

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).

If you are using a web page screen reader and are unable to access this document, please contact the Sentinel Operations Center for assistance at info@sentinelssystem.org.

Overview for Request: cder_mpl1r_wp192

Request ID: cder_mpl1r_wp192_nsdv_v01

Request Description: In this report we counted and described individuals in the Sentinel Distributed Database (SDD) with various glomerular diseases. The glomerular diseases we examined were Focal Segmental Glomerulosclerosis, IgA Nephropathy, Membranous Nephropathy, Minimal Change Disease, Membranoproliferative Glomerulonephritis, Crescentic/Necrotizing Glomerulonephritis, Lupus Nephritis, Diabetic Nephropathy, and Nephrotic Syndrome.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 10.2.1.

Data Source: We distributed this query to seven Sentinel Data Partners on March 4, 2021 and data from six are included in this report. The study period included data from April 1, 2016 to December 31, 2019. Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: We identified individuals of all ages with prevalent or incident glomerular diseases. This was a Type 1 analysis in the Query Request Package (QRP).

Events of Interest: We defined the events of interest, glomerular diseases, using International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes, sometimes in combination with Current Procedural Technology, Fourth Edition (CPT-4) procedure codes for biopsy. Please see Appendix B for the specific codes used.

For all diseases except Nephrotic Syndrome, an event was defined as either A) two diagnosis codes (in the inpatient, institutional, or ambulatory care settings) with the second code occurring one to 183 days after the first code, OR B) a renal biopsy followed by a diagnosis code from any care setting within 60 days (Definition B). For Nephrotic Syndrome, an event was defined as either A) one diagnosis code in an inpatient or institutional care setting OR B) two diagnosis codes in an ambulatory care setting with the second code occurring one to 183 days after the first code (Definition A). Whenever two codes were required, the qualifying (index) date was the second one.

After defining the index date, we designed two cohort schemes. In the first, individuals with glomerular disease could not re-enter the cohort after the index date; data from this scheme are presented in Tables 1 (baseline characteristics), 2 (overall patient counts), and 4 (patient counts stratified by sex). In the second scheme, we allowed individuals with glomerular disease to contribute all valid index dates and allowed cohort re-entry; data from this are presented in Tables 3 (patient counts stratified by year), 5 (patient counts stratified by age group), 6 (patient counts cross-stratified by sex and age group), 7 (patient counts cross-stratified by age group and year), and 8 (patient counts triple-stratified by sex, age group, and year). Thus, while true disease prevalence was not calculated in this report, patients were counted in each stratification group in which they had evidence of the disease according to our event definitions.

Cohort Eligibility Criteria: We required members to be enrolled in health plans with medical coverage for at least 183 days prior to their index glomerular disease, during which gaps in coverage of up to 45 days were allowed and treated as continuous enrollment. The following age groups were included in the cohort: 0-19, 20-29, 30-39, 40-49, 50-59, 60-69, and 70+ years.

Baseline Characteristics: We assessed the following characteristics in the 183 days prior to and including the index date of glomerular disease: age, sex, race, Hispanic origin, year, Census Bureau region, Charlson/Elixhauser combined comorbidity score, health service and drug utilization, diabetes, systemic lupus erythematosus, cancer, chronic kidney disease, and acute kidney failure. We identified these characteristics by presence of a diagnosis code in any care setting using ICD-10-CM diagnosis codes. Please see Appendix C for a list of codes used to define baseline characteristics in this request.

Limitations: The prevalence estimates in this report do not represent true disease prevalence for several reasons. First, because dedicated codes for several glomerular disease subtypes do not exist in the ICD coding system, disease definitions in this report are imperfect proxies for the diseases of interest. Variations in coding practice may have a profound influence on the prevalence estimates. Second, the algorithms used have not been validated. This is important because it is possible that the highly specific ICD codes only appear among patients receiving specialized care, whereas patients with mild diseases or in remission may only have codes for chronic kidney disease. Finally, because these codes have only been available for five years, the data is insufficient to determine the lifetime disease prevalence. Therefore, data should be interpreted with this limitation in mind.

Overview for Request: cder_mpl1r_wp192

Notes: Please contact the Sentinel Operations Center (info@sentinelsystem.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.sentinelsystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

Table of Contents

Glossary List of Terms Found in this Report and their Definitions

Table 1a Aggregated Baseline Table for Focal Segmental Glomerulosclerosis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1b Aggregated Baseline Table for IgA Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1c Aggregated Baseline Table for Membranous Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1d Aggregated Baseline Table for Minimal Change Disease - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1e Aggregated Baseline Table for Membranoproliferative Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1f Aggregated Baseline Table for Crescentic/Necrotizing Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1g Aggregated Baseline Table for Lupus Nephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1h Aggregated Baseline Table for Diabetic Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 1i Aggregated Baseline Table for Nephrotic Syndrome - Definition A in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Table 2 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, Overall; No Cohort Re-entry Allowed

Table 3 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Year; Cohort Re-entry Allowed

Table 4 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex; No Cohort Re-entry Allowed

Table 5 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group; Cohort Re-entry Allowed

Table 6 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex and Age Group; Cohort Re-entry Allowed

Table 7 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Table 8 Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Appendix A Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 4, 2021)

Appendix B List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Glomerular Disease In this Request

Appendix C List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Appendix D Specifications Defining Parameters in this Request

Appendix E Specifications Defining Parameters for Baseline Characteristics in this Request

Appendix F Diagram Detailing the Design of the Request

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*all terms may not be used in this report

Table 1a. Aggregated Baseline Table for Focal Segmental Glomerulosclerosis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Focal Segmental Glomerulosclerosis - Definition B		
Characteristic	Number	
Number of unique patients	13,467	
Demographics	Mean	Standard Deviation
Mean Age (Years)	56.6	17.4
Age (Years)	Number	Percent
0-19	492	3.7%
20-29	926	6.9%
30-39	1,386	10.3%
40-49	1,737	12.9%
50-59	2,137	15.9%
60-69	3,149	23.4%
70+	3,640	27.0%
Sex		
Female	5,723	42.5%
Male	7,744	57.5%
Race		
Unknown	4,655	34.6%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	85	0.6%
Asian	310	2.3%
Black or African American	2,579	19.2%
White	5,838	43.4%
Hispanic Origin	514	3.8%
Year		
2016	3,382	25.1%
2017	3,126	23.2%
2018	3,298	24.5%
2019	3,661	27.2%
Census Bureau Region		
Northeast	2,144	15.9%
Midwest	2,818	20.9%
South	5,909	43.9%
West	2,534	18.8%
Other ¹	62	0.5%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	4.3	2.9
	Number	Percent
Diabetes	4,967	36.9%
Acute Kidney Injury	4,893	36.3%
Chronic Kidney Disease	13,467	100.0%
Hypertension	12,349	91.7%
Cancer	1,584	11.8%
Lupus	458	3.4%

Table 1a. Aggregated Baseline Table for Focal Segmental Glomerulosclerosis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Focal Segmental Glomerulosclerosis - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	30.3	36.4
Mean number of emergency room encounters	0.7	1.7
Mean number of inpatient hospital encounters	0.7	1.1
Mean number of non-acute institutional encounters	0.1	0.4
Mean number of other ambulatory encounters	8.5	12.3

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 1b. Aggregated Baseline Table for IgA Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

		IgA Nephropathy - Definition B	
Characteristic	Number		
Number of unique patients	7,568		
Demographics	Mean	Standard Deviation	
Mean Age (Years)	58.5	16.7	
Age (Years)	Number	Percent	
0-19	222	2.9%	
20-29	410	5.4%	
30-39	670	8.9%	
40-49	966	12.8%	
50-59	1,214	16.0%	
60-69	1,843	24.4%	
70+	2,243	29.6%	
Sex			
Female	3,435	45.4%	
Male	4,133	54.6%	
Race			
Unknown	2,381	31.5%	
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	59	0.8%	
Asian	194	2.6%	
Black or African American	1,254	16.6%	
White	3,680	48.6%	
Hispanic Origin	278	3.7%	
Year			
2016	3,285	43.4%	
2017	1,753	23.2%	
2018	1,407	18.6%	
2019	1,123	14.8%	
Census Bureau Region			
Northeast	1,424	18.8%	
Midwest	1,422	18.8%	
South	3,150	41.6%	
West	1,528	20.2%	
Other ¹	44	0.6%	
Recorded History of:	Mean	Standard Deviation	
Charlson/Elixhauser Combined Comorbidity Score ²	4.5	3	
	Number	Percent	
Diabetes	2,428	32.1%	
Acute Kidney Injury	2,295	30.3%	
Chronic Kidney Disease	7,447	98.4%	
Hypertension	6,533	86.3%	
Cancer	874	11.5%	
Lupus	607	8.0%	

Table 1b. Aggregated Baseline Table for IgA Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	IgA Nephropathy - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	36.4	39.7
Mean number of emergency room encounters	0.6	1.2
Mean number of inpatient hospital encounters	0.6	1.1
Mean number of non-acute institutional encounters	0.1	0.4
Mean number of other ambulatory encounters	9.5	13.4

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 Membranous Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Membranous Nephropathy - Definition B		
Characteristic	Number	
Number of unique patients	7,102	
Demographics	Mean	Standard Deviation
Mean Age (Years)	62.3	14.1
	Number	Percent
Age (Years)		
0-19	106	1.5%
20-29	253	3.6%
30-39	420	5.9%
40-49	689	9.7%
50-59	1,107	15.6%
60-69	1,994	28.1%
70+	2,533	35.7%
Sex		
Female	2,932	41.3%
Male	4,170	58.7%
Race		
Unknown	2,481	34.9%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	40	0.6%
Asian	138	1.9%
Black or African American	818	11.5%
White	3,625	51.0%
Hispanic Origin	200	2.8%
Year		
2016	2,456	34.6%
2017	1,713	24.1%
2018	1,545	21.8%
2019	1,388	19.5%
Census Bureau Region		
Northeast	1,475	20.8%
Midwest	1,443	20.3%
South	2,818	39.7%
West	1,338	18.8%
Other ¹	28	0.4%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	3.8	3.1
	Number	Percent
Diabetes	2,189	30.8%
Acute Kidney Injury	2,096	29.5%
Chronic Kidney Disease	7,102	100.0%
Hypertension	6,191	87.2%
Cancer	969	13.6%
Lupus	588	8.3%

Table 1c. Aggregated Baseline Table for Membranous Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Membranous Nephropathy - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	19.7	22.7
Mean number of emergency room encounters	0.5	1.2
Mean number of inpatient hospital encounters	0.5	1
Mean number of non-acute institutional encounters	0.1	0.3
Mean number of other ambulatory encounters	6.7	10.6

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 1d. Aggregated Baseline Table for Minimal Change Disease - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Minimal Change Disease - Definition B		
Characteristic	Number	
Number of unique patients	11,916	
Demographics	Mean	Standard Deviation
Mean Age (Years)	60.7	16.8
Age (Years)	Number	Percent
0-19	793	6.7%
20-29	572	4.8%
30-39	732	6.1%
40-49	902	7.6%
50-59	1,338	11.2%
60-69	2,739	23.0%
70+	4,840	40.6%
Sex		
Female	5,435	45.6%
Male	6,481	54.4%
Race		
Unknown	4,573	38.4%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	50	0.4%
Asian	242	2.0%
Black or African American	1,031	8.7%
White	6,020	50.5%
Hispanic Origin	224	1.9%
Year		
2016	3,075	25.8%
2017	2,861	24.0%
2018	3,260	27.4%
2019	2,720	22.8%
Census Bureau Region	2535	21.3%
Northeast		
Midwest	2,882	24.2%
South	4,253	35.7%
West	2,172	18.2%
Other ¹	74	0.6%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	3.4	3
	Number	Percent
Diabetes	4,537	38.1%
Acute Kidney Injury	3,232	27.1%
Chronic Kidney Disease	11,916	100.0%
Hypertension	9,446	79.3%
Cancer	1,546	13.0%
Lupus	344	2.9%

Table 1d. Aggregated Baseline Table for Minimal Change Disease - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Minimal Change Disease - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	15.5	15.3
Mean number of emergency room encounters	0.5	1.1
Mean number of inpatient hospital encounters	0.5	0.9
Mean number of non-acute institutional encounters	0.1	0.3
Mean number of other ambulatory encounters	5.9	10.4

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 Membranoproliferative Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Membranoproliferative Glomerulonephritis - Definition B		
Characteristic	Number	
Number of unique patients	5,673	
Demographics	Mean	Standard Deviation
Mean Age (Years)	58	17.4
	Number	Percent
Age (Years)		
0-19	293	5.2%
20-29	385	6.8%
30-39	435	7.7%
40-49	541	9.5%
50-59	823	14.5%
60-69	1,494	26.3%
70+	1,702	30.0%
Sex		
Female	2,653	46.8%
Male	3,020	53.2%
Race		
Unknown	1,876	33.1%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	51	0.9%
Asian	166	2.9%
Black or African American	569	10.0%
White	3,011	53.1%
Hispanic Origin	216	3.8%
Year		
2016	2,105	37.1%
2017	1,407	24.8%
2018	1,185	20.9%
2019	976	17.2%
Census Bureau Region		
Northeast	1,108	19.5%
Midwest	1,383	24.4%
South	1,982	34.9%
West	1,182	20.8%
Other ¹	18	0.3%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	5	3.2
	Number	Percent
Diabetes	1,738	30.6%
Acute Kidney Injury	2,111	37.2%
Chronic Kidney Disease	>5,662	>99.9%
Hypertension	4,940	87.1%
Cancer	1,029	18.1%
Lupus	385	6.8%

Table 1e. Aggregated Baseline Table for Membranoproliferative Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Membranoproliferative Glomerulonephritis - Definition B		
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters	27.8	33
Mean number of emergency room encounters	0.7	1.5
Mean number of inpatient hospital encounters	0.8	1.3
Mean number of non-acute institutional encounters	0.1	0.5
Mean number of other ambulatory encounters	9.7	14.2

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 1f. Aggregated Baseline Table for Crescentic/Necrotizing Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Crescentic/Necrotizing Glomerulonephritis - Definition B		
Characteristic	Number	
Number of unique patients	6,315	
Demographics	Mean	Standard Deviation
Mean Age (Years)	66.4	14.5
Age (Years)	Number	Percent
0-19	135	2.1%
20-29	170	2.7%
30-39	246	3.9%
40-49	339	5.4%
50-59	642	10.2%
60-69	1,624	25.7%
70+	3,159	50.0%
Sex		
Female	3,418	54.1%
Male	2,897	45.9%
Race		
Unknown	1,799	28.5%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	66	1.0%
Asian	133	2.1%
Black or African American	464	7.3%
White	3,853	61.0%
Hispanic Origin	245	3.9%
Year		
2016	1,462	23.2%
2017	1,544	24.4%
2018	1,723	27.3%
2019	1,586	25.1%
Census Bureau Region		
Northeast	894	14.2%
Midwest	1,464	23.2%
South	2,301	36.4%
West	1,641	26.0%
Other ¹	15	0.2%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	5.9	3.2
	Number	Percent
Diabetes	2,133	33.8%
Acute Kidney Injury	4,664	73.9%
Chronic Kidney Disease	6,189	98.0%
Hypertension	5,691	90.1%
Cancer	878	13.9%
Lupus	440	7.0%

Table 1f. Aggregated Baseline Table for Crescentic/Necrotizing Glomerulonephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Crescentic/Necrotizing Glomerulonephritis - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	22.6	26.3
Mean number of emergency room encounters	0.8	2.1
Mean number of inpatient hospital encounters	1.2	1.2
Mean number of non-acute institutional encounters	0.1	0.5
Mean number of other ambulatory encounters	11.4	13.8

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 Lupus Nephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

		Lupus Nephritis - Definition B	
Characteristic	Number		
Number of unique patients	32,813		
Demographics	Mean	Standard Deviation	
Mean Age (Years)	47.9	15.9	
Age (Years)	Number	Percent	
0-19	998	3.0%	
20-29	4,390	13.4%	
30-39	6,489	19.8%	
40-49	6,393	19.5%	
50-59	5,896	18.0%	
60-69	5,247	16.0%	
70+	3,400	10.4%	
Sex			
Female	27,191	82.9%	
Male	5,622	17.1%	
Race			
Unknown	13,531	41.2%	
American Indian, Alaska Native, Native Hawaiian or Other Pacific Islander	237	0.7%	
Asian	1,263	3.8%	
Black or African American	8,906	27.1%	
White	8,876	27.1%	
Hispanic Origin	2,363	7.2%	
Year			
2016	12,888	39.3%	
2017	7,755	23.6%	
2018	6,519	19.9%	
2019	5,651	17.2%	
Census Bureau Region			
Northeast	5,555	16.9%	
Midwest	6,048	18.4%	
South	14,283	43.5%	
West	6,768	20.6%	
Other ¹	159	0.5%	
Recorded History of:	Mean	Standard Deviation	
Charlson/Elixhauser Combined Comorbidity Score ²	3.8	3.1	
	Number	Percent	
Diabetes	6,696	20.4%	
Acute Kidney Injury	7,416	22.6%	
Chronic Kidney Disease	24,037	73.3%	
Hypertension	25,261	77.0%	
Cancer	2,108	6.4%	
Lupus	32,813	100.0%	

Table 1g. Aggregated Baseline Table for Lupus Nephritis - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Lupus Nephritis - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	30.2	36
Mean number of emergency room encounters	0.9	2.3
Mean number of inpatient hospital encounters	0.7	1.3
Mean number of non-acute institutional encounters	0.1	0.4
Mean number of other ambulatory encounters	8.5	13.8

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 1h. Aggregated Baseline Table for Diabetic Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Diabetic Nephropathy - Definition B		
Characteristic	Number	
Number of unique patients	1,115,125	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.1	11.6
Age (Years)	Number	Percent
0-19	452	0.0%
20-29	3,661	0.3%
30-39	17,462	1.6%
40-49	50,591	4.5%
50-59	127,816	11.5%
60-69	313,880	28.1%
70+	601,263	53.9%
Sex		
Female	512,681	46.0%
Male	602,444	54.0%
Race		
Unknown	236,226	21.2%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	9,242	0.8%
Asian	33,819	3.0%
Black or African American	152,536	13.7%
White	683,302	61.3%
Hispanic Origin	42,297	3.8%
Year		
2016	413,365	37.1%
2017	275,695	24.7%
2018	225,619	20.2%
2019	200,446	18.0%
Census Bureau Region		
Northeast	200,424	18.0%
Midwest	242,765	21.8%
South	442,413	39.7%
Other ¹	223,551	20.0%
Other ²	5,972	0.5%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	4.8	3.4
	Number	Percent
Diabetes	1,115,125	100.0%
Acute Kidney Injury	255,824	22.9%
Chronic Kidney Disease	1,115,125	100.0%
Hypertension	1,046,477	93.8%
Cancer	135,303	12.1%
Lupus	6,151	0.6%

