, sex, age group, quarter, CB region

**Envelope macro:** Default

### Inclusion / Exclusion

Condition(s)	Include or Exclude	Evaluation period start	Evaluation period end	Inclusion/Exclusion care setting	Inclusion/Exclusion evaluation should search for evidence of:	Minimum requirement found in evaluation period
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
{(ICS/LABA/LAMA combo >=183) or ((ICS/LABA combo >=183) and (LAMA-containing >=183)) or ((LABA/LAMA-combo >=183) and (ICS-containing >=183))}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
{(ICS/LABA/LAMA combo >=183) or ((ICS/LABA combo >=183) and (LAMA-containing >=183)) or ((LABA/LAMA-combo >=183) and (ICS-containing >=183))}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)



**Inclusion / Exclusion**

Condition(s)	Include or Exclude	Evaluation period start	Evaluation period end	Inclusion/Exclusion care setting	Inclusion/Exclusion evaluation should search for evidence of:	Minimum requirement found in evaluation period
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1

**Inclusion / Exclusion**

Condition(s)	Include or Exclude	Evaluation period start	Evaluation period end	Inclusion/Exclusion care setting	Inclusion/Exclusion evaluation should search for evidence of:	Minimum requirement found in evaluation period
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo) or {(ICS/LABA combo) and (LAMA-containing)} or {(LABA/LAMA-combo) and (ICS-containing)}	Include	-365	-1	Any	Date of dispensing	1 time (occurrence)

**Inclusion / Exclusion**

Condition(s)	Include or Exclude	Evaluation period start	Evaluation period end	Inclusion/Exclusion care setting	Inclusion/Exclusion evaluation should search for evidence of:	Minimum requirement found in evaluation period
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and (ICS/LABA/LAMA combo) or {(ICS/LABA combo) and (LAMA-containing)} or {(LABA/LAMA-combo) and (ICS-containing)}	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Include	-365	-1	Any	Date of dispensing	1 time (occurrence)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
COPD, and (ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
exacerbation "episodes": Exclude PATIENT if [Z, Y]	Exclude	0	0	embedded in exac definition	Adate	embedded in exac definition
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)

**Inclusion / Exclusion**

<b>Condition(s)</b>	<b>Include or Exclude</b>	<b>Evaluation period start</b>	<b>Evaluation period end</b>	<b>Inclusion/Exclusion care setting</b>	<b>Inclusion/Exclusion evaluation should search for evidence of:</b>	<b>Minimum requirement found in evaluation period</b>
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
exacerbation "episodes"	Exclude	0	0	embedded in exac definition	Adate	embedded in exac definition
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
exacerbation "episodes"	Exclude	-14	-1	embedded in exac definition	Adate	embedded in exac definition
COPD, and	Include	-365	-1	Any	Date of diagnosis	1 time (occurrence)

**Inclusion / Exclusion**

Condition(s)	Include or Exclude	Evaluation period start	Evaluation period end	Inclusion/Exclusion care setting	Inclusion/Exclusion evaluation should search for evidence of:	Minimum requirement found in evaluation period
(ICS/LABA/LAMA combo >=183) or {(ICS/LABA combo >=183) and (LAMA-containing >=183)} or {(LABA/LAMA-combo >=183) and (ICS-containing >=183)}	Include	-365	-1	Any	Date of dispensing	183 days (cumulative days supply)
Asthma, Alpha-1-antitrypsin deficiency, Sarcoidosis, Cystic Fibrosis, Bronchiectasis, ILD, pneumoconiosis or other lung disease, or AIDS with opportunistic infections (due to azithromycin use overlap; HIV diagnosis alone should not be an exclusion)	Exclude	-365	0	Any	Date of diagnosis	1
exacerbation "episodes"	Exclude	-14	-1	embedded in exac definition	Adate	embedded in exac definition

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.  
 NDC codes are checked against First Data Bank's "FDB MedKnowledge®."