Table 1h. Aggregated Baseline Table for Diabetic Nephropathy - Definition B in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Diabetic Nephropathy - Definition B	
	Mean	Standard Deviation
Mean number of ambulatory encounters	22.1	26.5
Mean number of emergency room encounters	0.6	1.5
Mean number of inpatient hospital encounters	0.6	1.1
Mean number of non-acute institutional encounters	0.2	0.6
Mean number of other ambulatory encounters	9.1	15.8

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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 1i. Aggregated Baseline Table for Nephrotic Syndrome - Definition A in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Nephrotic Syndrome - Definition A		
Characteristic	Number	
Number of unique patients	89,136	
Demographics	Mean	Standard Deviation
Mean Age (Years)	61.8	16.9
Age (Years)	Number	Percent
0-19	3,569	4.0%
20-29	3,326	3.7%
30-39	5,367	6.0%
40-49	7,750	8.7%
50-59	12,704	14.3%
60-69	22,419	25.2%
70+	34,001	38.1%
Sex		
Female	40,426	45.4%
Male	48,710	54.6%
Race		
Unknown	27,304	30.6%
American Indian or Alaska Native or Native Hawaiian or Other Pacific Islander	885	1.00%
Asian	2,544	2.9%
Black or African American	12,312	13.8%
White	46,091	51.7%
Hispanic Origin	3,528	4.0%
Year		
2016	26,974	30.3%
2017	21,825	24.5%
2018	20,846	23.4%
2019	19,491	21.9%
Census Bureau Region		
Northeast	15,132	17.0%
Midwest	18,821	21.1%
South	35,637	40.0%
West	19,042	21.4%
Other ¹	504	0.6%
Recorded History of:	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	5.5	3.6
	Number	Percent
Diabetes	46,278	51.9%
Acute Kidney Injury	42,186	47.3%
Chronic Kidney Disease	89,136	100.0%
Hypertension	78,886	88.5%
Cancer	13,961	15.7%
Lupus	3,685	4.1%

Table 1i. Aggregated Baseline Table for Nephrotic Syndrome - Definition A in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019

Health Service Utilization Intensity:	Nephrotic Syndrome - Definition A	
	Mean	Standard Deviation
Mean number of ambulatory encounters	22.9	27.3
Mean number of emergency room encounters	0.8	1.8
Mean number of inpatient hospital encounters	1.1	1.4
Mean number of non-acute institutional encounters	0.2	0.6
Mean number of other ambulatory encounters	11.2	17

¹Other includes values of Other (Northern Mariana Islands, Marshall Islands, Puerto Rico, US Virgin Islands, American Samoa, Micronesia, Guam, Palau), Missing, and Invalid (Recorded geographic location does not match any identifiers per the Sentinel Common Data Model definition.)

²The 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. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, Overall; No Cohort Re-entry Allowed

	Patients with Evidence of Disease	Eligible Members¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years¹
Focal Segmental Glomerulosclerosis - Definition B	13,467	146,857,631	0.92	315,297,787.3
IgA Nephropathy - Definition B	7,568	146,857,631	0.52	315,303,990.0
Membranous Nephropathy - Definition B	7,102	146,857,631	0.48	315,306,041.1
Minimal Change Disease - Definition B	11,916	146,857,631	0.81	315,299,407.6
Membranoproliferative Glomerulonephritis - Definition B	5,673	146,857,631	0.39	315,308,549.7
Crescentic/Necrotizing Glomerulonephritis - Definition B	6,315	146,857,631	0.43	315,309,756.2
Lupus Nephritis - Definition B	32,813	146,857,631	2.23	315,259,619.4
Diabetic Nephropathy - Definition B	1,115,125	146,857,631	75.93	313,335,501.3
Nephrotic Syndrome - Definition A	89,136	146,857,631	6.07	315,185,965.4

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 3. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
2016	3,382	96,714,985	0.35	64,028,971.9
2017	4,877	100,934,839	0.48	85,431,584.7
2018	5,685	98,468,786	0.58	83,501,457.0
2019	6,476	99,218,560	0.65	82,356,656.3
IgA Nephropathy - Definition B				
2016	3,285	96,714,985	0.34	64,028,971.9
2017	3,664	100,934,839	0.36	85,431,584.7
2018	3,424	98,468,786	0.35	83,501,457.0
2019	2,948	99,218,560	0.30	82,356,656.3
Membranous Nephropathy - Definition B				
2016	2,456	96,714,985	0.25	64,028,971.9
2017	2,997	100,934,839	0.30	85,431,584.7
2018	3,075	98,468,786	0.31	83,501,457.0
2019	3,027	99,218,560	0.31	82,356,656.3
Minimal Change Disease - Definition B				
2016	3,075	96,714,985	0.32	64,028,971.9
2017	4,625	100,934,839	0.46	85,431,584.7
2018	5,768	98,468,786	0.59	83,501,457.0
2019	5,717	99,218,560	0.58	82,356,656.3
Membranoproliferative Glomerulonephritis - Definition B				
2016	2,105	96,714,985	0.22	64,028,971.9
2017	2,483	100,934,839	0.25	85,431,584.7
2018	2,439	98,468,786	0.25	83,501,457.0
2019	2,318	99,218,560	0.23	82,356,656.3
Crescentic/Necrotizing Glomerulonephritis - Definition B				
2016	1,462	96,714,985	0.15	64,028,971.9
2017	2,054	100,934,839	0.20	85,431,584.7
2018	2,406	98,468,786	0.24	83,501,457.0
2019	2,512	99,218,560	0.25	82,356,656.3
Lupus Nephritis - Definition B				
2016	12,888	96,714,985	1.33	64,028,971.9
2017	16,354	100,934,839	1.62	85,431,584.7
2018	17,466	98,468,786	1.77	83,501,457.0
2019	17,730	99,218,560	1.79	82,356,656.3
Diabetic Nephropathy - Definition B				
2016	413,365	96,714,985	42.74	64,028,971.9
2017	506,117	100,934,839	50.14	85,431,584.7
2018	509,442	98,468,786	51.74	83,501,457.0
2019	508,154	99,218,560	51.22	82,356,656.3

Table 3. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Nephrotic Syndrome - Definition A				
2016	26,974	96,714,985	2.79	64,028,971.9
2017	33,773	100,934,839	3.35	85,431,584.7
2018	35,085	98,468,786	3.56	83,501,457.0
2019	34,960	99,218,560	3.52	82,356,656.3

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 4. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex; No Cohort Re-entry Allowed

Sex	Patients with Evidence of Disease	Eligible Members ¹	Patients With Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
Female	5,723	75,876,661	0.75	164,974,039.3
Male	7,744	70,980,970	1.09	150,323,748.0
IgA Nephropathy - Definition B				
Female	3,435	75,876,661	0.45	164,976,252.9
Male	4,133	70,980,970	0.58	150,327,737.1
Membranous Nephropathy - Definition B				
Female	2,932	75,876,661	0.39	164,977,659.7
Male	4,170	70,980,970	0.59	150,328,381.4
Minimal Change Disease - Definition B				
Female	5,435	75,876,661	0.72	164,974,067.4
Male	6,481	70,980,970	0.91	150,325,340.2
Membranoproliferative Glomerulonephritis - Definition B				
Female	2,653	75,876,661	0.35	164,978,105.1
Male	3,020	70,980,970	0.43	150,330,444.5
Crescentic/Necrotizing Glomerulonephritis - Definition B				
Female	3,418	75,876,661	0.45	164,978,041.4
Male	2,897	70,980,970	0.41	150,331,714.8
Lupus Nephritis - Definition B				
Female	27,191	75,876,661	3.58	164,933,693.0
Male	5,622	70,980,970	0.79	150,325,926.4
Diabetic Nephropathy - Definition B				
Female	512,681	75,876,661	67.57	164,066,507.6
Male	602,444	70,980,970	84.87	149,268,993.8
Nephrotic Syndrome - Definition A				
Female	40,426	75,876,661	5.33	164,923,162.5
Male	48,710	70,980,970	6.86	150,262,802.9

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 5. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group; Cohort Re-entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
0-19	492	25,473,138	0.19	45,014,489.8
20-29	956	21,417,419	0.45	29,030,038.3
30-39	1,481	20,530,444	0.72	31,438,979.1
40-49	1,840	19,891,760	0.93	33,451,462.5
50-59	2,262	21,708,059	1.04	38,723,886.2
60-69	3,285	30,035,198	1.09	53,769,406.7
70+	3,910	32,209,688	1.21	83,890,407.3
IgA Nephropathy - Definition B				
0-19	222	25,473,138	0.09	45,014,489.8
20-29	425	21,417,419	0.20	29,030,038.3
30-39	709	20,530,444	0.35	31,438,979.1
40-49	1,035	19,891,760	0.52	33,451,462.5
50-59	1,311	21,708,059	0.60	38,723,886.2
60-69	1,966	30,035,198	0.65	53,769,406.7
70+	2,428	32,209,688	0.75	83,890,407.3
Membranous Nephropathy - Definition B				
0-19	106	25,473,138	0.04	45,014,489.8
20-29	262	21,417,419	0.12	29,030,038.3
30-39	443	20,530,444	0.22	31,438,979.1
40-49	729	19,891,760	0.37	33,451,462.5
50-59	1,157	21,708,059	0.53	38,723,886.2
60-69	2,099	30,035,198	0.70	53,769,406.7
70+	2,736	32,209,688	0.85	83,890,407.3
Minimal Change Disease - Definition B				
0-19	793	25,473,138	0.31	45,014,489.8
20-29	601	21,417,419	0.28	29,030,038.3
30-39	769	20,530,444	0.37	31,438,979.1
40-49	957	19,891,760	0.48	33,451,462.5
50-59	1,403	21,708,059	0.65	38,723,886.2
60-69	2,834	30,035,198	0.94	53,769,406.7
70+	5,164	32,209,688	1.60	83,890,407.3
Membranoproliferative Glomerulonephritis - Definition B				
0-19	293	25,473,138	0.12	45,014,489.8
20-29	417	21,417,419	0.19	29,030,038.3
30-39	463	20,530,444	0.23	31,438,979.1
40-49	573	19,891,760	0.29	33,451,462.5
50-59	875	21,708,059	0.40	38,723,886.2
60-69	1,563	30,035,198	0.52	53,769,406.7
70+	1,859	32,209,688	0.58	83,890,407.3

Table 5. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group; Cohort Re-entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Crescentic/Necrotizing Glomerulonephritis - Definition B				
0-19	135	25,473,138	0.05	45,014,489.8
20-29	171	21,417,419	0.08	29,030,038.3
30-39	251	20,530,444	0.12	31,438,979.1
40-49	353	19,891,760	0.18	33,451,462.5
50-59	656	21,708,059	0.30	38,723,886.2
60-69	1,664	30,035,198	0.55	53,769,406.7
70+	3,286	32,209,688	1.02	83,890,407.3
Lupus Nephritis - Definition B				
0-19	998	25,473,138	0.39	45,014,489.8
20-29	4,642	21,417,419	2.17	29,030,038.3
30-39	7,320	20,530,444	3.57	31,438,979.1
40-49	7,263	19,891,760	3.65	33,451,462.5
50-59	6,644	21,708,059	3.06	38,723,886.2
60-69	5,839	30,035,198	1.94	53,769,406.7
70+	3,928	32,209,688	1.22	83,890,407.3
Diabetic Nephropathy - Definition B				
0-19	452	25,473,138	0.18	45,014,489.8
20-29	3,725	21,417,419	1.74	29,030,038.3
30-39	18,011	20,530,444	8.77	31,438,979.1
40-49	52,743	19,891,760	26.51	33,451,462.5
50-59	133,671	21,708,059	61.58	38,723,886.2
60-69	328,092	30,035,198	109.24	53,769,406.7
70+	643,676	32,209,688	199.84	83,890,407.3
Nephrotic Syndrome - Definition A				
0-19	3,569	25,473,138	1.40	45,014,489.8
20-29	3,480	21,417,419	1.62	29,030,038.3
30-39	5,635	20,530,444	2.74	31,438,979.1
40-49	8,130	19,891,760	4.09	33,451,462.5
50-59	13,172	21,708,059	6.07	38,723,886.2
60-69	23,217	30,035,198	7.73	53,769,406.7
70+	35,722	32,209,688	11.09	83,890,407.3

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 6. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex and Age Group; Cohort Re-Entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
<i>Female</i>				
0-19	230	12,457,773	0.18	22,002,748.8
20-29	425	10,682,982	0.40	14,388,391.0
30-39	715	10,334,405	0.69	15,879,402.0
40-49	873	10,054,222	0.87	16,952,207.7
50-59	949	11,049,300	0.86	19,738,869.8
60-69	1,316	15,678,516	0.84	28,179,573.2
70+	1,539	18,139,646	0.85	47,841,688.0
<i>Male</i>				
0-19	262	13,015,365	0.20	23,011,740.9
20-29	531	10,734,437	0.49	14,641,647.3
30-39	766	10,196,039	0.75	15,559,577.1
40-49	967	9,837,538	0.98	16,499,254.8
50-59	1,313	10,658,759	1.23	18,985,016.4
60-69	1,969	14,356,682	1.37	25,589,833.5
70+	2,371	14,070,042	1.69	36,048,719.3
IgA Nephropathy - Definition B				
<i>Female</i>				
0-19	110	12,457,773	0.09	22,002,748.8
20-29	229	10,682,982	0.21	14,388,391.0
30-39	353	10,334,405	0.34	15,879,402.0
40-49	488	10,054,222	0.49	16,952,207.7
50-59	533	11,049,300	0.48	19,738,869.8
60-69	816	15,678,516	0.52	28,179,573.2
70+	1,123	18,139,646	0.62	47,841,688.0
<i>Male</i>				
0-19	112	13,015,365	0.09	23,011,740.9
20-29	196	10,734,437	0.18	14,641,647.3
30-39	356	10,196,039	0.35	15,559,577.1
40-49	547	9,837,538	0.56	16,499,254.8
50-59	778	10,658,759	0.73	18,985,016.4
60-69	1,150	14,356,682	0.80	25,589,833.5
70+	1,305	14,070,042	0.93	36,048,719.3
Membranous Nephropathy - Definition B				
<i>Female</i>				
0-19	52	12,457,773	0.04	22,002,748.8
20-29	154	10,682,982	0.14	14,388,391.0
30-39	235	10,334,405	0.23	15,879,402.0
40-49	339	10,054,222	0.34	16,952,207.7
50-59	442	11,049,300	0.40	19,738,869.8
60-69	788	15,678,516	0.50	28,179,573.2
70+	1,083	18,139,646	0.60	47,841,688.0

Table 6. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex and Age Group; Cohort Re-Entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years¹
<i>Male</i>				
0-19	54	13,015,365	0.04	23,011,740.9
20-29	108	10,734,437	0.10	14,641,647.3
30-39	208	10,196,039	0.20	15,559,577.1
40-49	390	9,837,538	0.40	16,499,254.8
50-59	715	10,658,759	0.67	18,985,016.4
60-69	1,311	14,356,682	0.91	25,589,833.5
70+	1,653	14,070,042	1.17	36,048,719.3
Minimal Change Disease - Definition B				
<i>Female</i>				
0-19	303	12,457,773	0.24	22,002,748.8
20-29	285	10,682,982	0.27	14,388,391.0
30-39	389	10,334,405	0.38	15,879,402.0
40-49	490	10,054,222	0.49	16,952,207.7
50-59	654	11,049,300	0.59	19,738,869.8
60-69	1,286	15,678,516	0.82	28,179,573.2
70+	2,301	18,139,646	1.27	47,841,688.0
<i>Male</i>				
0-19	490	13,015,365	0.38	23,011,740.9
20-29	316	10,734,437	0.29	14,641,647.3
30-39	380	10,196,039	0.37	15,559,577.1
40-49	467	9,837,538	0.47	16,499,254.8
50-59	749	10,658,759	0.70	18,985,016.4
60-69	1,548	14,356,682	1.08	25,589,833.5
70+	2,863	14,070,042	2.03	36,048,719.3
Membranoproliferative Glomerulonephritis - Definition B				
<i>Female</i>				
0-19	151	12,457,773	0.12	22,002,748.8
20-29	213	10,682,982	0.20	14,388,391.0
30-39	258	10,334,405	0.25	15,879,402.0
40-49	267	10,054,222	0.27	16,952,207.7
50-59	376	11,049,300	0.34	19,738,869.8
60-69	694	15,678,516	0.44	28,179,573.2
70+	885	18,139,646	0.49	47,841,688.0
<i>Male</i>				
0-19	142	13,015,365	0.11	23,011,740.9
20-29	204	10,734,437	0.19	14,641,647.3
30-39	205	10,196,039	0.20	15,559,577.1
40-49	306	9,837,538	0.31	16,499,254.8
50-59	499	10,658,759	0.47	18,985,016.4
60-69	869	14,356,682	0.61	25,589,833.5
70+	974	14,070,042	0.69	36,048,719.3

Table 6. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex and Age Group; Cohort Re-Entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Crescentic/Necrotizing Glomerulonephritis - Definition B				
<i>Female</i>				
0-19	74	12,457,773	0.06	22,002,748.8
20-29	93	10,682,982	0.09	14,388,391.0
30-39	129	10,334,405	0.12	15,879,402.0
40-49	173	10,054,222	0.17	16,952,207.7
50-59	308	11,049,300	0.28	19,738,869.8
60-69	856	15,678,516	0.55	28,179,573.2
70+	1,889	18,139,646	1.04	47,841,688.0
<i>Male</i>				
0-19	61	13,015,365	0.05	23,011,740.9
20-29	78	10,734,437	0.07	14,641,647.3
30-39	122	10,196,039	0.12	15,559,577.1
40-49	180	9,837,538	0.18	16,499,254.8
50-59	348	10,658,759	0.33	18,985,016.4
60-69	808	14,356,682	0.56	25,589,833.5
70+	1,397	14,070,042	0.99	36,048,719.3
Lupus Nephritis - Definition B				
<i>Female</i>				
0-19	803	12,457,773	0.64	22,002,748.8
20-29	3,920	10,682,982	3.67	14,388,391.0
30-39	6,235	10,334,405	6.03	15,879,402.0
40-49	6,139	10,054,222	6.11	16,952,207.7
50-59	5,586	11,049,300	5.06	19,738,869.8
60-69	4,711	15,678,516	3.00	28,179,573.2
70+	3,012	18,139,646	1.66	47,841,688.0
<i>Male</i>				
0-19	195	13,015,365	0.15	23,011,740.9
20-29	722	10,734,437	0.67	14,641,647.3
30-39	1,085	10,196,039	1.06	15,559,577.1
40-49	1,124	9,837,538	1.14	16,499,254.8
50-59	1,058	10,658,759	0.99	18,985,016.4
60-69	1,128	14,356,682	0.79	25,589,833.5
70+	916	14,070,042	0.65	36,048,719.3
Diabetic Nephropathy - Definition B				
<i>Female</i>				
0-19	240	12,457,773	0.19	22,002,748.8
20-29	2,122	10,682,982	1.99	14,388,391.0
30-39	8,540	10,334,405	8.26	15,879,402.0
40-49	21,977	10,054,222	21.86	16,952,207.7
50-59	55,219	11,049,300	49.98	19,738,869.8
60-69	146,914	15,678,516	93.70	28,179,573.2
70+	306,551	18,139,646	169.00	47,841,688.0

Table 6. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex and Age Group; Cohort Re-Entry Allowed

Age Group (Years)	Patients with Evidence of Disease	Eligible Members¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years¹
<i>Male</i>				
0-19	212	13,015,365	0.16	23,011,740.9
20-29	1,603	10,734,437	1.49	14,641,647.3
30-39	9,471	10,196,039	9.29	15,559,577.1
40-49	30,766	9,837,538	31.27	16,499,254.8
50-59	78,452	10,658,759	73.60	18,985,016.4
60-69	181,178	14,356,682	126.20	25,589,833.5
70+	337,125	14,070,042	239.60	36,048,719.3
Nephrotic Syndrome - Definition A				
<i>Female</i>				
0-19	1,544	12,457,773	1.24	22,002,748.8
20-29	1,919	10,682,982	1.80	14,388,391.0
30-39	2,997	10,334,405	2.90	15,879,402.0
40-49	3,812	10,054,222	3.79	16,952,207.7
50-59	5,529	11,049,300	5.00	19,738,869.8
60-69	9,988	15,678,516	6.37	28,179,573.2
70+	16,276	18,139,646	8.97	47,841,688.0
<i>Male</i>				
0-19	2,025	13,015,365	1.56	23,011,740.9
20-29	1,561	10,734,437	1.45	14,641,647.3
30-39	2,638	10,196,039	2.59	15,559,577.1
40-49	4,318	9,837,538	4.39	16,499,254.8
50-59	7,643	10,658,759	7.17	18,985,016.4
60-69	13,229	14,356,682	9.21	25,589,833.5
70+	19,446	14,070,042	13.82	36,048,719.3

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
<i>0-19 Years</i>				
2016	148	15,073,026	0.10	9,431,399.6
2017	196	15,937,476	0.12	12,578,732.6
2018	191	14,783,192	0.13	11,670,391.4
2019	199	14,866,742	0.13	11,333,966.2
<i>20-29 Years</i>				
2016	226	10,435,716	0.22	5,856,398.0
2017	365	11,381,671	0.32	7,895,010.4
2018	361	11,086,615	0.33	7,708,295.9
2019	378	11,152,940	0.34	7,570,333.9
<i>30-39 Years</i>				
2016	342	10,715,892	0.32	6,294,012.2
2017	510	11,664,723	0.44	8,538,888.5
2018	603	11,421,149	0.53	8,378,390.8
2019	668	11,546,327	0.58	8,227,687.6
<i>40-49 Years</i>				
2016	434	11,223,355	0.39	6,839,623.3
2017	615	11,946,328	0.51	9,131,397.0
2018	743	11,562,176	0.64	8,874,077.8
2019	857	11,547,072	0.74	8,606,364.4
<i>50-59 Years</i>				
2016	505	12,887,422	0.39	8,047,140.3
2017	808	13,556,363	0.60	10,639,759.2
2018	874	12,971,854	0.67	10,221,708.2
2019	1,088	12,821,455	0.85	9,815,278.5
<i>60-69 Years</i>				
2016	819	17,429,467	0.47	10,923,025.7
2017	1,118	18,444,630	0.61	14,389,814.6
2018	1,355	18,186,101	0.75	14,265,156.2
2019	1,511	18,358,441	0.82	14,191,410.2
<i>70+ Years</i>				
2016	958	23,789,109	0.40	16,637,372.7
2017	1,404	24,543,744	0.57	22,257,982.5
2018	1,706	24,741,490	0.69	22,383,436.6
2019	1,928	25,137,442	0.77	22,611,615.5
IgA Nephropathy - Definition B				
<i>0-19 Years</i>				
2016	85	15,073,026	0.06	9,431,399.6
2017	74	15,937,476	0.05	12,578,732.6
2018	78	14,783,192	0.05	11,670,391.4
2019	72	14,866,742	0.05	11,333,966.2

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>20-29 Years</i>				
2016	167	10,435,716	0.16	5,856,398.0
2017	199	11,381,671	0.17	7,895,010.4
2018	163	11,086,615	0.15	7,708,295.9
2019	152	11,152,940	0.14	7,570,333.9
<i>30-39 Years</i>				
2016	293	10,715,892	0.27	6,294,012.2
2017	325	11,664,723	0.28	8,538,888.5
2018	302	11,421,149	0.26	8,378,390.8
2019	286	11,546,327	0.25	8,227,687.6
<i>40-49 Years</i>				
2016	458	11,223,355	0.41	6,839,623.3
2017	516	11,946,328	0.43	9,131,397.0
2018	471	11,562,176	0.41	8,874,077.8
2019	394	11,547,072	0.34	8,606,364.4
<i>50-59 Years</i>				
2016	543	12,887,422	0.42	8,047,140.3
2017	653	13,556,363	0.48	10,639,759.2
2018	592	12,971,854	0.46	10,221,708.2
2019	492	12,821,455	0.38	9,815,278.5
<i>60-69 Years</i>				
2016	829	17,429,467	0.48	10,923,025.7
2017	898	18,444,630	0.49	14,389,814.6
2018	856	18,186,101	0.47	14,265,156.2
2019	703	18,358,441	0.38	14,191,410.2
<i>70+ Years</i>				
2016	970	23,789,109	0.41	16,637,372.7
2017	1,098	24,543,744	0.45	22,257,982.5
2018	1,052	24,741,490	0.43	22,383,436.6
2019	942	25,137,442	0.37	22,611,615.5
Membranous Nephropathy - Definition B				
<i>0-19 Years</i>				
2016	38	15,073,026	0.03	9,431,399.6
2017	42	15,937,476	0.03	12,578,732.6
2018	32	14,783,192	0.02	11,670,391.4
2019	26	14,866,742	0.02	11,333,966.2
<i>20-29 Years</i>				
2016	89	10,435,716	0.09	5,856,398.0
2017	111	11,381,671	0.10	7,895,010.4
2018	87	11,086,615	0.08	7,708,295.9
2019	70	11,152,940	0.06	7,570,333.9
<i>30-39 Years</i>				
2016	145	10,715,892	0.14	6,294,012.2
2017	191	11,664,723	0.16	8,538,888.5
2018	182	11,421,149	0.16	8,378,390.8
2019	156	11,546,327	0.14	8,227,687.6

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>40-49 Years</i>				
2016	220	11,223,355	0.20	6,839,623.3
2017	290	11,946,328	0.24	9,131,397.0
2018	270	11,562,176	0.23	8,874,077.8
2019	297	11,547,072	0.26	8,606,364.4
<i>50-59 Years</i>				
2016	384	12,887,422	0.30	8,047,140.3
2017	477	13,556,363	0.35	10,639,759.2
2018	486	12,971,854	0.37	10,221,708.2
2019	445	12,821,455	0.35	9,815,278.5
<i>60-69 Years</i>				
2016	672	17,429,467	0.39	10,923,025.7
2017	844	18,444,630	0.46	14,389,814.6
2018	842	18,186,101	0.46	14,265,156.2
2019	903	18,358,441	0.49	14,191,410.2
<i>70+ Years</i>				
2016	939	23,789,109	0.39	16,637,372.7
2017	1,131	24,543,744	0.46	22,257,982.5
2018	1,237	24,741,490	0.50	22,383,436.6
2019	1,208	25,137,442	0.48	22,611,615.5
Minimal Change Disease - Definition B				
<i>0-19 Years</i>				
2016	280	15,073,026	0.19	9,431,399.6
2017	350	15,937,476	0.22	12,578,732.6
2018	331	14,783,192	0.22	11,670,391.4
2019	317	14,866,742	0.21	11,333,966.2
<i>20-29 Years</i>				
2016	180	10,435,716	0.17	5,856,398.0
2017	231	11,381,671	0.20	7,895,010.4
2018	252	11,086,615	0.23	7,708,295.9
2019	224	11,152,940	0.20	7,570,333.9
<i>30-39 Years</i>				
2016	211	10,715,892	0.20	6,294,012.2
2017	302	11,664,723	0.26	8,538,888.5
2018	344	11,421,149	0.30	8,378,390.8
2019	308	11,546,327	0.27	8,227,687.6
<i>40-49 Years</i>				
2016	281	11,223,355	0.25	6,839,623.3
2017	363	11,946,328	0.30	9,131,397.0
2018	455	11,562,176	0.39	8,874,077.8
2019	383	11,547,072	0.33	8,606,364.4
<i>50-59 Years</i>				
2016	372	12,887,422	0.29	8,047,140.3
2017	544	13,556,363	0.40	10,639,759.2
2018	632	12,971,854	0.49	10,221,708.2
2019	616	12,821,455	0.48	9,815,278.5

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>60-69 Years</i>				
2016	662	17,429,467	0.38	10,923,025.7
2017	1,002	18,444,630	0.54	14,389,814.6
2018	1,270	18,186,101	0.70	14,265,156.2
2019	1,269	18,358,441	0.69	14,191,410.2
<i>70+ Years</i>				
2016	1,150	23,789,109	0.48	16,637,372.7
2017	1,922	24,543,744	0.78	22,257,982.5
2018	2,583	24,741,490	1.04	22,383,436.6
2019	2,714	25,137,442	1.08	22,611,615.5
Membranoproliferative Glomerulonephritis - Definition B				
<i>0-19 Years</i>				
2016	120	15,073,026	0.08	9,431,399.6
2017	134	15,937,476	0.08	12,578,732.6
2018	148	14,783,192	0.10	11,670,391.4
2019	113	14,866,742	0.08	11,333,966.2
<i>20-29 Years</i>				
2016	169	10,435,716	0.16	5,856,398.0
2017	181	11,381,671	0.16	7,895,010.4
2018	155	11,086,615	0.14	7,708,295.9
2019	158	11,152,940	0.14	7,570,333.9
<i>30-39 Years</i>				
2016	164	10,715,892	0.15	6,294,012.2
2017	201	11,664,723	0.17	8,538,888.5
2018	182	11,421,149	0.16	8,378,390.8
2019	181	11,546,327	0.16	8,227,687.6
<i>40-49 Years</i>				
2016	214	11,223,355	0.19	6,839,623.3
2017	240	11,946,328	0.20	9,131,397.0
2018	230	11,562,176	0.20	8,874,077.8
2019	220	11,547,072	0.19	8,606,364.4
<i>50-59 Years</i>				
2016	308	12,887,422	0.24	8,047,140.3
2017	355	13,556,363	0.26	10,639,759.2
2018	338	12,971,854	0.26	10,221,708.2
2019	305	12,821,455	0.24	9,815,278.5
<i>60-69 Years</i>				
2016	572	17,429,467	0.33	10,923,025.7
2017	645	18,444,630	0.35	14,389,814.6
2018	630	18,186,101	0.35	14,265,156.2
2019	570	18,358,441	0.31	14,191,410.2
<i>70+ Years</i>				
2016	592	23,789,109	0.25	16,637,372.7
2017	783	24,543,744	0.32	22,257,982.5
2018	814	24,741,490	0.33	22,383,436.6
2019	824	25,137,442	0.33	22,611,615.5

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Crescentic/Necrotizing Glomerulonephritis - Definition B				
<i>0-19 Years</i>				
2016	32	15,073,026	0.02	9,431,399.6
2017	36	15,937,476	0.02	12,578,732.6
2018	55	14,783,192	0.04	11,670,391.4
2019	55	14,866,742	0.04	11,333,966.2
<i>20-29 Years</i>				
2016	31	10,435,716	0.03	5,856,398.0
2017	46	11,381,671	0.04	7,895,010.4
2018	47	11,086,615	0.04	7,708,295.9
2019	75	11,152,940	0.07	7,570,333.9
<i>30-39 Years</i>				
2016	58	10,715,892	0.05	6,294,012.2
2017	85	11,664,723	0.07	8,538,888.5
2018	88	11,421,149	0.08	8,378,390.8
2019	91	11,546,327	0.08	8,227,687.6
<i>40-49 Years</i>				
2016	86	11,223,355	0.08	6,839,623.3
2017	121	11,946,328	0.10	9,131,397.0
2018	129	11,562,176	0.11	8,874,077.8
2019	143	11,547,072	0.12	8,606,364.4
<i>50-59 Years</i>				
2016	152	12,887,422	0.12	8,047,140.3
2017	207	13,556,363	0.15	10,639,759.2
2018	246	12,971,854	0.19	10,221,708.2
2019	231	12,821,455	0.18	9,815,278.5
<i>60-69 Years</i>				
2016	374	17,429,467	0.21	10,923,025.7
2017	541	18,444,630	0.29	14,389,814.6
2018	649	18,186,101	0.36	14,265,156.2
2019	646	18,358,441	0.35	14,191,410.2
<i>70+ Years</i>				
2016	745	23,789,109	0.31	16,637,372.7
2017	1,057	24,543,744	0.43	22,257,982.5
2018	1,225	24,741,490	0.50	22,383,436.6
2019	1,314	25,137,442	0.52	22,611,615.5
Lupus Nephritis - Definition B				
<i>0-19 Years</i>				
2016	416	15,073,026	0.28	9,431,399.6
2017	488	15,937,476	0.31	12,578,732.6
2018	477	14,783,192	0.32	11,670,391.4
2019	454	14,866,742	0.31	11,333,966.2

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>20-29 Years</i>				
2016	1,836	10,435,716	1.76	5,856,398.0
2017	2,247	11,381,671	1.97	7,895,010.4
2018	2,241	11,086,615	2.02	7,708,295.9
2019	2,200	11,152,940	1.97	7,570,333.9
<i>30-39 Years</i>				
2016	2,882	10,715,892	2.69	6,294,012.2
2017	3,620	11,664,723	3.10	8,538,888.5
2018	3,772	11,421,149	3.30	8,378,390.8
2019	3,821	11,546,327	3.31	8,227,687.6
<i>40-49 Years</i>				
2016	2,692	11,223,355	2.40	6,839,623.3
2017	3,485	11,946,328	2.92	9,131,397.0
2018	3,716	11,562,176	3.21	8,874,077.8
2019	3,766	11,547,072	3.26	8,606,364.4
<i>50-59 Years</i>				
2016	2,409	12,887,422	1.87	8,047,140.3
2017	3,043	13,556,363	2.24	10,639,759.2
2018	3,261	12,971,854	2.51	10,221,708.2
2019	3,316	12,821,455	2.59	9,815,278.5
<i>60-69 Years</i>				
2016	1,899	17,429,467	1.09	10,923,025.7
2017	2,497	18,444,630	1.35	14,389,814.6
2018	2,739	18,186,101	1.51	14,265,156.2
2019	2,871	18,358,441	1.56	14,191,410.2
<i>70+ Years</i>				
2016	1,110	23,789,109	0.47	16,637,372.7
2017	1,593	24,543,744	0.65	22,257,982.5
2018	1,895	24,741,490	0.77	22,383,436.6
2019	2,001	25,137,442	0.80	22,611,615.5
Diabetic Nephropathy - Definition B				
<i>0-19 Years</i>				
2016	158	15,073,026	0.10	9,431,399.6
2017	233	15,937,476	0.15	12,578,732.6
2018	173	14,783,192	0.12	11,670,391.4
2019	142	14,866,742	0.10	11,333,966.2
<i>20-29 Years</i>				
2016	1,266	10,435,716	1.21	5,856,398.0
2017	1,507	11,381,671	1.32	7,895,010.4
2018	1,309	11,086,615	1.18	7,708,295.9
2019	1,276	11,152,940	1.14	7,570,333.9
<i>30-39 Years</i>				
2016	6,323	10,715,892	5.90	6,294,012.2
2017	7,647	11,664,723	6.56	8,538,888.5
2018	7,200	11,421,149	6.30	8,378,390.8
2019	6,731	11,546,327	5.83	8,227,687.6

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>40-49 Years</i>				
2016	18,317	11,223,355	16.32	6,839,623.3
2017	22,197	11,946,328	18.58	9,131,397.0
2018	21,267	11,562,176	18.39	8,874,077.8
2019	19,967	11,547,072	17.29	8,606,364.4
<i>50-59 Years</i>				
2016	47,239	12,887,422	36.66	8,047,140.3
2017	56,966	13,556,363	42.02	10,639,759.2
2018	54,536	12,971,854	42.04	10,221,708.2
2019	51,338	12,821,455	40.04	9,815,278.5
<i>60-69 Years</i>				
2016	114,304	17,429,467	65.58	10,923,025.7
2017	139,143	18,444,630	75.44	14,389,814.6
2018	136,243	18,186,101	74.92	14,265,156.2
2019	132,922	18,358,441	72.40	14,191,410.2
<i>70+ Years</i>				
2016	231,808	23,789,109	97.44	16,637,372.7
2017	288,705	24,543,744	117.63	22,257,982.5
2018	298,629	24,741,490	120.70	22,383,436.6
2019	305,475	25,137,442	121.52	22,611,615.5
Nephrotic Syndrome - Definition A				
<i>0-19 Years</i>				
2016	1,469	15,073,026	0.97	9,431,399.6
2017	1,697	15,937,476	1.06	12,578,732.6
2018	1,620	14,783,192	1.10	11,670,391.4
2019	1,649	14,866,742	1.11	11,333,966.2
<i>20-29 Years</i>				
2016	1,005	10,435,716	0.96	5,856,398.0
2017	1,344	11,381,671	1.18	7,895,010.4
2018	1,334	11,086,615	1.20	7,708,295.9
2019	1,289	11,152,940	1.16	7,570,333.9
<i>30-39 Years</i>				
2016	1,670	10,715,892	1.56	6,294,012.2
2017	2,076	11,664,723	1.78	8,538,888.5
2018	2,163	11,421,149	1.89	8,378,390.8
2019	2,213	11,546,327	1.92	8,227,687.6
<i>40-49 Years</i>				
2016	2,346	11,223,355	2.09	6,839,623.3
2017	2,933	11,946,328	2.46	9,131,397.0
2018	3,153	11,562,176	2.73	8,874,077.8
2019	3,154	11,547,072	2.73	8,606,364.4
<i>50-59 Years</i>				
2016	3,836	12,887,422	2.98	8,047,140.3
2017	4,896	13,556,363	3.61	10,639,759.2
2018	4,975	12,971,854	3.84	10,221,708.2
2019	4,745	12,821,455	3.70	9,815,278.5