**Appendix H.1. Specifications for Baseline Characteristics**

Baseline Characteristics							
Covariate #	Baseline Characteristic	Evaluation period start	Evaluation period end	Care setting	Principal diagnosis position	Evaluate evidence of:	Number of instances the covariate should be found in evaluation period
1	Anxiety	-365	-1	Any	Any	admission date for diagnosis	At least 1
2	Atrial fibrillation	-365	-1	Any	Any	admission date for diagnosis	At least 1
3	Bronchiectasis	1	Ever	Any	Any	admission date for diagnosis	At least 1
4	Cachexia	-365	-1	Any	Any	admission date for diagnosis	At least 1
5	Cancer	-365	-1	Any	Any	admission date for diagnosis	At least 1
6	Cardiovascular Disease (myocardial infarction, stroke, heart failure, angina, or transient ischemic attack)	-365	-1	Any	Any	admission date for diagnosis	At least 1
7	Chronic bronchitis	-365	-1	Any	Any	admission date for diagnosis	At least 1
8	Chronic kidney disease	-365	-1	Any	Any	admission date for diagnosis	At least 1
9	Cirrhosis	-365	-1	Any	Any	admission date for diagnosis	At least 1
10	Congestive heart failure	-365	-1	Any	Any	admission date for diagnosis	At least 1
11	Depression	-365	-1	Any	Any	admission date for diagnosis	At least 1
12	Diabetes	-365	-1	Any	Any	admission date for diagnosis	At least 1
13	Emphysematous phenotype	-365	-1	Any	Any	admission date for diagnosis	At least 1
14	GERD	-365	-1	Any	Any	admission date for diagnosis	At least 1
15	Influenza vaccination status	-365	-1	Any	Any	admission date for diagnosis	At least 1



**Appendix H.1. Specifications for Baseline Characteristics**

Baseline Characteristics							
16	Obstructive Sleep Apnea	-365	-1	Any	Any	admission date for diagnosis	At least 1
17	Oxygen therapy	-365	-1	Any	Any	admission date for diagnosis	At least 1
18	Pneumococcal vaccination status	-365	-1	Any	Any	admission date for diagnosis	At least 1
19	Pneumonia	-365	-1	Any	Any	admission date for diagnosis	At least 1
20	Pulmonary Embolus	-365	-1	Any	Any	admission date for diagnosis	At least 1
21	Pulmonary Hypertension	-365	-1	Any	Any	admission date for diagnosis	At least 1
22	Smoking (history of)	entire history	entire history	Any	Any	admission date for diagnosis	At least 1
23	Evidence of Abx dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 1
24	Evidence of Abx dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 2
25	Evidence of Abx dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 3
26	Evidence of OCS dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 1
27	Evidence of OCS dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 2
28	Evidence of OCS dispensing (alternative approach)	-365	-1	Any	Any	dispensed date	At least 3
29	Previous history of Exacerbations (consider different metrics, such as <b>number of exacerbations</b> , hospitalizations, etc). (alternative approach)	-365	-1	Any	Any	Adate	Exactly 1 time

**Appendix H.1. Specifications for Baseline Characteristics**

Baseline Characteristics							
30	Previous history of Exacerbations (consider different metrics, such as <b>number of exacerbations</b> , hospitalizations, etc). (alternative approach)	-365	-1	Any	Any	Adate	Exactly 2 times
31	Previous history of Exacerbations (consider different metrics, such as <b>number of exacerbations</b> , hospitalizations, etc). (alternative approach)	-365	-1	Any	Any	Adate	Exactly 3 times
32	Previous history of Exacerbations (consider different metrics, such as <b>number of exacerbations</b> , hospitalizations, etc). (alternative approach)	-365	-1	Any	Any	Adate	Exactly 4 times
33	Previous history of Exacerbations (consider different metrics, such as <b>number of exacerbations</b> , hospitalizations, etc). (alternative approach)	-365	-1	Any	Any	Adate	At least 5 times
34	At least 1 exacerbation, set up for exclusion [Z,Y] [0,0]	0	0	Any	Any	Adate	1
35	At least 1 exacerbation, set up for exclusion [Z,Y] [-14,-1]	-14	-1	Any	Any	Adate	1
36	dummy-COPD	entire history	entire history	Any	Any	Adate	1
37	dummy-COPD exac	entire history	entire history	Any	Any	Adate	1
38	dummy-respiratory failure	entire history	entire history	Any	Any	Adate	1
39	dummy-abx	entire history	entire history	NA	Any	dispensed date	1
40	dummy-OCS	entire history	entire history	NA	Any	dispensed date	1
41	dummy-all inpatient encounters	entire history	entire history	IP*	Any	Adate	1