Table 7. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Age Group and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>60-69 Years</i>				
2016	6,727	17,429,467	3.86	10,923,025.7
2017	8,458	18,444,630	4.59	14,389,814.6
2018	8,623	18,186,101	4.74	14,265,156.2
2019	8,653	18,358,441	4.71	14,191,410.2
<i>70+ Years</i>				
2016	10,289	23,789,109	4.33	16,637,372.7
2017	13,050	24,543,744	5.32	22,257,982.5
2018	13,825	24,741,490	5.59	22,383,436.6
2019	13,864	25,137,442	5.52	22,611,615.5

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Focal Segmental Glomerulosclerosis - Definition B				
Female				
<i>0-19 Years</i>				
2016	64	7,368,006	0.09	4,609,693.2
2017	92	7,793,131	0.12	6,149,413.2
2018	89	7,226,948	0.12	5,704,083.1
2019	96	7,266,908	0.13	5,539,559.3
<i>20-29 Years</i>				
2016	97	5,206,435	0.19	2,920,720.8
2017	180	5,679,961	0.32	3,935,552.7
2018	152	5,476,888	0.28	3,803,181.5
2019	163	5,512,018	0.30	3,728,935.9
<i>30-39 Years</i>				
2016	167	5,432,441	0.31	3,203,316.4
2017	271	5,899,479	0.46	4,335,659.6
2018	287	5,714,578	0.50	4,208,053.0
2019	307	5,785,718	0.53	4,132,373.0
<i>40-49 Years</i>				
2016	215	5,693,101	0.38	3,477,008.0
2017	294	6,054,506	0.49	4,637,288.8
2018	343	5,828,717	0.59	4,485,060.4
2019	407	5,829,063	0.70	4,352,850.6
<i>50-59 Years</i>				
2016	217	6,579,208	0.33	4,113,052.9
2017	343	6,913,472	0.50	5,430,965.4
2018	371	6,591,164	0.56	5,201,835.0
2019	465	6,515,333	0.71	4,993,016.6
<i>60-69 Years</i>				
2016	324	9,140,056	0.35	5,741,435.6
2017	438	9,656,483	0.45	7,549,220.4
2018	545	9,496,874	0.57	7,466,533.3
2019	606	9,582,758	0.63	7,422,383.9
<i>70+ Years</i>				
2016	361	13,627,492	0.26	9,568,166.4
2017	539	13,974,879	0.39	12,732,823.5
2018	644	14,010,688	0.46	12,730,897.4
2019	763	14,188,680	0.54	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	84	7,705,020	0.11	4,821,706.4
2017	104	8,144,345	0.13	6,429,319.4
2018	102	7,556,244	0.13	5,966,308.3
2019	103	7,599,834	0.14	5,794,406.8

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>20-29 Years</i>				
2016	129	5,229,281	0.25	2,935,677.2
2017	185	5,701,710	0.32	3,959,457.6
2018	209	5,609,727	0.37	3,905,114.5
2019	215	5,640,922	0.38	3,841,398.0
<i>30-39 Years</i>				
2016	175	5,283,451	0.33	3,090,695.8
2017	239	5,765,244	0.41	4,203,229.0
2018	316	5,706,571	0.55	4,170,337.8
2019	361	5,760,609	0.63	4,095,314.6
<i>40-49 Years</i>				
2016	219	5,530,254	0.40	3,362,615.3
2017	321	5,891,822	0.54	4,494,108.2
2018	400	5,733,459	0.70	4,389,017.4
2019	450	5,718,009	0.79	4,253,513.9
<i>50-59 Years</i>				
2016	288	6,308,214	0.46	3,934,087.4
2017	465	6,642,891	0.70	5,208,793.8
2018	503	6,380,690	0.79	5,019,873.2
2019	623	6,306,122	0.99	4,822,261.9
<i>60-69 Years</i>				
2016	495	8,289,411	0.60	5,181,590.1
2017	680	8,788,147	0.77	6,840,594.2
2018	810	8,689,227	0.93	6,798,622.9
2019	905	8,775,683	1.03	6,769,026.3
<i>70+ Years</i>				
2016	597	10,161,617	0.59	7,069,206.3
2017	865	10,568,865	0.82	9,525,159.0
2018	1,062	10,730,802	0.99	9,652,539.3
2019	1,165	10,948,762	1.06	9,801,814.7
IgA Nephropathy - Definition B				
Female				
<i>0-19 Years</i>				
2016	45	7,368,006	0.06	4,609,693.2
2017	37	7,793,131	0.05	6,149,413.2
2018	31	7,226,948	0.04	5,704,083.1
2019	35	7,266,908	0.05	5,539,559.3
<i>20-29 Years</i>				
2016	80	5,206,435	0.15	2,920,720.8
2017	100	5,679,961	0.18	3,935,552.7
2018	84	5,476,888	0.15	3,803,181.5
2019	84	5,512,018	0.15	3,728,935.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>30-39 Years</i>				
2016	145	5,432,441	0.27	3,203,316.4
2017	167	5,899,479	0.28	4,335,659.6
2018	145	5,714,578	0.25	4,208,053.0
2019	132	5,785,718	0.23	4,132,373.0
<i>40-49 Years</i>				
2016	207	5,693,101	0.36	3,477,008.0
2017	249	6,054,506	0.41	4,637,288.8
2018	219	5,828,717	0.38	4,485,060.4
2019	192	5,829,063	0.33	4,352,850.6
<i>50-59 Years</i>				
2016	221	6,579,208	0.34	4,113,052.9
2017	275	6,913,472	0.40	5,430,965.4
2018	241	6,591,164	0.37	5,201,835.0
2019	200	6,515,333	0.31	4,993,016.6
<i>60-69 Years</i>				
2016	344	9,140,056	0.38	5,741,435.6
2017	364	9,656,483	0.38	7,549,220.4
2018	333	9,496,874	0.35	7,466,533.3
2019	294	9,582,758	0.31	7,422,383.9
<i>70+ Years</i>				
2016	418	13,627,492	0.31	9,568,166.4
2017	508	13,974,879	0.36	12,732,823.5
2018	483	14,010,688	0.34	12,730,897.4
2019	421	14,188,680	0.30	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	40	7,705,020	0.05	4,821,706.4
2017	37	8,144,345	0.05	6,429,319.4
2018	47	7,556,244	0.06	5,966,308.3
2019	37	7,599,834	0.05	5,794,406.8
<i>20-29 Years</i>				
2016	87	5,229,281	0.17	2,935,677.2
2017	99	5,701,710	0.17	3,959,457.6
2018	79	5,609,727	0.14	3,905,114.5
2019	68	5,640,922	0.12	3,841,398.0
<i>30-39 Years</i>				
2016	148	5,283,451	0.28	3,090,695.8
2017	158	5,765,244	0.27	4,203,229.0
2018	157	5,706,571	0.28	4,170,337.8
2019	154	5,760,609	0.27	4,095,314.6
<i>40-49 Years</i>				
2016	251	5,530,254	0.45	3,362,615.3
2017	267	5,891,822	0.45	4,494,108.2
2018	252	5,733,459	0.44	4,389,017.4
2019	202	5,718,009	0.35	4,253,513.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>50-59 Years</i>				
2016	322	6,308,214	0.51	3,934,087.4
2017	378	6,642,891	0.57	5,208,793.8
2018	351	6,380,690	0.55	5,019,873.2
2019	292	6,306,122	0.46	4,822,261.9
<i>60-69 Years</i>				
2016	485	8,289,411	0.59	5,181,590.1
2017	534	8,788,147	0.61	6,840,594.2
2018	523	8,689,227	0.60	6,798,622.9
2019	409	8,775,683	0.47	6,769,026.3
<i>70+ Years</i>				
2016	552	10,161,617	0.54	7,069,206.3
2017	590	10,568,865	0.56	9,525,159.0
2018	569	10,730,802	0.53	9,652,539.3
2019	521	10,948,762	0.48	9,801,814.7
Membranous Nephropathy - Definition B				
Female				
<i>0-19 Years</i>				
2016	24	7,368,006	0.03	4,609,693.2
2017	16	7,793,131	0.02	6,149,413.2
2018	13	7,226,948	0.02	5,704,083.1
2019	13	7,266,908	0.02	5,539,559.3
<i>20-29 Years</i>				
2016	49	5,206,435	0.09	2,920,720.8
2017	68	5,679,961	0.12	3,935,552.7
2018	50	5,476,888	0.09	3,803,181.5
2019	45	5,512,018	0.08	3,728,935.9
<i>30-39 Years</i>				
2016	64	5,432,441	0.12	3,203,316.4
2017	107	5,899,479	0.18	4,335,659.6
2018	101	5,714,578	0.18	4,208,053.0
2019	83	5,785,718	0.14	4,132,373.0
<i>40-49 Years</i>				
2016	103	5,693,101	0.18	3,477,008.0
2017	132	6,054,506	0.22	4,637,288.8
2018	121	5,828,717	0.21	4,485,060.4
2019	140	5,829,063	0.24	4,352,850.6
<i>50-59 Years</i>				
2016	149	6,579,208	0.23	4,113,052.9
2017	170	6,913,472	0.25	5,430,965.4
2018	181	6,591,164	0.27	5,201,835.0
2019	161	6,515,333	0.25	4,993,016.6

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>60-69 Years</i>				
2016	249	9,140,056	0.27	5,741,435.6
2017	312	9,656,483	0.32	7,549,220.4
2018	315	9,496,874	0.33	7,466,533.3
2019	335	9,582,758	0.35	7,422,383.9
<i>70+ Years</i>				
2016	369	13,627,492	0.27	9,568,166.4
2017	438	13,974,879	0.31	12,732,823.5
2018	493	14,010,688	0.35	12,730,897.4
2019	447	14,188,680	0.32	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	14	7,705,020	0.02	4,821,706.4
2017	26	8,144,345	0.03	6,429,319.4
2018	19	7,556,244	0.03	5,966,308.3
2019	13	7,599,834	0.02	5,794,406.8
<i>20-29 Years</i>				
2016	40	5,229,281	0.08	2,935,677.2
2017	43	5,701,710	0.08	3,959,457.6
2018	37	5,609,727	0.07	3,905,114.5
2019	25	5,640,922	0.04	3,841,398.0
<i>30-39 Years</i>				
2016	81	5,283,451	0.15	3,090,695.8
2017	84	5,765,244	0.15	4,203,229.0
2018	81	5,706,571	0.14	4,170,337.8
2019	73	5,760,609	0.13	4,095,314.6
<i>40-49 Years</i>				
2016	117	5,530,254	0.21	3,362,615.3
2017	158	5,891,822	0.27	4,494,108.2
2018	149	5,733,459	0.26	4,389,017.4
2019	157	5,718,009	0.27	4,253,513.9
<i>50-59 Years</i>				
2016	235	6,308,214	0.37	3,934,087.4
2017	307	6,642,891	0.46	5,208,793.8
2018	305	6,380,690	0.48	5,019,873.2
2019	284	6,306,122	0.45	4,822,261.9
<i>60-69 Years</i>				
2016	423	8,289,411	0.51	5,181,590.1
2017	532	8,788,147	0.61	6,840,594.2
2018	527	8,689,227	0.61	6,798,622.9
2019	568	8,775,683	0.65	6,769,026.3
<i>70+ Years</i>				
2016	570	10,161,617	0.56	7,069,206.3
2017	693	10,568,865	0.66	9,525,159.0
2018	744	10,730,802	0.69	9,652,539.3
2019	761	10,948,762	0.70	9,801,814.7

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Minimal Change Disease - Definition B				
Female				
<i>0-19 Years</i>				
2016	94	7,368,006	0.13	4,609,693.2
2017	140	7,793,131	0.18	6,149,413.2
2018	128	7,226,948	0.18	5,704,083.1
2019	115	7,266,908	0.16	5,539,559.3
<i>20-29 Years</i>				
2016	74	5,206,435	0.14	2,920,720.8
2017	109	5,679,961	0.19	3,935,552.7
2018	118	5,476,888	0.22	3,803,181.5
2019	113	5,512,018	0.21	3,728,935.9
<i>30-39 Years</i>				
2016	105	5,432,441	0.19	3,203,316.4
2017	161	5,899,479	0.27	4,335,659.6
2018	175	5,714,578	0.31	4,208,053.0
2019	157	5,785,718	0.27	4,132,373.0
<i>40-49 Years</i>				
2016	133	5,693,101	0.23	3,477,008.0
2017	191	6,054,506	0.32	4,637,288.8
2018	229	5,828,717	0.39	4,485,060.4
2019	197	5,829,063	0.34	4,352,850.6
<i>50-59 Years</i>				
2016	185	6,579,208	0.28	4,113,052.9
2017	260	6,913,472	0.38	5,430,965.4
2018	298	6,591,164	0.45	5,201,835.0
2019	289	6,515,333	0.44	4,993,016.6
<i>60-69 Years</i>				
2016	310	9,140,056	0.34	5,741,435.6
2017	462	9,656,483	0.48	7,549,220.4
2018	575	9,496,874	0.61	7,466,533.3
2019	572	9,582,758	0.60	7,422,383.9
<i>70+ Years</i>				
2016	508	13,627,492	0.37	9,568,166.4
2017	884	13,974,879	0.63	12,732,823.5
2018	1,158	14,010,688	0.83	12,730,897.4
2019	1,203	14,188,680	0.85	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	186	7,705,020	0.24	4,821,706.4
2017	210	8,144,345	0.26	6,429,319.4
2018	203	7,556,244	0.27	5,966,308.3
2019	202	7,599,834	0.27	5,794,406.8

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>20-29 Years</i>				
2016	106	5,229,281	0.20	2,935,677.2
2017	122	5,701,710	0.21	3,959,457.6
2018	134	5,609,727	0.24	3,905,114.5
2019	111	5,640,922	0.20	3,841,398.0
<i>30-39 Years</i>				
2016	106	5,283,451	0.20	3,090,695.8
2017	141	5,765,244	0.24	4,203,229.0
2018	169	5,706,571	0.30	4,170,337.8
2019	151	5,760,609	0.26	4,095,314.6
<i>40-49 Years</i>				
2016	148	5,530,254	0.27	3,362,615.3
2017	172	5,891,822	0.29	4,494,108.2
2018	226	5,733,459	0.39	4,389,017.4
2019	186	5,718,009	0.33	4,253,513.9
<i>50-59 Years</i>				
2016	187	6,308,214	0.30	3,934,087.4
2017	284	6,642,891	0.43	5,208,793.8
2018	334	6,380,690	0.52	5,019,873.2
2019	327	6,306,122	0.52	4,822,261.9
<i>60-69 Years</i>				
2016	352	8,289,411	0.42	5,181,590.1
2017	540	8,788,147	0.61	6,840,594.2
2018	695	8,689,227	0.80	6,798,622.9
2019	697	8,775,683	0.79	6,769,026.3
<i>70+ Years</i>				
2016	642	10,161,617	0.63	7,069,206.3
2017	1,038	10,568,865	0.98	9,525,159.0
2018	1,425	10,730,802	1.33	9,652,539.3
2019	1,511	10,948,762	1.38	9,801,814.7
Membranoproliferative Glomerulonephritis - Definition B				
Female				
<i>0-19 Years</i>				
2016	71	7,368,006	0.10	4,609,693.2
2017	69	7,793,131	0.09	6,149,413.2
2018	79	7,226,948	0.11	5,704,083.1
2019	62	7,266,908	0.09	5,539,559.3
<i>20-29 Years</i>				
2016	79	5,206,435	0.15	2,920,720.8
2017	94	5,679,961	0.17	3,935,552.7
2018	78	5,476,888	0.14	3,803,181.5
2019	95	5,512,018	0.17	3,728,935.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>30-39 Years</i>				
2016	90	5,432,441	0.17	3,203,316.4
2017	117	5,899,479	0.20	4,335,659.6
2018	103	5,714,578	0.18	4,208,053.0
2019	102	5,785,718	0.18	4,132,373.0
<i>40-49 Years</i>				
2016	102	5,693,101	0.18	3,477,008.0
2017	122	6,054,506	0.20	4,637,288.8
2018	118	5,828,717	0.20	4,485,060.4
2019	107	5,829,063	0.18	4,352,850.6
<i>50-59 Years</i>				
2016	136	6,579,208	0.21	4,113,052.9
2017	169	6,913,472	0.24	5,430,965.4
2018	153	6,591,164	0.23	5,201,835.0
2019	133	6,515,333	0.20	4,993,016.6
<i>60-69 Years</i>				
2016	275	9,140,056	0.30	5,741,435.6
2017	289	9,656,483	0.30	7,549,220.4
2018	270	9,496,874	0.28	7,466,533.3
2019	249	9,582,758	0.26	7,422,383.9
<i>70+ Years</i>				
2016	285	13,627,492	0.21	9,568,166.4
2017	382	13,974,879	0.27	12,732,823.5
2018	385	14,010,688	0.27	12,730,897.4
2019	384	14,188,680	0.27	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	49	7,705,020	0.06	4,821,706.4
2017	65	8,144,345	0.08	6,429,319.4
2018	69	7,556,244	0.09	5,966,308.3
2019	51	7,599,834	0.07	5,794,406.8
<i>20-29 Years</i>				
2016	90	5,229,281	0.17	2,935,677.2
2017	87	5,701,710	0.15	3,959,457.6
2018	77	5,609,727	0.14	3,905,114.5
2019	63	5,640,922	0.11	3,841,398.0
<i>30-39 Years</i>				
2016	74	5,283,451	0.14	3,090,695.8
2017	84	5,765,244	0.15	4,203,229.0
2018	79	5,706,571	0.14	4,170,337.8
2019	79	5,760,609	0.14	4,095,314.6
<i>40-49 Years</i>				
2016	112	5,530,254	0.20	3,362,615.3
2017	118	5,891,822	0.20	4,494,108.2
2018	112	5,733,459	0.20	4,389,017.4
2019	113	5,718,009	0.20	4,253,513.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>50-59 Years</i>				
2016	172	6,308,214	0.27	3,934,087.4
2017	186	6,642,891	0.28	5,208,793.8
2018	185	6,380,690	0.29	5,019,873.2
2019	172	6,306,122	0.27	4,822,261.9
<i>60-69 Years</i>				
2016	297	8,289,411	0.36	5,181,590.1
2017	356	8,788,147	0.41	6,840,594.2
2018	360	8,689,227	0.41	6,798,622.9
2019	321	8,775,683	0.37	6,769,026.3
<i>70+ Years</i>				
2016	307	10,161,617	0.30	7,069,206.3
2017	401	10,568,865	0.38	9,525,159.0
2018	429	10,730,802	0.40	9,652,539.3
2019	440	10,948,762	0.40	9,801,814.7
Crescentic/Necrotizing Glomerulonephritis - Definition B				
Female				
<i>0-19 Years</i>				
2016	17	7,368,006	0.02	4,609,693.2
2017	22	7,793,131	0.03	6,149,413.2
2018	33	7,226,948	0.05	5,704,083.1
2019	29	7,266,908	0.04	5,539,559.3
<i>20-29 Years</i>				
2016	16	5,206,435	0.03	2,920,720.8
2017	23	5,679,961	0.04	3,935,552.7
2018	25	5,476,888	0.05	3,803,181.5
2019	47	5,512,018	0.09	3,728,935.9
<i>30-39 Years</i>				
2016	31	5,432,441	0.06	3,203,316.4
2017	46	5,899,479	0.08	4,335,659.6
2018	45	5,714,578	0.08	4,208,053.0
2019	45	5,785,718	0.08	4,132,373.0
<i>40-49 Years</i>				
2016	46	5,693,101	0.08	3,477,008.0
2017	63	6,054,506	0.10	4,637,288.8
2018	67	5,828,717	0.11	4,485,060.4
2019	64	5,829,063	0.11	4,352,850.6
<i>50-59 Years</i>				
2016	67	6,579,208	0.10	4,113,052.9
2017	91	6,913,472	0.13	5,430,965.4
2018	122	6,591,164	0.19	5,201,835.0
2019	118	6,515,333	0.18	4,993,016.6

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years¹
<i>60-69 Years</i>				
2016	205	9,140,056	0.22	5,741,435.6
2017	266	9,656,483	0.28	7,549,220.4
2018	334	9,496,874	0.35	7,466,533.3
2019	340	9,582,758	0.35	7,422,383.9
<i>70+ Years</i>				
2016	423	13,627,492	0.31	9,568,166.4
2017	604	13,974,879	0.43	12,732,823.5
2018	714	14,010,688	0.51	12,730,897.4
2019	764	14,188,680	0.54	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	15	7,705,020	0.02	4,821,706.4
2017	14	8,144,345	0.02	6,429,319.4
2018	22	7,556,244	0.03	5,966,308.3
2019	26	7,599,834	0.03	5,794,406.8
<i>20-29 Years</i>				
2016	15	5,229,281	0.03	2,935,677.2
2017	23	5,701,710	0.04	3,959,457.6
2018	22	5,609,727	0.04	3,905,114.5
2019	28	5,640,922	0.05	3,841,398.0
<i>30-39 Years</i>				
2016	27	5,283,451	0.05	3,090,695.8
2017	39	5,765,244	0.07	4,203,229.0
2018	43	5,706,571	0.08	4,170,337.8
2019	46	5,760,609	0.08	4,095,314.6
<i>40-49 Years</i>				
2016	40	5,530,254	0.07	3,362,615.3
2017	58	5,891,822	0.10	4,494,108.2
2018	62	5,733,459	0.11	4,389,017.4
2019	79	5,718,009	0.14	4,253,513.9
<i>50-59 Years</i>				
2016	85	6,308,214	0.13	3,934,087.4
2017	116	6,642,891	0.17	5,208,793.8
2018	124	6,380,690	0.19	5,019,873.2
2019	113	6,306,122	0.18	4,822,261.9
<i>60-69 Years</i>				
2016	169	8,289,411	0.20	5,181,590.1
2017	275	8,788,147	0.31	6,840,594.2
2018	315	8,689,227	0.36	6,798,622.9
2019	306	8,775,683	0.35	6,769,026.3
<i>70+ Years</i>				
2016	322	10,161,617	0.32	7,069,206.3
2017	453	10,568,865	0.43	9,525,159.0
2018	511	10,730,802	0.48	9,652,539.3
2019	550	10,948,762	0.50	9,801,814.7

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
Lupus Nephritis - Definition B				
Female				
<i>0-19 Years</i>				
2016	328	7,368,006	0.45	4,609,693.2
2017	396	7,793,131	0.51	6,149,413.2
2018	388	7,226,948	0.54	5,704,083.1
2019	369	7,266,908	0.51	5,539,559.3
<i>20-29 Years</i>				
2016	1,561	5,206,435	3.00	2,920,720.8
2017	1,904	5,679,961	3.35	3,935,552.7
2018	1,897	5,476,888	3.46	3,803,181.5
2019	1,866	5,512,018	3.39	3,728,935.9
<i>30-39 Years</i>				
2016	2,505	5,432,441	4.61	3,203,316.4
2017	3,125	5,899,479	5.30	4,335,659.6
2018	3,251	5,714,578	5.69	4,208,053.0
2019	3,281	5,785,718	5.67	4,132,373.0
<i>40-49 Years</i>				
2016	2,297	5,693,101	4.03	3,477,008.0
2017	2,945	6,054,506	4.86	4,637,288.8
2018	3,149	5,828,717	5.40	4,485,060.4
2019	3,181	5,829,063	5.46	4,352,850.6
<i>50-59 Years</i>				
2016	2,022	6,579,208	3.07	4,113,052.9
2017	2,573	6,913,472	3.72	5,430,965.4
2018	2,768	6,591,164	4.20	5,201,835.0
2019	2,803	6,515,333	4.30	4,993,016.6
<i>60-69 Years</i>				
2016	1,547	9,140,056	1.69	5,741,435.6
2017	2,008	9,656,483	2.08	7,549,220.4
2018	2,216	9,496,874	2.33	7,466,533.3
2019	2,319	9,582,758	2.42	7,422,383.9
<i>70+ Years</i>				
2016	806	13,627,492	0.59	9,568,166.4
2017	1,203	13,974,879	0.86	12,732,823.5
2018	1,439	14,010,688	1.03	12,730,897.4
2019	1,520	14,188,680	1.07	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	88	7,705,020	0.11	4,821,706.4
2017	92	8,144,345	0.11	6,429,319.4
2018	89	7,556,244	0.12	5,966,308.3
2019	85	7,599,834	0.11	5,794,406.8

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>20-29 Years</i>				
2016	275	5,229,281	0.53	2,935,677.2
2017	343	5,701,710	0.60	3,959,457.6
2018	344	5,609,727	0.61	3,905,114.5
2019	334	5,640,922	0.59	3,841,398.0
<i>30-39 Years</i>				
2016	377	5,283,451	0.71	3,090,695.8
2017	495	5,765,244	0.86	4,203,229.0
2018	521	5,706,571	0.91	4,170,337.8
2019	540	5,760,609	0.94	4,095,314.6
<i>40-49 Years</i>				
2016	395	5,530,254	0.71	3,362,615.3
2017	540	5,891,822	0.92	4,494,108.2
2018	567	5,733,459	0.99	4,389,017.4
2019	585	5,718,009	1.02	4,253,513.9
<i>50-59 Years</i>				
2016	387	6,308,214	0.61	3,934,087.4
2017	470	6,642,891	0.71	5,208,793.8
2018	493	6,380,690	0.77	5,019,873.2
2019	513	6,306,122	0.81	4,822,261.9
<i>60-69 Years</i>				
2016	352	8,289,411	0.42	5,181,590.1
2017	489	8,788,147	0.56	6,840,594.2
2018	523	8,689,227	0.60	6,798,622.9
2019	552	8,775,683	0.63	6,769,026.3
<i>70+ Years</i>				
2016	304	10,161,617	0.30	7,069,206.3
2017	390	10,568,865	0.37	9,525,159.0
2018	456	10,730,802	0.42	9,652,539.3
2019	481	10,948,762	0.44	9,801,814.7
Diabetic Nephropathy - Definition B				
Female				
<i>0-19 Years</i>				
2016	84	7,368,006	0.11	4,609,693.2
2017	128	7,793,131	0.16	6,149,413.2
2018	89	7,226,948	0.12	5,704,083.1
2019	75	7,266,908	0.10	5,539,559.3
<i>20-29 Years</i>				
2016	743	5,206,435	1.43	2,920,720.8
2017	860	5,679,961	1.51	3,935,552.7
2018	741	5,476,888	1.35	3,803,181.5
2019	716	5,512,018	1.30	3,728,935.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>30-39 Years</i>				
2016	3,062	5,432,441	5.64	3,203,316.4
2017	3,717	5,899,479	6.30	4,335,659.6
2018	3,442	5,714,578	6.02	4,208,053.0
2019	3,183	5,785,718	5.50	4,132,373.0
<i>40-49 Years</i>				
2016	7,707	5,693,101	13.54	3,477,008.0
2017	9,280	6,054,506	15.33	4,637,288.8
2018	8,812	5,828,717	15.12	4,485,060.4
2019	8,245	5,829,063	14.14	4,352,850.6
<i>50-59 Years</i>				
2016	19,504	6,579,208	29.64	4,113,052.9
2017	23,462	6,913,472	33.94	5,430,965.4
2018	22,544	6,591,164	34.20	5,201,835.0
2019	20,973	6,515,333	32.19	4,993,016.6
<i>60-69 Years</i>				
2016	51,758	9,140,056	56.63	5,741,435.6
2017	62,924	9,656,483	65.16	7,549,220.4
2018	60,701	9,496,874	63.92	7,466,533.3
2019	58,437	9,582,758	60.98	7,422,383.9
<i>70+ Years</i>				
2016	110,054	13,627,492	80.76	9,568,166.4
2017	137,287	13,974,879	98.24	12,732,823.5
2018	141,212	14,010,688	100.79	12,730,897.4
2019	143,485	14,188,680	101.13	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	74	7,705,020	0.10	4,821,706.4
2017	105	8,144,345	0.13	6,429,319.4
2018	84	7,556,244	0.11	5,966,308.3
2019	67	7,599,834	0.09	5,794,406.8
<i>20-29 Years</i>				
2016	523	5,229,281	1.00	2,935,677.2
2017	647	5,701,710	1.13	3,959,457.6
2018	568	5,609,727	1.01	3,905,114.5
2019	560	5,640,922	0.99	3,841,398.0
<i>30-39 Years</i>				
2016	3,261	5,283,451	6.17	3,090,695.8
2017	3,930	5,765,244	6.82	4,203,229.0
2018	3,758	5,706,571	6.59	4,170,337.8
2019	3,548	5,760,609	6.16	4,095,314.6
<i>40-49 Years</i>				
2016	10,610	5,530,254	19.19	3,362,615.3
2017	12,917	5,891,822	21.92	4,494,108.2
2018	12,455	5,733,459	21.72	4,389,017.4
2019	11,722	5,718,009	20.50	4,253,513.9

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>50-59 Years</i>				
2016	27,735	6,308,214	43.97	3,934,087.4
2017	33,504	6,642,891	50.44	5,208,793.8
2018	31,992	6,380,690	50.14	5,019,873.2
2019	30,365	6,306,122	48.15	4,822,261.9
<i>60-69 Years</i>				
2016	62,546	8,289,411	75.45	5,181,590.1
2017	76,219	8,788,147	86.73	6,840,594.2
2018	75,542	8,689,227	86.94	6,798,622.9
2019	74,485	8,775,683	84.88	6,769,026.3
<i>70+ Years</i>				
2016	121,754	10,161,617	119.82	7,069,206.3
2017	151,418	10,568,865	143.27	9,525,159.0
2018	157,417	10,730,802	146.70	9,652,539.3
2019	161,990	10,948,762	147.95	9,801,814.7
Nephrotic Syndrome - Definition A				
Female				
<i>0-19 Years</i>				
2016	629	7,368,006	0.85	4,609,693.2
2017	729	7,793,131	0.94	6,149,413.2
2018	670	7,226,948	0.93	5,704,083.1
2019	690	7,266,908	0.95	5,539,559.3
<i>20-29 Years</i>				
2016	542	5,206,435	1.04	2,920,720.8
2017	757	5,679,961	1.33	3,935,552.7
2018	722	5,476,888	1.32	3,803,181.5
2019	685	5,512,018	1.24	3,728,935.9
<i>30-39 Years</i>				
2016	869	5,432,441	1.60	3,203,316.4
2017	1,133	5,899,479	1.92	4,335,659.6
2018	1,172	5,714,578	2.05	4,208,053.0
2019	1,186	5,785,718	2.05	4,132,373.0
<i>40-49 Years</i>				
2016	1,116	5,693,101	1.96	3,477,008.0
2017	1,388	6,054,506	2.29	4,637,288.8
2018	1,472	5,828,717	2.53	4,485,060.4
2019	1,469	5,829,063	2.52	4,352,850.6
<i>50-59 Years</i>				
2016	1,615	6,579,208	2.45	4,113,052.9
2017	2,100	6,913,472	3.04	5,430,965.4
2018	2,073	6,591,164	3.15	5,201,835.0
2019	1,956	6,515,333	3.00	4,993,016.6

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members ¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years ¹
<i>60-69 Years</i>				
2016	2,913	9,140,056	3.19	5,741,435.6
2017	3,634	9,656,483	3.76	7,549,220.4
2018	3,668	9,496,874	3.86	7,466,533.3
2019	3,657	9,582,758	3.82	7,422,383.9
<i>70+ Years</i>				
2016	4,629	13,627,492	3.40	9,568,166.4
2017	5,822	13,974,879	4.17	12,732,823.5
2018	6,100	14,010,688	4.35	12,730,897.4
2019	6,127	14,188,680	4.32	12,809,800.8
Male				
<i>0-19 Years</i>				
2016	840	7,705,020	1.09	4,821,706.4
2017	968	8,144,345	1.19	6,429,319.4
2018	950	7,556,244	1.26	5,966,308.3
2019	959	7,599,834	1.26	5,794,406.8
<i>20-29 Years</i>				
2016	463	5,229,281	0.89	2,935,677.2
2017	587	5,701,710	1.03	3,959,457.6
2018	612	5,609,727	1.09	3,905,114.5
2019	604	5,640,922	1.07	3,841,398.0
<i>30-39 Years</i>				
2016	801	5,283,451	1.52	3,090,695.8
2017	943	5,765,244	1.64	4,203,229.0
2018	991	5,706,571	1.74	4,170,337.8
2019	1,027	5,760,609	1.78	4,095,314.6
<i>40-49 Years</i>				
2016	1,230	5,530,254	2.22	3,362,615.3
2017	1,545	5,891,822	2.62	4,494,108.2
2018	1,681	5,733,459	2.93	4,389,017.4
2019	1,685	5,718,009	2.95	4,253,513.9
<i>50-59 Years</i>				
2016	2,221	6,308,214	3.52	3,934,087.4
2017	2,796	6,642,891	4.21	5,208,793.8
2018	2,902	6,380,690	4.55	5,019,873.2
2019	2,789	6,306,122	4.42	4,822,261.9
<i>60-69 Years</i>				
2016	3,814	8,289,411	4.60	5,181,590.1
2017	4,824	8,788,147	5.49	6,840,594.2
2018	4,955	8,689,227	5.70	6,798,622.9
2019	4,996	8,775,683	5.69	6,769,026.3

Table 8. Evidence of Glomerular Diseases in the Sentinel Distributed Database (SDD) between April 1, 2016 and December 31, 2019, by Sex, Age Group, and Year; Cohort Re-entry Allowed

Year	Patients with Evidence of Disease	Eligible Members¹	Patients with Evidence of Disease per 10,000 Eligible Members	Eligible Member Years¹
<i>70+ Years</i>				
2016	5,660	10,161,617	5.57	7,069,206.3
2017	7,228	10,568,865	6.84	9,525,159.0
2018	7,725	10,730,802	7.20	9,652,539.3
2019	7,737	10,948,762	7.07	9,801,814.7

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 4, 2021)

DP ID	Start Date¹	End Date¹
DP01	1/1/2008	2/29/2020
DP02	1/1/2006	1/31/2020
DP03	1/1/2000	12/31/2017
DP04	1/1/2000	7/31/2019
DP05	1/1/2008	3/31/2020
DP06	1/1/2010	12/31/2019

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

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Glomerular Disease In this Request

Code	Description	Code Category	Code Type
Focal Segmental Glomerulosclerosis			
N04.1	Nephrotic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N06.1	Isolated proteinuria with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N07.1	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
IgA Nephropathy			
N00.3	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N01.3	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N02.3	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N03.3	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N04.3	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N05.3	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N06.3	Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N07.3	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative	Diagnosis	ICD-10-CM
Minimal Change Disease			
N04.0	Nephrotic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N06.0	Isolated proteinuria with minor glomerular abnormality	Diagnosis	ICD-10-CM
Membranous Nephropathy			
N04.2	Nephrotic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N06.2	Isolated proteinuria with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N07.2	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
Membranoproliferative Glomerulonephritis			
N01.5	Rapidly progressive nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N02.5	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N03.5	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N04.5	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N05.5	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N06.5	Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
Crescentic/Necrotizing Glomerulonephritis			
N00.7	Acute nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N01.7	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N02.7	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N03.7	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N04.7	Nephrotic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N05.7	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N06.7	Isolated proteinuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N07.7	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
Lupus Nephritis			
M32.1	Glomerular disease in systemic lupus erythematosus	Diagnosis	ICD-10-CM
Diabetic Nephropathy			
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	Diagnosis	ICD-10-CM
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E13.21	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Glomerular Disease In this Request

Code	Description	Code	
		Category	Code Type
Nephrotic Syndrome			
N04	Nephrotic syndrome	Diagnosis	ICD-10-CM
N04.0	Nephrotic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N04.1	Nephrotic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N04.2	Nephrotic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N04.3	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N04.4	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N04.5	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N04.6	Nephrotic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N04.7	Nephrotic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N04.8	Nephrotic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N04.9	Nephrotic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
Biopsy			
50200	Renal biopsy; percutaneous, by trocar or needle	Procedure	CPT-4
50205	Renal biopsy; by surgical exposure of kidney	Procedure	CPT-4
50555	Renal endoscopy through established nephrostomy or pyelostomy, with or without irrigation, instillation, or ureteropyelography, exclusive of radiologic service; with biopsy	Procedure	CPT-4
50574	Renal endoscopy through nephrotomy or pyelotomy, with or without irrigation, instillation, or ureteropyelography, exclusive of radiologic service; with biopsy	Procedure	CPT-4