**Appendix H.2. Specifications for Stockpiling**

<b>Stockpiling</b>						
<b>Group</b>	<b>Stockpiling group</b>	<b>Same day dispensing processing for days supplied</b>	<b>Same day dispensing processing for amount supplied</b>	<b>Range of allowable days supplied values</b>	<b>Range of allowable amount supplied values</b>	<b>Overlap percentage*</b>
azi_naive	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	Default: 0-HIGH	Default
azi_naive	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
azi_nonnaive	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
azi_nonnaive	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
rof_nonnaive	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
rof_nonnaive	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
azi_nonnaive50	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
azi_nonnaive50	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
rof_nonnaive50	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
rof_nonnaive50	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	

**Appendix H.2. Specifications for Stockpiling**

<b>Stockpiling</b>						
<b>Group</b>	<b>Stockpiling group</b>	<b>Same day dispensing processing for days supplied</b>	<b>Same day dispensing processing for amount supplied</b>	<b>Range of allowable days supplied values</b>	<b>Range of allowable amount supplied values</b>	<b>Overlap percentage*</b>
azi_nonnaive_sens	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
azi_nonnaive_sens	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
rof_nonnaive_sens	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
rof_nonnaive_sens	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
azi_nonnaive_exc0	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
azi_nonnaive_exc0	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
rof_nonnaive_exc0	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
rof_nonnaive_exc0	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	
azi_nonnaive_exc14	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
azi_nonnaive_exc14	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	

**Appendix H.2. Specifications for Stockpiling**

<b>Stockpiling</b>						
<b>Group</b>	<b>Stockpiling group</b>	<b>Same day dispensing processing for days supplied</b>	<b>Same day dispensing processing for amount supplied</b>	<b>Range of allowable days supplied values</b>	<b>Range of allowable amount supplied values</b>	<b>Overlap percentage*</b>
rof_nonnaive_exc14	AZI_14ormore	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	14-HIGH	0-HIGH	
rof_nonnaive_exc14	AZI_lessthan14	Adds all days supplied values for dispensings in the same stockgroup on the same day	Adds all amount values for dispensings in the same stockgroup on the same day	LOW-<14	0-HIGH	

**Appendix H.3. Specifications for Health Services Utilization**

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**Utilization**

<b>Medical utilization evaluation period start</b>	<b>Medical utilization evaluation period end</b>	<b>Drug utilization evaluation period start</b>	<b>Drug utilization evaluation period end</b>
-365	0	-365	0



**Appendix H.4. Specifications for Comorbidity Score**

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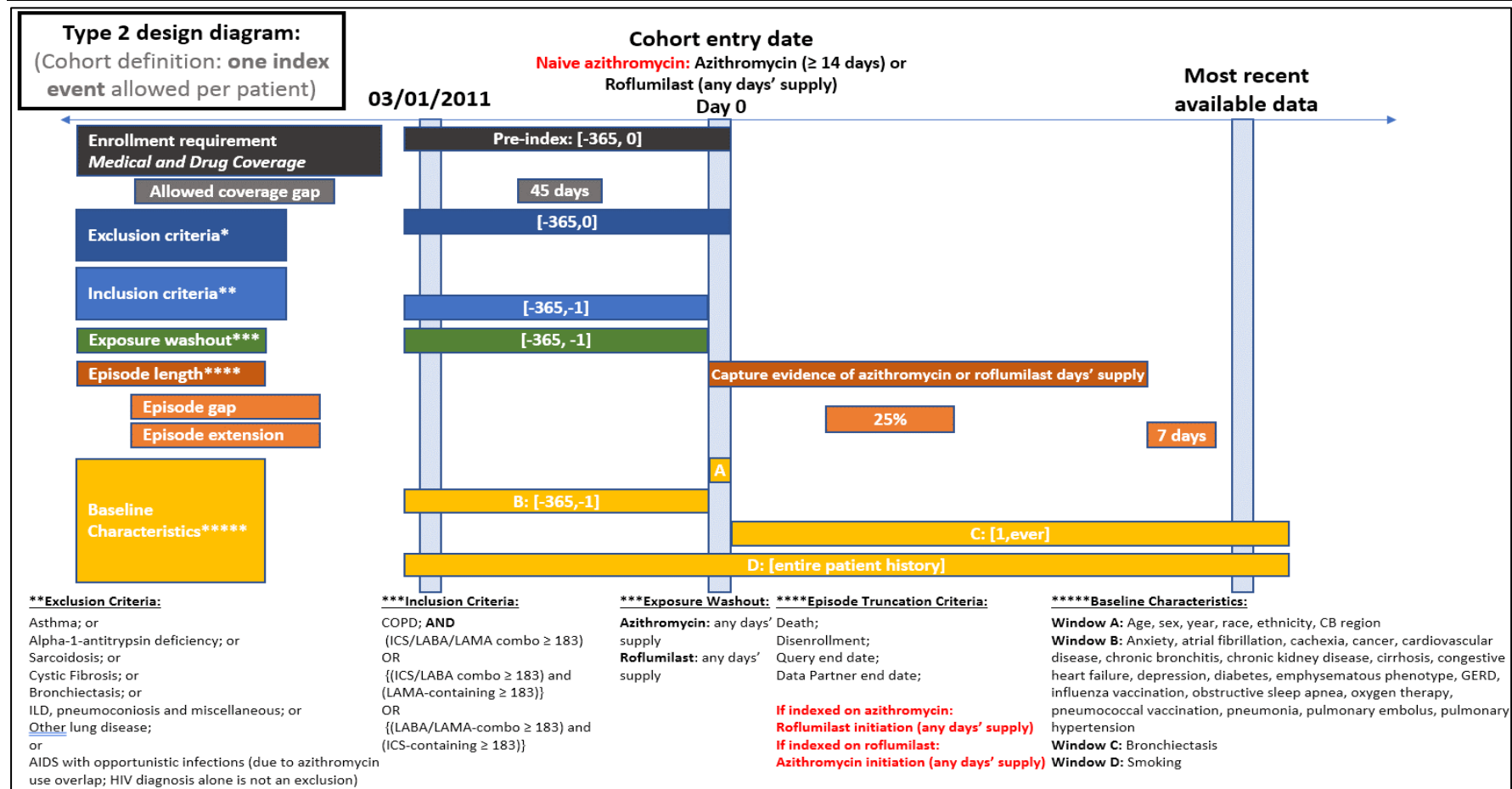
**Comorbidity Score**

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Evaluation period start	Evaluation period end
-365	0