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
Diabetes			
E08.00	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E08.01	Diabetes mellitus due to underlying condition with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E08.10	Diabetes mellitus due to underlying condition with ketoacidosis without coma	Diagnosis	ICD-10-CM
E08.11	Diabetes mellitus due to underlying condition with ketoacidosis with coma	Diagnosis	ICD-10-CM
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	Diagnosis	ICD-10-CM
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	Diagnosis	ICD-10-CM
E08.311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08.319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E08.321	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08.3211	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E08.3212	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E08.3213	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3219	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.329	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E08.3291	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E08.3292	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E08.3293	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3299	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08.3311	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E08.3312	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E08.3313	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3319	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E08.339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E08.3391	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E08.3392	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E08.3393	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3399	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08.3411	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E08.3412	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E08.3413	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3419	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E08.3491	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E08.3492	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E08.3493	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3499	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E08.3511	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E08.3512	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E08.3513	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3519	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.3521	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E08.3522	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E08.3523	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E08.3529	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E08.3531	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E08.3532	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E08.3533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E08.3539	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E08.3541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E08.3542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E08.3543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E08.3549	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E08.3551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E08.3552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E08.3553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E08.3559	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E08.359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E08.3591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E08.3592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E08.3593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E08.3599	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E08.36	Diabetes mellitus due to underlying condition with diabetic cataract	Diagnosis	ICD-10-CM
E08.37X1	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E08.37X2	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E08.37X3	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E08.37X9	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E08.39	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E08.40	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E08.41	Diabetes mellitus due to underlying condition with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E08.42	Diabetes mellitus due to underlying condition with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E08.43	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E08.44	Diabetes mellitus due to underlying condition with diabetic amyotrophy	Diagnosis	ICD-10-CM
E08.49	Diabetes mellitus due to underlying condition with other diabetic neurological complication	Diagnosis	ICD-10-CM
E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E08.59	Diabetes mellitus due to underlying condition with other circulatory complications	Diagnosis	ICD-10-CM
E08.610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E08.618	Diabetes mellitus due to underlying condition with other diabetic arthropathy	Diagnosis	ICD-10-CM
E08.620	Diabetes mellitus due to underlying condition with diabetic dermatitis	Diagnosis	ICD-10-CM
E08.621	Diabetes mellitus due to underlying condition with foot ulcer	Diagnosis	ICD-10-CM
E08.622	Diabetes mellitus due to underlying condition with other skin ulcer	Diagnosis	ICD-10-CM
E08.628	Diabetes mellitus due to underlying condition with other skin complications	Diagnosis	ICD-10-CM
E08.630	Diabetes mellitus due to underlying condition with periodontal disease	Diagnosis	ICD-10-CM
E08.638	Diabetes mellitus due to underlying condition with other oral complications	Diagnosis	ICD-10-CM
E08.641	Diabetes mellitus due to underlying condition with hypoglycemia with coma	Diagnosis	ICD-10-CM
E08.649	Diabetes mellitus due to underlying condition with hypoglycemia without coma	Diagnosis	ICD-10-CM
E08.65	Diabetes mellitus due to underlying condition with hyperglycemia	Diagnosis	ICD-10-CM
E08.69	Diabetes mellitus due to underlying condition with other specified complication	Diagnosis	ICD-10-CM
E08.8	Diabetes mellitus due to underlying condition with unspecified complications	Diagnosis	ICD-10-CM
E08.9	Diabetes mellitus due to underlying condition without complications	Diagnosis	ICD-10-CM
E09.00	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E09.01	Drug or chemical induced diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E09.10	Drug or chemical induced diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E09.11	Drug or chemical induced diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E09.311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09.319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E09.321	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09.3211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E09.3212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E09.3213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3219	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.329	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E09.3291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E09.3292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E09.3293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3299	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09.3311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E09.3312	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E09.3313	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3319	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E09.3391	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E09.3392	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E09.3393	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3399	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09.3411	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E09.3412	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E09.3413	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3419	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E09.3491	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E09.3492	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E09.3493	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3499	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E09.3511	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E09.3512	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E09.3513	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3519	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.3521	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E09.3522	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E09.3523	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E09.3529	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E09.3531	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E09.3532	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E09.3533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E09.3539	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E09.3541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E09.3542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E09.3543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E09.3549	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E09.3551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E09.3552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E09.3553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E09.3559	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E09.359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E09.3591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E09.3592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E09.3593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E09.3599	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E09.37X1	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E09.37X2	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E09.37X3	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E09.37X9	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E09.39	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E09.40	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E09.41	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E09.42	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E09.43	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E09.44	Drug or chemical induced diabetes mellitus with neurological complications with diabetic amyotrophy	Diagnosis	ICD-10-CM
E09.49	Drug or chemical induced diabetes mellitus with neurological complications with other diabetic neurological complication	Diagnosis	ICD-10-CM
E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E09.610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E09.618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E09.620	Drug or chemical induced diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E09.621	Drug or chemical induced diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E09.622	Drug or chemical induced diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E09.628	Drug or chemical induced diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E09.630	Drug or chemical induced diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E09.638	Drug or chemical induced diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E09.641	Drug or chemical induced diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E09.649	Drug or chemical induced diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E09.65	Drug or chemical induced diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E09.69	Drug or chemical induced diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E09.8	Drug or chemical induced diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E09.9	Drug or chemical induced diabetes mellitus without complications	Diagnosis	ICD-10-CM
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10.321	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.329	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.331	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.339	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.341	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.349	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E10.3519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E10.359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E10.36	Type 1 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E10.37X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E10.59	Type 1 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E10.620	Type 1 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E10.621	Type 1 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E10.622	Type 1 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E10.628	Type 1 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E10.630	Type 1 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E10.638	Type 1 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E10.65	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E10.69	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E10.8	Type 1 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E10.9	Type 1 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E11.341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E11.359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.36	Type 2 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E11.59	Type 2 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E11.621	Type 2 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E11.622	Type 2 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E11.628	Type 2 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E11.630	Type 2 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E11.638	Type 2 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E11.65	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E11.69	Type 2 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E11.8	Type 2 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E11.9	Type 2 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E13.21	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.339	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E13.359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.36	Other specified diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E13.59	Other specified diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E13.620	Other specified diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E13.621	Other specified diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E13.622	Other specified diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
E13.628	Other specified diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E13.630	Other specified diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E13.638	Other specified diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E13.65	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E13.69	Other specified diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E13.8	Other specified diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E13.9	Other specified diabetes mellitus without complications	Diagnosis	ICD-10-CM
Systemic Lupus Erythematosus			
M32	Systemic lupus erythematosus (SLE)	Diagnosis	ICD-10-CM
M32.0	Drug-induced systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.1	Systemic lupus erythematosus with organ or system involvement	Diagnosis	ICD-10-CM
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	Diagnosis	ICD-10-CM
M32.11	Endocarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.12	Pericarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.13	Lung involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.14	Glomerular disease in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.19	Other organ or system involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.8	Other forms of systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.9	Systemic lupus erythematosus, unspecified	Diagnosis	ICD-10-CM
Cancer			
C00	Malignant neoplasm of lip	Diagnosis	ICD-10-CM
C00.0	Malignant neoplasm of external upper lip	Diagnosis	ICD-10-CM
C00.1	Malignant neoplasm of external lower lip	Diagnosis	ICD-10-CM
C00.2	Malignant neoplasm of external lip, unspecified	Diagnosis	ICD-10-CM
C00.3	Malignant neoplasm of upper lip, inner aspect	Diagnosis	ICD-10-CM
C00.4	Malignant neoplasm of lower lip, inner aspect	Diagnosis	ICD-10-CM
C00.5	Malignant neoplasm of lip, unspecified, inner aspect	Diagnosis	ICD-10-CM
C00.6	Malignant neoplasm of commissure of lip, unspecified	Diagnosis	ICD-10-CM
C00.8	Malignant neoplasm of overlapping sites of lip	Diagnosis	ICD-10-CM
C00.9	Malignant neoplasm of lip, unspecified	Diagnosis	ICD-10-CM
C01	Malignant neoplasm of base of tongue	Diagnosis	ICD-10-CM
C02	Malignant neoplasm of other and unspecified parts of tongue	Diagnosis	ICD-10-CM
C02.0	Malignant neoplasm of dorsal surface of tongue	Diagnosis	ICD-10-CM
C02.1	Malignant neoplasm of border of tongue	Diagnosis	ICD-10-CM
C02.2	Malignant neoplasm of ventral surface of tongue	Diagnosis	ICD-10-CM
C02.3	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	Diagnosis	ICD-10-CM
C02.4	Malignant neoplasm of lingual tonsil	Diagnosis	ICD-10-CM
C02.8	Malignant neoplasm of overlapping sites of tongue	Diagnosis	ICD-10-CM
C02.9	Malignant neoplasm of tongue, unspecified	Diagnosis	ICD-10-CM
C03	Malignant neoplasm of gum	Diagnosis	ICD-10-CM
C03.0	Malignant neoplasm of upper gum	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

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

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C11.8	Malignant neoplasm of overlapping sites of nasopharynx	Diagnosis	ICD-10-CM
C11.9	Malignant neoplasm of nasopharynx, unspecified	Diagnosis	ICD-10-CM
C12	Malignant neoplasm of pyriform sinus	Diagnosis	ICD-10-CM
C13	Malignant neoplasm of hypopharynx	Diagnosis	ICD-10-CM
C13.0	Malignant neoplasm of postcricoid region	Diagnosis	ICD-10-CM
C13.1	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	Diagnosis	ICD-10-CM
C13.2	Malignant neoplasm of posterior wall of hypopharynx	Diagnosis	ICD-10-CM
C13.8	Malignant neoplasm of overlapping sites of hypopharynx	Diagnosis	ICD-10-CM
C13.9	Malignant neoplasm of hypopharynx, unspecified	Diagnosis	ICD-10-CM
C14	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx	Diagnosis	ICD-10-CM
C14.0	Malignant neoplasm of pharynx, unspecified	Diagnosis	ICD-10-CM
C14.2	Malignant neoplasm of Waldeyer's ring	Diagnosis	ICD-10-CM
C14.8	Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx	Diagnosis	ICD-10-CM
C15	Malignant neoplasm of esophagus	Diagnosis	ICD-10-CM
C15.3	Malignant neoplasm of upper third of esophagus	Diagnosis	ICD-10-CM
C15.4	Malignant neoplasm of middle third of esophagus	Diagnosis	ICD-10-CM
C15.5	Malignant neoplasm of lower third of esophagus	Diagnosis	ICD-10-CM
C15.8	Malignant neoplasm of overlapping sites of esophagus	Diagnosis	ICD-10-CM
C15.9	Malignant neoplasm of esophagus, unspecified	Diagnosis	ICD-10-CM
C16	Malignant neoplasm of stomach	Diagnosis	ICD-10-CM
C16.0	Malignant neoplasm of cardia	Diagnosis	ICD-10-CM
C16.1	Malignant neoplasm of fundus of stomach	Diagnosis	ICD-10-CM
C16.2	Malignant neoplasm of body of stomach	Diagnosis	ICD-10-CM
C16.3	Malignant neoplasm of pyloric antrum	Diagnosis	ICD-10-CM
C16.4	Malignant neoplasm of pylorus	Diagnosis	ICD-10-CM
C16.5	Malignant neoplasm of lesser curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C16.6	Malignant neoplasm of greater curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C16.8	Malignant neoplasm of overlapping sites of stomach	Diagnosis	ICD-10-CM
C16.9	Malignant neoplasm of stomach, unspecified	Diagnosis	ICD-10-CM
C17	Malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
C17.0	Malignant neoplasm of duodenum	Diagnosis	ICD-10-CM
C17.1	Malignant neoplasm of jejunum	Diagnosis	ICD-10-CM
C17.2	Malignant neoplasm of ileum	Diagnosis	ICD-10-CM
C17.3	Meckel's diverticulum, malignant	Diagnosis	ICD-10-CM
C17.8	Malignant neoplasm of overlapping sites of small intestine	Diagnosis	ICD-10-CM
C17.9	Malignant neoplasm of small intestine, unspecified	Diagnosis	ICD-10-CM
C18	Malignant neoplasm of colon	Diagnosis	ICD-10-CM
C18.0	Malignant neoplasm of cecum	Diagnosis	ICD-10-CM
C18.1	Malignant neoplasm of appendix	Diagnosis	ICD-10-CM
C18.2	Malignant neoplasm of ascending colon	Diagnosis	ICD-10-CM
C18.3	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-10-CM
C18.4	Malignant neoplasm of transverse colon	Diagnosis	ICD-10-CM
C18.5	Malignant neoplasm of splenic flexure	Diagnosis	ICD-10-CM
C18.6	Malignant neoplasm of descending colon	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C18.7	Malignant neoplasm of sigmoid colon	Diagnosis	ICD-10-CM
C18.8	Malignant neoplasm of overlapping sites of colon	Diagnosis	ICD-10-CM
C18.9	Malignant neoplasm of colon, unspecified	Diagnosis	ICD-10-CM
C19	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-10-CM
C20	Malignant neoplasm of rectum	Diagnosis	ICD-10-CM
C21	Malignant neoplasm of anus and anal canal	Diagnosis	ICD-10-CM
C21.0	Malignant neoplasm of anus, unspecified	Diagnosis	ICD-10-CM
C21.1	Malignant neoplasm of anal canal	Diagnosis	ICD-10-CM
C21.2	Malignant neoplasm of cloacogenic zone	Diagnosis	ICD-10-CM
C21.8	Malignant neoplasm of overlapping sites of rectum, anus and anal canal	Diagnosis	ICD-10-CM
C22	Malignant neoplasm of liver and intrahepatic bile ducts	Diagnosis	ICD-10-CM
C22.0	Liver cell carcinoma	Diagnosis	ICD-10-CM
C22.1	Intrahepatic bile duct carcinoma	Diagnosis	ICD-10-CM
C22.2	Hepatoblastoma	Diagnosis	ICD-10-CM
C22.3	Angiosarcoma of liver	Diagnosis	ICD-10-CM
C22.4	Other sarcomas of liver	Diagnosis	ICD-10-CM
C22.7	Other specified carcinomas of liver	Diagnosis	ICD-10-CM
C22.8	Malignant neoplasm of liver, primary, unspecified as to type	Diagnosis	ICD-10-CM
C22.9	Malignant neoplasm of liver, not specified as primary or secondary	Diagnosis	ICD-10-CM
C23	Malignant neoplasm of gallbladder	Diagnosis	ICD-10-CM
C24	Malignant neoplasm of other and unspecified parts of biliary tract	Diagnosis	ICD-10-CM
C24.0	Malignant neoplasm of extrahepatic bile duct	Diagnosis	ICD-10-CM
C24.1	Malignant neoplasm of ampulla of Vater	Diagnosis	ICD-10-CM
C24.8	Malignant neoplasm of overlapping sites of biliary tract	Diagnosis	ICD-10-CM
C24.9	Malignant neoplasm of biliary tract, unspecified	Diagnosis	ICD-10-CM
C25	Malignant neoplasm of pancreas	Diagnosis	ICD-10-CM
C25.0	Malignant neoplasm of head of pancreas	Diagnosis	ICD-10-CM
C25.1	Malignant neoplasm of body of pancreas	Diagnosis	ICD-10-CM
C25.2	Malignant neoplasm of tail of pancreas	Diagnosis	ICD-10-CM
C25.3	Malignant neoplasm of pancreatic duct	Diagnosis	ICD-10-CM
C25.4	Malignant neoplasm of endocrine pancreas	Diagnosis	ICD-10-CM
C25.7	Malignant neoplasm of other parts of pancreas	Diagnosis	ICD-10-CM
C25.8	Malignant neoplasm of overlapping sites of pancreas	Diagnosis	ICD-10-CM
C25.9	Malignant neoplasm of pancreas, unspecified	Diagnosis	ICD-10-CM
C26	Malignant neoplasm of other and ill-defined digestive organs	Diagnosis	ICD-10-CM
C26.0	Malignant neoplasm of intestinal tract, part unspecified	Diagnosis	ICD-10-CM
C26.1	Malignant neoplasm of spleen	Diagnosis	ICD-10-CM
C26.9	Malignant neoplasm of ill-defined sites within the digestive system	Diagnosis	ICD-10-CM
C30	Malignant neoplasm of nasal cavity and middle ear	Diagnosis	ICD-10-CM
C30.0	Malignant neoplasm of nasal cavity	Diagnosis	ICD-10-CM
C30.1	Malignant neoplasm of middle ear	Diagnosis	ICD-10-CM
C31	Malignant neoplasm of accessory sinuses	Diagnosis	ICD-10-CM
C31.0	Malignant neoplasm of maxillary sinus	Diagnosis	ICD-10-CM
C31.1	Malignant neoplasm of ethmoidal sinus	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C31.2	Malignant neoplasm of frontal sinus	Diagnosis	ICD-10-CM
C31.3	Malignant neoplasm of sphenoid sinus	Diagnosis	ICD-10-CM
C31.8	Malignant neoplasm of overlapping sites of accessory sinuses	Diagnosis	ICD-10-CM
C31.9	Malignant neoplasm of accessory sinus, unspecified	Diagnosis	ICD-10-CM
C32	Malignant neoplasm of larynx	Diagnosis	ICD-10-CM
C32.0	Malignant neoplasm of glottis	Diagnosis	ICD-10-CM
C32.1	Malignant neoplasm of supraglottis	Diagnosis	ICD-10-CM
C32.2	Malignant neoplasm of subglottis	Diagnosis	ICD-10-CM
C32.3	Malignant neoplasm of laryngeal cartilage	Diagnosis	ICD-10-CM
C32.8	Malignant neoplasm of overlapping sites of larynx	Diagnosis	ICD-10-CM
C32.9	Malignant neoplasm of larynx, unspecified	Diagnosis	ICD-10-CM
C33	Malignant neoplasm of trachea	Diagnosis	ICD-10-CM
C34	Malignant neoplasm of bronchus and lung	Diagnosis	ICD-10-CM
C34.0	Malignant neoplasm of main bronchus	Diagnosis	ICD-10-CM
C34.00	Malignant neoplasm of unspecified main bronchus	Diagnosis	ICD-10-CM
C34.01	Malignant neoplasm of right main bronchus	Diagnosis	ICD-10-CM
C34.02	Malignant neoplasm of left main bronchus	Diagnosis	ICD-10-CM
C34.1	Malignant neoplasm of upper lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.10	Malignant neoplasm of upper lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.11	Malignant neoplasm of upper lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C34.12	Malignant neoplasm of upper lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C34.2	Malignant neoplasm of middle lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.3	Malignant neoplasm of lower lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.30	Malignant neoplasm of lower lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.31	Malignant neoplasm of lower lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C34.32	Malignant neoplasm of lower lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C34.8	Malignant neoplasm of overlapping sites of bronchus and lung	Diagnosis	ICD-10-CM
C34.80	Malignant neoplasm of overlapping sites of unspecified bronchus and lung	Diagnosis	ICD-10-CM
C34.81	Malignant neoplasm of overlapping sites of right bronchus and lung	Diagnosis	ICD-10-CM
C34.82	Malignant neoplasm of overlapping sites of left bronchus and lung	Diagnosis	ICD-10-CM
C34.9	Malignant neoplasm of unspecified part of bronchus or lung	Diagnosis	ICD-10-CM
C34.90	Malignant neoplasm of unspecified part of unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.91	Malignant neoplasm of unspecified part of right bronchus or lung	Diagnosis	ICD-10-CM
C34.92	Malignant neoplasm of unspecified part of left bronchus or lung	Diagnosis	ICD-10-CM
C37	Malignant neoplasm of thymus	Diagnosis	ICD-10-CM
C38	Malignant neoplasm of heart, mediastinum and pleura	Diagnosis	ICD-10-CM
C38.0	Malignant neoplasm of heart	Diagnosis	ICD-10-CM
C38.1	Malignant neoplasm of anterior mediastinum	Diagnosis	ICD-10-CM
C38.2	Malignant neoplasm of posterior mediastinum	Diagnosis	ICD-10-CM
C38.3	Malignant neoplasm of mediastinum, part unspecified	Diagnosis	ICD-10-CM
C38.4	Malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C38.8	Malignant neoplasm of overlapping sites of heart, mediastinum and pleura	Diagnosis	ICD-10-CM
C39	Malignant neoplasm of other and ill-defined sites in the respiratory system and intrathoracic organs	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C39.0	Malignant neoplasm of upper respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C39.9	Malignant neoplasm of lower respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C40	Malignant neoplasm of bone and articular cartilage of limbs	Diagnosis	ICD-10-CM
C40.0	Malignant neoplasm of scapula and long bones of upper limb	Diagnosis	ICD-10-CM
C40.00	Malignant neoplasm of scapula and long bones of unspecified upper limb	Diagnosis	ICD-10-CM
C40.01	Malignant neoplasm of scapula and long bones of right upper limb	Diagnosis	ICD-10-CM
C40.02	Malignant neoplasm of scapula and long bones of left upper limb	Diagnosis	ICD-10-CM
C40.1	Malignant neoplasm of short bones of upper limb	Diagnosis	ICD-10-CM
C40.10	Malignant neoplasm of short bones of unspecified upper limb	Diagnosis	ICD-10-CM
C40.11	Malignant neoplasm of short bones of right upper limb	Diagnosis	ICD-10-CM
C40.12	Malignant neoplasm of short bones of left upper limb	Diagnosis	ICD-10-CM
C40.2	Malignant neoplasm of long bones of lower limb	Diagnosis	ICD-10-CM
C40.20	Malignant neoplasm of long bones of unspecified lower limb	Diagnosis	ICD-10-CM
C40.21	Malignant neoplasm of long bones of right lower limb	Diagnosis	ICD-10-CM
C40.22	Malignant neoplasm of long bones of left lower limb	Diagnosis	ICD-10-CM
C40.3	Malignant neoplasm of short bones of lower limb	Diagnosis	ICD-10-CM
C40.30	Malignant neoplasm of short bones of unspecified lower limb	Diagnosis	ICD-10-CM
C40.31	Malignant neoplasm of short bones of right lower limb	Diagnosis	ICD-10-CM
C40.32	Malignant neoplasm of short bones of left lower limb	Diagnosis	ICD-10-CM
C40.8	Malignant neoplasm of overlapping sites of bone and articular cartilage of limb	Diagnosis	ICD-10-CM
C40.80	Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C40.81	Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb	Diagnosis	ICD-10-CM
C40.82	Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb	Diagnosis	ICD-10-CM
C40.9	Malignant neoplasm of unspecified bones and articular cartilage of limb	Diagnosis	ICD-10-CM
C40.90	Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C40.91	Malignant neoplasm of unspecified bones and articular cartilage of right limb	Diagnosis	ICD-10-CM
C40.92	Malignant neoplasm of unspecified bones and articular cartilage of left limb	Diagnosis	ICD-10-CM
C41	Malignant neoplasm of bone and articular cartilage of other and unspecified sites	Diagnosis	ICD-10-CM
C41.0	Malignant neoplasm of bones of skull and face	Diagnosis	ICD-10-CM
C41.1	Malignant neoplasm of mandible	Diagnosis	ICD-10-CM
C41.2	Malignant neoplasm of vertebral column	Diagnosis	ICD-10-CM
C41.3	Malignant neoplasm of ribs, sternum and clavicle	Diagnosis	ICD-10-CM
C41.4	Malignant neoplasm of pelvic bones, sacrum and coccyx	Diagnosis	ICD-10-CM
C41.9	Malignant neoplasm of bone and articular cartilage, unspecified	Diagnosis	ICD-10-CM
C43	Malignant melanoma of skin	Diagnosis	ICD-10-CM
C43.0	Malignant melanoma of lip	Diagnosis	ICD-10-CM
C43.1	Malignant melanoma of eyelid, including canthus	Diagnosis	ICD-10-CM
C43.10	Malignant melanoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C43.11	Malignant melanoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C43.111	Malignant melanoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C43.112	Malignant melanoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C43.12	Malignant melanoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C43.121	Malignant melanoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C43.122	Malignant melanoma of left lower eyelid, including canthus	Diagnosis	ICD-10-CM
C43.2	Malignant melanoma of ear and external auricular canal	Diagnosis	ICD-10-CM
C43.20	Malignant melanoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C43.21	Malignant melanoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C43.22	Malignant melanoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C43.3	Malignant melanoma of other and unspecified parts of face	Diagnosis	ICD-10-CM
C43.30	Malignant melanoma of unspecified part of face	Diagnosis	ICD-10-CM
C43.31	Malignant melanoma of nose	Diagnosis	ICD-10-CM
C43.39	Malignant melanoma of other parts of face	Diagnosis	ICD-10-CM
C43.4	Malignant melanoma of scalp and neck	Diagnosis	ICD-10-CM
C43.5	Malignant melanoma of trunk	Diagnosis	ICD-10-CM
C43.51	Malignant melanoma of anal skin	Diagnosis	ICD-10-CM
C43.52	Malignant melanoma of skin of breast	Diagnosis	ICD-10-CM
C43.59	Malignant melanoma of other part of trunk	Diagnosis	ICD-10-CM
C43.6	Malignant melanoma of upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.60	Malignant melanoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.61	Malignant melanoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.62	Malignant melanoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.7	Malignant melanoma of lower limb, including hip	Diagnosis	ICD-10-CM
C43.70	Malignant melanoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C43.71	Malignant melanoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C43.72	Malignant melanoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C43.8	Malignant melanoma of overlapping sites of skin	Diagnosis	ICD-10-CM
C43.9	Malignant melanoma of skin, unspecified	Diagnosis	ICD-10-CM
C45	Mesothelioma	Diagnosis	ICD-10-CM
C45.0	Mesothelioma of pleura	Diagnosis	ICD-10-CM
C45.1	Mesothelioma of peritoneum	Diagnosis	ICD-10-CM
C45.2	Mesothelioma of pericardium	Diagnosis	ICD-10-CM
C45.7	Mesothelioma of other sites	Diagnosis	ICD-10-CM
C45.9	Mesothelioma, unspecified	Diagnosis	ICD-10-CM
C46	Kaposi's sarcoma	Diagnosis	ICD-10-CM
C46.0	Kaposi's sarcoma of skin	Diagnosis	ICD-10-CM
C46.1	Kaposi's sarcoma of soft tissue	Diagnosis	ICD-10-CM
C46.2	Kaposi's sarcoma of palate	Diagnosis	ICD-10-CM
C46.3	Kaposi's sarcoma of lymph nodes	Diagnosis	ICD-10-CM
C46.4	Kaposi's sarcoma of gastrointestinal sites	Diagnosis	ICD-10-CM
C46.5	Kaposi's sarcoma of lung	Diagnosis	ICD-10-CM
C46.50	Kaposi's sarcoma of unspecified lung	Diagnosis	ICD-10-CM
C46.51	Kaposi's sarcoma of right lung	Diagnosis	ICD-10-CM
C46.52	Kaposi's sarcoma of left lung	Diagnosis	ICD-10-CM
C46.7	Kaposi's sarcoma of other sites	Diagnosis	ICD-10-CM
C46.9	Kaposi's sarcoma, unspecified	Diagnosis	ICD-10-CM
C47	Malignant neoplasm of peripheral nerves and autonomic nervous system	Diagnosis	ICD-10-CM
C47.0	Malignant neoplasm of peripheral nerves of head, face and neck	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

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

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C4A.0	Merkel cell carcinoma of lip	Diagnosis	ICD-10-CM
C4A.1	Merkel cell carcinoma of eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.10	Merkel cell carcinoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.11	Merkel cell carcinoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.111	Merkel cell carcinoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.112	Merkel cell carcinoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.12	Merkel cell carcinoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.121	Merkel cell carcinoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.122	Merkel cell carcinoma of left lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.2	Merkel cell carcinoma of ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.20	Merkel cell carcinoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.21	Merkel cell carcinoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.22	Merkel cell carcinoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.3	Merkel cell carcinoma of other and unspecified parts of face	Diagnosis	ICD-10-CM
C4A.30	Merkel cell carcinoma of unspecified part of face	Diagnosis	ICD-10-CM
C4A.31	Merkel cell carcinoma of nose	Diagnosis	ICD-10-CM
C4A.39	Merkel cell carcinoma of other parts of face	Diagnosis	ICD-10-CM
C4A.4	Merkel cell carcinoma of scalp and neck	Diagnosis	ICD-10-CM
C4A.5	Merkel cell carcinoma of trunk	Diagnosis	ICD-10-CM
C4A.51	Merkel cell carcinoma of anal skin	Diagnosis	ICD-10-CM
C4A.52	Merkel cell carcinoma of skin of breast	Diagnosis	ICD-10-CM
C4A.59	Merkel cell carcinoma of other part of trunk	Diagnosis	ICD-10-CM
C4A.6	Merkel cell carcinoma of upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.60	Merkel cell carcinoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.61	Merkel cell carcinoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.62	Merkel cell carcinoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.7	Merkel cell carcinoma of lower limb, including hip	Diagnosis	ICD-10-CM
C4A.70	Merkel cell carcinoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4A.71	Merkel cell carcinoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C4A.72	Merkel cell carcinoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C4A.8	Merkel cell carcinoma of overlapping sites	Diagnosis	ICD-10-CM
C4A.9	Merkel cell carcinoma, unspecified	Diagnosis	ICD-10-CM
C50	Malignant neoplasm of breast	Diagnosis	ICD-10-CM
C50.0	Malignant neoplasm of nipple and areola	Diagnosis	ICD-10-CM
C50.01	Malignant neoplasm of nipple and areola, female	Diagnosis	ICD-10-CM
C50.011	Malignant neoplasm of nipple and areola, right female breast	Diagnosis	ICD-10-CM
C50.012	Malignant neoplasm of nipple and areola, left female breast	Diagnosis	ICD-10-CM
C50.019	Malignant neoplasm of nipple and areola, unspecified female breast	Diagnosis	ICD-10-CM
C50.02	Malignant neoplasm of nipple and areola, male	Diagnosis	ICD-10-CM
C50.021	Malignant neoplasm of nipple and areola, right male breast	Diagnosis	ICD-10-CM
C50.022	Malignant neoplasm of nipple and areola, left male breast	Diagnosis	ICD-10-CM
C50.029	Malignant neoplasm of nipple and areola, unspecified male breast	Diagnosis	ICD-10-CM
C50.1	Malignant neoplasm of central portion of breast	Diagnosis	ICD-10-CM
C50.11	Malignant neoplasm of central portion of breast, female	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C50.111	Malignant neoplasm of central portion of right female breast	Diagnosis	ICD-10-CM
C50.112	Malignant neoplasm of central portion of left female breast	Diagnosis	ICD-10-CM
C50.119	Malignant neoplasm of central portion of unspecified female breast	Diagnosis	ICD-10-CM
C50.12	Malignant neoplasm of central portion of breast, male	Diagnosis	ICD-10-CM
C50.121	Malignant neoplasm of central portion of right male breast	Diagnosis	ICD-10-CM
C50.122	Malignant neoplasm of central portion of left male breast	Diagnosis	ICD-10-CM
C50.129	Malignant neoplasm of central portion of unspecified male breast	Diagnosis	ICD-10-CM
C50.2	Malignant neoplasm of upper-inner quadrant of breast	Diagnosis	ICD-10-CM
C50.21	Malignant neoplasm of upper-inner quadrant of breast, female	Diagnosis	ICD-10-CM
C50.211	Malignant neoplasm of upper-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50.212	Malignant neoplasm of upper-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50.219	Malignant neoplasm of upper-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.22	Malignant neoplasm of upper-inner quadrant of breast, male	Diagnosis	ICD-10-CM
C50.221	Malignant neoplasm of upper-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50.222	Malignant neoplasm of upper-inner quadrant of left male breast	Diagnosis	ICD-10-CM
C50.229	Malignant neoplasm of upper-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.3	Malignant neoplasm of lower-inner quadrant of breast	Diagnosis	ICD-10-CM
C50.31	Malignant neoplasm of lower-inner quadrant of breast, female	Diagnosis	ICD-10-CM
C50.311	Malignant neoplasm of lower-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50.312	Malignant neoplasm of lower-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50.319	Malignant neoplasm of lower-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.32	Malignant neoplasm of lower-inner quadrant of breast, male	Diagnosis	ICD-10-CM
C50.321	Malignant neoplasm of lower-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50.322	Malignant neoplasm of lower-inner quadrant of left male breast	Diagnosis	ICD-10-CM
C50.329	Malignant neoplasm of lower-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.4	Malignant neoplasm of upper-outer quadrant of breast	Diagnosis	ICD-10-CM
C50.41	Malignant neoplasm of upper-outer quadrant of breast, female	Diagnosis	ICD-10-CM
C50.411	Malignant neoplasm of upper-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50.412	Malignant neoplasm of upper-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50.419	Malignant neoplasm of upper-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.42	Malignant neoplasm of upper-outer quadrant of breast, male	Diagnosis	ICD-10-CM
C50.421	Malignant neoplasm of upper-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50.422	Malignant neoplasm of upper-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50.429	Malignant neoplasm of upper-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.5	Malignant neoplasm of lower-outer quadrant of breast	Diagnosis	ICD-10-CM
C50.51	Malignant neoplasm of lower-outer quadrant of breast, female	Diagnosis	ICD-10-CM
C50.511	Malignant neoplasm of lower-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50.512	Malignant neoplasm of lower-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.52	Malignant neoplasm of lower-outer quadrant of breast, male	Diagnosis	ICD-10-CM
C50.521	Malignant neoplasm of lower-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50.522	Malignant neoplasm of lower-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50.529	Malignant neoplasm of lower-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.6	Malignant neoplasm of axillary tail of breast	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C50.61	Malignant neoplasm of axillary tail of breast, female	Diagnosis	ICD-10-CM
C50.611	Malignant neoplasm of axillary tail of right female breast	Diagnosis	ICD-10-CM
C50.612	Malignant neoplasm of axillary tail of left female breast	Diagnosis	ICD-10-CM
C50.619	Malignant neoplasm of axillary tail of unspecified female breast	Diagnosis	ICD-10-CM
C50.62	Malignant neoplasm of axillary tail of breast, male	Diagnosis	ICD-10-CM
C50.621	Malignant neoplasm of axillary tail of right male breast	Diagnosis	ICD-10-CM
C50.622	Malignant neoplasm of axillary tail of left male breast	Diagnosis	ICD-10-CM
C50.629	Malignant neoplasm of axillary tail of unspecified male breast	Diagnosis	ICD-10-CM
C50.8	Malignant neoplasm of overlapping sites of breast	Diagnosis	ICD-10-CM
C50.81	Malignant neoplasm of overlapping sites of breast, female	Diagnosis	ICD-10-CM
C50.811	Malignant neoplasm of overlapping sites of right female breast	Diagnosis	ICD-10-CM
C50.812	Malignant neoplasm of overlapping sites of left female breast	Diagnosis	ICD-10-CM
C50.819	Malignant neoplasm of overlapping sites of unspecified female breast	Diagnosis	ICD-10-CM
C50.82	Malignant neoplasm of overlapping sites of breast, male	Diagnosis	ICD-10-CM
C50.821	Malignant neoplasm of overlapping sites of right male breast	Diagnosis	ICD-10-CM
C50.822	Malignant neoplasm of overlapping sites of left male breast	Diagnosis	ICD-10-CM
C50.829	Malignant neoplasm of overlapping sites of unspecified male breast	Diagnosis	ICD-10-CM
C50.9	Malignant neoplasm of breast of unspecified site	Diagnosis	ICD-10-CM
C50.91	Malignant neoplasm of breast of unspecified site, female	Diagnosis	ICD-10-CM
C50.911	Malignant neoplasm of unspecified site of right female breast	Diagnosis	ICD-10-CM
C50.912	Malignant neoplasm of unspecified site of left female breast	Diagnosis	ICD-10-CM
C50.919	Malignant neoplasm of unspecified site of unspecified female breast	Diagnosis	ICD-10-CM
C50.92	Malignant neoplasm of breast of unspecified site, male	Diagnosis	ICD-10-CM
C50.921	Malignant neoplasm of unspecified site of right male breast	Diagnosis	ICD-10-CM
C50.922	Malignant neoplasm of unspecified site of left male breast	Diagnosis	ICD-10-CM
C50.929	Malignant neoplasm of unspecified site of unspecified male breast	Diagnosis	ICD-10-CM
C51	Malignant neoplasm of vulva	Diagnosis	ICD-10-CM
C51.0	Malignant neoplasm of labium majus	Diagnosis	ICD-10-CM
C51.1	Malignant neoplasm of labium minus	Diagnosis	ICD-10-CM
C51.2	Malignant neoplasm of clitoris	Diagnosis	ICD-10-CM
C51.8	Malignant neoplasm of overlapping sites of vulva	Diagnosis	ICD-10-CM
C51.9	Malignant neoplasm of vulva, unspecified	Diagnosis	ICD-10-CM
C52	Malignant neoplasm of vagina	Diagnosis	ICD-10-CM
C53	Malignant neoplasm of cervix uteri	Diagnosis	ICD-10-CM
C53.0	Malignant neoplasm of endocervix	Diagnosis	ICD-10-CM
C53.1	Malignant neoplasm of exocervix	Diagnosis	ICD-10-CM
C53.8	Malignant neoplasm of overlapping sites of cervix uteri	Diagnosis	ICD-10-CM
C53.9	Malignant neoplasm of cervix uteri, unspecified	Diagnosis	ICD-10-CM
C54	Malignant neoplasm of corpus uteri	Diagnosis	ICD-10-CM
C54.0	Malignant neoplasm of isthmus uteri	Diagnosis	ICD-10-CM
C54.1	Malignant neoplasm of endometrium	Diagnosis	ICD-10-CM
C54.2	Malignant neoplasm of myometrium	Diagnosis	ICD-10-CM
C54.3	Malignant neoplasm of fundus uteri	Diagnosis	ICD-10-CM
C54.8	Malignant neoplasm of overlapping sites of corpus uteri	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C54.9	Malignant neoplasm of corpus uteri, unspecified	Diagnosis	ICD-10-CM
C55	Malignant neoplasm of uterus, part unspecified	Diagnosis	ICD-10-CM
C56	Malignant neoplasm of ovary	Diagnosis	ICD-10-CM
C56.1	Malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C56.2	Malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C56.9	Malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C57	Malignant neoplasm of other and unspecified female genital organs	Diagnosis	ICD-10-CM
C57.0	Malignant neoplasm of fallopian tube	Diagnosis	ICD-10-CM
C57.00	Malignant neoplasm of unspecified fallopian tube	Diagnosis	ICD-10-CM
C57.01	Malignant neoplasm of right fallopian tube	Diagnosis	ICD-10-CM
C57.02	Malignant neoplasm of left fallopian tube	Diagnosis	ICD-10-CM
C57.1	Malignant neoplasm of broad ligament	Diagnosis	ICD-10-CM
C57.10	Malignant neoplasm of unspecified broad ligament	Diagnosis	ICD-10-CM
C57.11	Malignant neoplasm of right broad ligament	Diagnosis	ICD-10-CM
C57.12	Malignant neoplasm of left broad ligament	Diagnosis	ICD-10-CM
C57.2	Malignant neoplasm of round ligament	Diagnosis	ICD-10-CM
C57.20	Malignant neoplasm of unspecified round ligament	Diagnosis	ICD-10-CM
C57.21	Malignant neoplasm of right round ligament	Diagnosis	ICD-10-CM
C57.22	Malignant neoplasm of left round ligament	Diagnosis	ICD-10-CM
C57.3	Malignant neoplasm of parametrium	Diagnosis	ICD-10-CM
C57.4	Malignant neoplasm of uterine adnexa, unspecified	Diagnosis	ICD-10-CM
C57.7	Malignant neoplasm of other specified female genital organs	Diagnosis	ICD-10-CM
C57.8	Malignant neoplasm of overlapping sites of female genital organs	Diagnosis	ICD-10-CM
C57.9	Malignant neoplasm of female genital organ, unspecified	Diagnosis	ICD-10-CM
C58	Malignant neoplasm of placenta	Diagnosis	ICD-10-CM
C60	Malignant neoplasm of penis	Diagnosis	ICD-10-CM
C60.0	Malignant neoplasm of prepuce	Diagnosis	ICD-10-CM
C60.1	Malignant neoplasm of glans penis	Diagnosis	ICD-10-CM
C60.2	Malignant neoplasm of body of penis	Diagnosis	ICD-10-CM