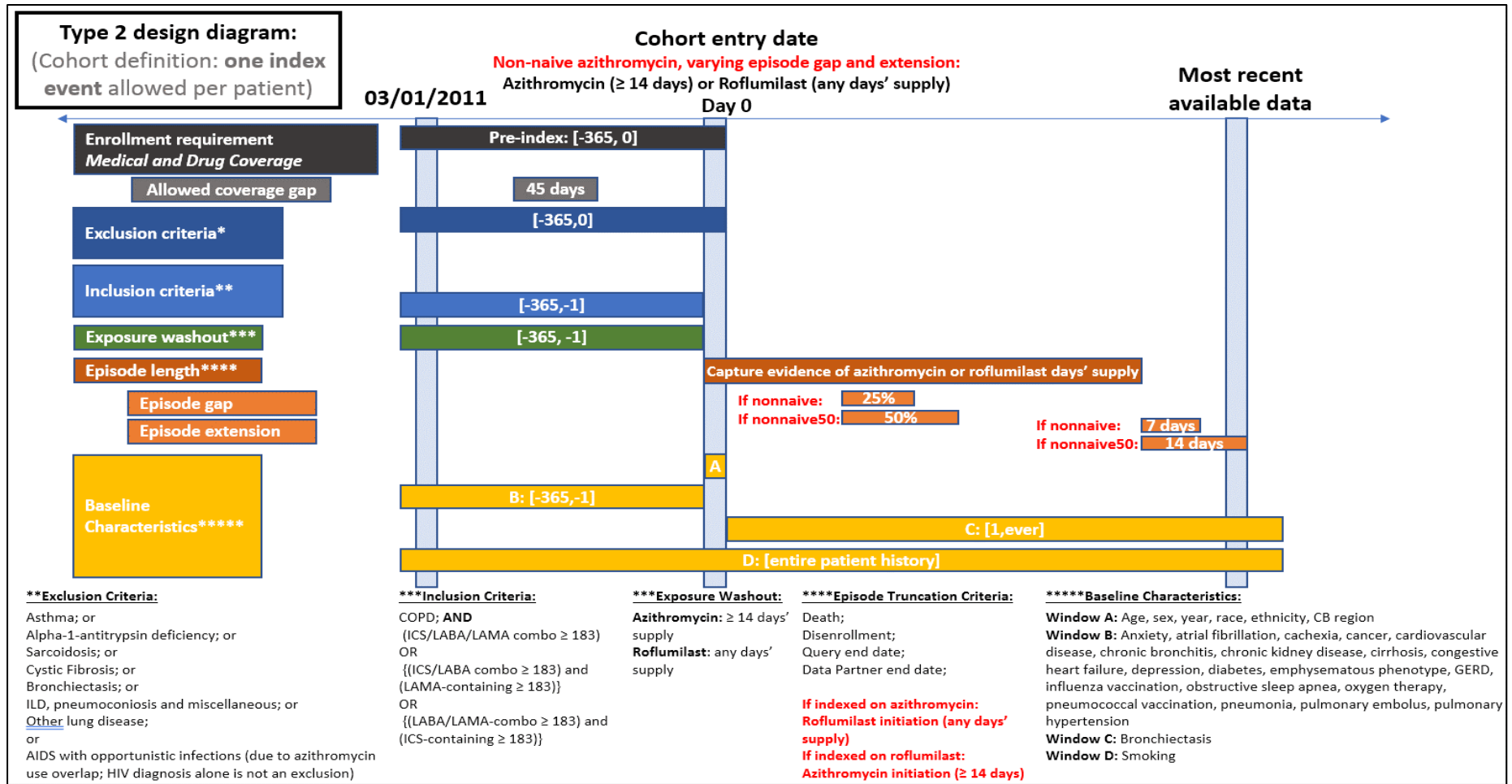
Appendix H.5. Query Design Diagrams

Figure 1. Design Diagram of Cohort Entry Requirements, Index Exposure, and Event Outcome Assessment for Scenarios 1 and 4



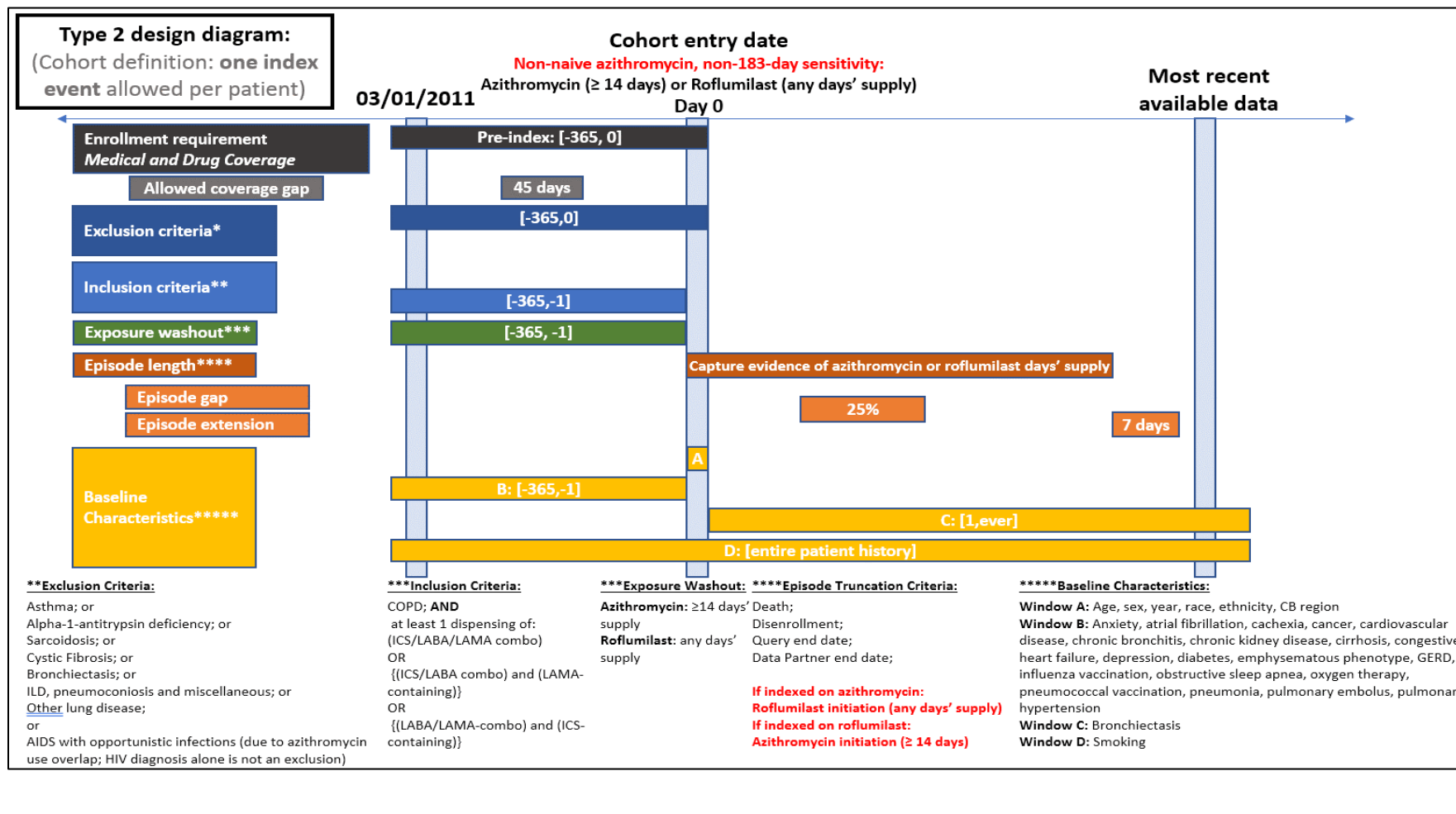
Appendix H.5. Query Design Diagrams

Figure 2. Design Diagram of Cohort Entry Requirements, Index Exposure, and Event Outcome Assessment for Scenarios 2-3 and 5-6



Appendix H.5. Query Design Diagrams

Figure 3. Design Diagram of Cohort Entry Requirements, Index Exposure, and Event Outcome Assessment for Scenarios 7-8



Appendix H.5. Query Design Diagrams

Figure 4. Design Diagram of Cohort Entry Requirements, Index Exposure, and Event Outcome Assessment for Scenarios 9-12