C60.8	Malignant neoplasm of overlapping sites of penis	Diagnosis	ICD-10-CM
C60.9	Malignant neoplasm of penis, unspecified	Diagnosis	ICD-10-CM
C61	Malignant neoplasm of prostate	Diagnosis	ICD-10-CM
C62	Malignant neoplasm of testis	Diagnosis	ICD-10-CM
C62.0	Malignant neoplasm of undescended testis	Diagnosis	ICD-10-CM
C62.00	Malignant neoplasm of unspecified undescended testis	Diagnosis	ICD-10-CM
C62.01	Malignant neoplasm of undescended right testis	Diagnosis	ICD-10-CM
C62.02	Malignant neoplasm of undescended left testis	Diagnosis	ICD-10-CM
C62.1	Malignant neoplasm of descended testis	Diagnosis	ICD-10-CM
C62.10	Malignant neoplasm of unspecified descended testis	Diagnosis	ICD-10-CM
C62.11	Malignant neoplasm of descended right testis	Diagnosis	ICD-10-CM
C62.12	Malignant neoplasm of descended left testis	Diagnosis	ICD-10-CM
C62.9	Malignant neoplasm of testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C62.90	Malignant neoplasm of unspecified testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C62.91	Malignant neoplasm of right testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C62.92	Malignant neoplasm of left testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C63	Malignant neoplasm of other and unspecified male genital organs	Diagnosis	ICD-10-CM
C63.0	Malignant neoplasm of epididymis	Diagnosis	ICD-10-CM
C63.00	Malignant neoplasm of unspecified epididymis	Diagnosis	ICD-10-CM
C63.01	Malignant neoplasm of right epididymis	Diagnosis	ICD-10-CM
C63.02	Malignant neoplasm of left epididymis	Diagnosis	ICD-10-CM
C63.1	Malignant neoplasm of spermatic cord	Diagnosis	ICD-10-CM
C63.10	Malignant neoplasm of unspecified spermatic cord	Diagnosis	ICD-10-CM
C63.11	Malignant neoplasm of right spermatic cord	Diagnosis	ICD-10-CM
C63.12	Malignant neoplasm of left spermatic cord	Diagnosis	ICD-10-CM
C63.2	Malignant neoplasm of scrotum	Diagnosis	ICD-10-CM
C63.7	Malignant neoplasm of other specified male genital organs	Diagnosis	ICD-10-CM
C63.8	Malignant neoplasm of overlapping sites of male genital organs	Diagnosis	ICD-10-CM
C63.9	Malignant neoplasm of male genital organ, unspecified	Diagnosis	ICD-10-CM
C64	Malignant neoplasm of kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.1	Malignant neoplasm of right kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.2	Malignant neoplasm of left kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis	Diagnosis	ICD-10-CM
C65	Malignant neoplasm of renal pelvis	Diagnosis	ICD-10-CM
C65.1	Malignant neoplasm of right renal pelvis	Diagnosis	ICD-10-CM
C65.2	Malignant neoplasm of left renal pelvis	Diagnosis	ICD-10-CM
C65.9	Malignant neoplasm of unspecified renal pelvis	Diagnosis	ICD-10-CM
C66	Malignant neoplasm of ureter	Diagnosis	ICD-10-CM
C66.1	Malignant neoplasm of right ureter	Diagnosis	ICD-10-CM
C66.2	Malignant neoplasm of left ureter	Diagnosis	ICD-10-CM
C66.9	Malignant neoplasm of unspecified ureter	Diagnosis	ICD-10-CM
C67	Malignant neoplasm of bladder	Diagnosis	ICD-10-CM
C67.0	Malignant neoplasm of trigone of bladder	Diagnosis	ICD-10-CM
C67.1	Malignant neoplasm of dome of bladder	Diagnosis	ICD-10-CM
C67.2	Malignant neoplasm of lateral wall of bladder	Diagnosis	ICD-10-CM
C67.3	Malignant neoplasm of anterior wall of bladder	Diagnosis	ICD-10-CM
C67.4	Malignant neoplasm of posterior wall of bladder	Diagnosis	ICD-10-CM
C67.5	Malignant neoplasm of bladder neck	Diagnosis	ICD-10-CM
C67.6	Malignant neoplasm of ureteric orifice	Diagnosis	ICD-10-CM
C67.7	Malignant neoplasm of urachus	Diagnosis	ICD-10-CM
C67.8	Malignant neoplasm of overlapping sites of bladder	Diagnosis	ICD-10-CM
C67.9	Malignant neoplasm of bladder, unspecified	Diagnosis	ICD-10-CM
C68	Malignant neoplasm of other and unspecified urinary organs	Diagnosis	ICD-10-CM
C68.0	Malignant neoplasm of urethra	Diagnosis	ICD-10-CM
C68.1	Malignant neoplasm of paraurethral glands	Diagnosis	ICD-10-CM
C68.8	Malignant neoplasm of overlapping sites of urinary organs	Diagnosis	ICD-10-CM
C68.9	Malignant neoplasm of urinary organ, unspecified	Diagnosis	ICD-10-CM
C69	Malignant neoplasm of eye and adnexa	Diagnosis	ICD-10-CM
C69.0	Malignant neoplasm of conjunctiva	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C69.00	Malignant neoplasm of unspecified conjunctiva	Diagnosis	ICD-10-CM
C69.01	Malignant neoplasm of right conjunctiva	Diagnosis	ICD-10-CM
C69.02	Malignant neoplasm of left conjunctiva	Diagnosis	ICD-10-CM
C69.1	Malignant neoplasm of cornea	Diagnosis	ICD-10-CM
C69.10	Malignant neoplasm of unspecified cornea	Diagnosis	ICD-10-CM
C69.11	Malignant neoplasm of right cornea	Diagnosis	ICD-10-CM
C69.12	Malignant neoplasm of left cornea	Diagnosis	ICD-10-CM
C69.2	Malignant neoplasm of retina	Diagnosis	ICD-10-CM
C69.20	Malignant neoplasm of unspecified retina	Diagnosis	ICD-10-CM
C69.21	Malignant neoplasm of right retina	Diagnosis	ICD-10-CM
C69.22	Malignant neoplasm of left retina	Diagnosis	ICD-10-CM
C69.3	Malignant neoplasm of choroid	Diagnosis	ICD-10-CM
C69.30	Malignant neoplasm of unspecified choroid	Diagnosis	ICD-10-CM
C69.31	Malignant neoplasm of right choroid	Diagnosis	ICD-10-CM
C69.32	Malignant neoplasm of left choroid	Diagnosis	ICD-10-CM
C69.4	Malignant neoplasm of ciliary body	Diagnosis	ICD-10-CM
C69.40	Malignant neoplasm of unspecified ciliary body	Diagnosis	ICD-10-CM
C69.41	Malignant neoplasm of right ciliary body	Diagnosis	ICD-10-CM
C69.42	Malignant neoplasm of left ciliary body	Diagnosis	ICD-10-CM
C69.5	Malignant neoplasm of lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.50	Malignant neoplasm of unspecified lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.51	Malignant neoplasm of right lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.52	Malignant neoplasm of left lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.6	Malignant neoplasm of orbit	Diagnosis	ICD-10-CM
C69.60	Malignant neoplasm of unspecified orbit	Diagnosis	ICD-10-CM
C69.61	Malignant neoplasm of right orbit	Diagnosis	ICD-10-CM
C69.62	Malignant neoplasm of left orbit	Diagnosis	ICD-10-CM
C69.8	Malignant neoplasm of overlapping sites of eye and adnexa	Diagnosis	ICD-10-CM
C69.80	Malignant neoplasm of overlapping sites of unspecified eye and adnexa	Diagnosis	ICD-10-CM
C69.81	Malignant neoplasm of overlapping sites of right eye and adnexa	Diagnosis	ICD-10-CM
C69.82	Malignant neoplasm of overlapping sites of left eye and adnexa	Diagnosis	ICD-10-CM
C69.9	Malignant neoplasm of unspecified site of eye	Diagnosis	ICD-10-CM
C69.90	Malignant neoplasm of unspecified site of unspecified eye	Diagnosis	ICD-10-CM
C69.91	Malignant neoplasm of unspecified site of right eye	Diagnosis	ICD-10-CM
C69.92	Malignant neoplasm of unspecified site of left eye	Diagnosis	ICD-10-CM
C70	Malignant neoplasm of meninges	Diagnosis	ICD-10-CM
C70.0	Malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C70.1	Malignant neoplasm of spinal meninges	Diagnosis	ICD-10-CM
C70.9	Malignant neoplasm of meninges, unspecified	Diagnosis	ICD-10-CM
C71	Malignant neoplasm of brain	Diagnosis	ICD-10-CM
C71.0	Malignant neoplasm of cerebrum, except lobes and ventricles	Diagnosis	ICD-10-CM
C71.1	Malignant neoplasm of frontal lobe	Diagnosis	ICD-10-CM
C71.2	Malignant neoplasm of temporal lobe	Diagnosis	ICD-10-CM
C71.3	Malignant neoplasm of parietal lobe	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C71.4	Malignant neoplasm of occipital lobe	Diagnosis	ICD-10-CM
C71.5	Malignant neoplasm of cerebral ventricle	Diagnosis	ICD-10-CM
C71.6	Malignant neoplasm of cerebellum	Diagnosis	ICD-10-CM
C71.7	Malignant neoplasm of brain stem	Diagnosis	ICD-10-CM
C71.8	Malignant neoplasm of overlapping sites of brain	Diagnosis	ICD-10-CM
C71.9	Malignant neoplasm of brain, unspecified	Diagnosis	ICD-10-CM
C72	Malignant neoplasm of spinal cord, cranial nerves and other parts of central nervous system	Diagnosis	ICD-10-CM
C72.0	Malignant neoplasm of spinal cord	Diagnosis	ICD-10-CM
C72.1	Malignant neoplasm of cauda equina	Diagnosis	ICD-10-CM
C72.2	Malignant neoplasm of olfactory nerve	Diagnosis	ICD-10-CM
C72.20	Malignant neoplasm of unspecified olfactory nerve	Diagnosis	ICD-10-CM
C72.21	Malignant neoplasm of right olfactory nerve	Diagnosis	ICD-10-CM
C72.22	Malignant neoplasm of left olfactory nerve	Diagnosis	ICD-10-CM
C72.3	Malignant neoplasm of optic nerve	Diagnosis	ICD-10-CM
C72.30	Malignant neoplasm of unspecified optic nerve	Diagnosis	ICD-10-CM
C72.31	Malignant neoplasm of right optic nerve	Diagnosis	ICD-10-CM
C72.32	Malignant neoplasm of left optic nerve	Diagnosis	ICD-10-CM
C72.4	Malignant neoplasm of acoustic nerve	Diagnosis	ICD-10-CM
C72.40	Malignant neoplasm of unspecified acoustic nerve	Diagnosis	ICD-10-CM
C72.41	Malignant neoplasm of right acoustic nerve	Diagnosis	ICD-10-CM
C72.42	Malignant neoplasm of left acoustic nerve	Diagnosis	ICD-10-CM
C72.5	Malignant neoplasm of other and unspecified cranial nerves	Diagnosis	ICD-10-CM
C72.50	Malignant neoplasm of unspecified cranial nerve	Diagnosis	ICD-10-CM
C72.59	Malignant neoplasm of other cranial nerves	Diagnosis	ICD-10-CM
C72.9	Malignant neoplasm of central nervous system, unspecified	Diagnosis	ICD-10-CM
C73	Malignant neoplasm of thyroid gland	Diagnosis	ICD-10-CM
C74	Malignant neoplasm of adrenal gland	Diagnosis	ICD-10-CM
C74.0	Malignant neoplasm of cortex of adrenal gland	Diagnosis	ICD-10-CM
C74.00	Malignant neoplasm of cortex of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.01	Malignant neoplasm of cortex of right adrenal gland	Diagnosis	ICD-10-CM
C74.02	Malignant neoplasm of cortex of left adrenal gland	Diagnosis	ICD-10-CM
C74.1	Malignant neoplasm of medulla of adrenal gland	Diagnosis	ICD-10-CM
C74.10	Malignant neoplasm of medulla of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.11	Malignant neoplasm of medulla of right adrenal gland	Diagnosis	ICD-10-CM
C74.12	Malignant neoplasm of medulla of left adrenal gland	Diagnosis	ICD-10-CM
C74.9	Malignant neoplasm of unspecified part of adrenal gland	Diagnosis	ICD-10-CM
C74.90	Malignant neoplasm of unspecified part of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.91	Malignant neoplasm of unspecified part of right adrenal gland	Diagnosis	ICD-10-CM
C74.92	Malignant neoplasm of unspecified part of left adrenal gland	Diagnosis	ICD-10-CM
C75	Malignant neoplasm of other endocrine glands and related structures	Diagnosis	ICD-10-CM
C75.0	Malignant neoplasm of parathyroid gland	Diagnosis	ICD-10-CM
C75.1	Malignant neoplasm of pituitary gland	Diagnosis	ICD-10-CM
C75.2	Malignant neoplasm of craniopharyngeal duct	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C75.3	Malignant neoplasm of pineal gland	Diagnosis	ICD-10-CM
C75.4	Malignant neoplasm of carotid body	Diagnosis	ICD-10-CM
C75.5	Malignant neoplasm of aortic body and other paraganglia	Diagnosis	ICD-10-CM
C75.8	Malignant neoplasm with pluriglandular involvement, unspecified	Diagnosis	ICD-10-CM
C75.9	Malignant neoplasm of endocrine gland, unspecified	Diagnosis	ICD-10-CM
C76	Malignant neoplasm of other and ill-defined sites	Diagnosis	ICD-10-CM
C76.0	Malignant neoplasm of head, face and neck	Diagnosis	ICD-10-CM
C76.1	Malignant neoplasm of thorax	Diagnosis	ICD-10-CM
C76.2	Malignant neoplasm of abdomen	Diagnosis	ICD-10-CM
C76.3	Malignant neoplasm of pelvis	Diagnosis	ICD-10-CM
C76.4	Malignant neoplasm of upper limb	Diagnosis	ICD-10-CM
C76.40	Malignant neoplasm of unspecified upper limb	Diagnosis	ICD-10-CM
C76.41	Malignant neoplasm of right upper limb	Diagnosis	ICD-10-CM
C76.42	Malignant neoplasm of left upper limb	Diagnosis	ICD-10-CM
C76.5	Malignant neoplasm of lower limb	Diagnosis	ICD-10-CM
C76.50	Malignant neoplasm of unspecified lower limb	Diagnosis	ICD-10-CM
C76.51	Malignant neoplasm of right lower limb	Diagnosis	ICD-10-CM
C76.52	Malignant neoplasm of left lower limb	Diagnosis	ICD-10-CM
C76.8	Malignant neoplasm of other specified ill-defined sites	Diagnosis	ICD-10-CM
C77	Secondary and unspecified malignant neoplasm of lymph nodes	Diagnosis	ICD-10-CM
C77.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck	Diagnosis	ICD-10-CM
C77.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C77.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C77.3	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes	Diagnosis	ICD-10-CM
C77.4	Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes	Diagnosis	ICD-10-CM
C77.5	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C77.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions	Diagnosis	ICD-10-CM
C77.9	Secondary and unspecified malignant neoplasm of lymph node, unspecified	Diagnosis	ICD-10-CM
C78	Secondary malignant neoplasm of respiratory and digestive organs	Diagnosis	ICD-10-CM
C78.0	Secondary malignant neoplasm of lung	Diagnosis	ICD-10-CM
C78.00	Secondary malignant neoplasm of unspecified lung	Diagnosis	ICD-10-CM
C78.01	Secondary malignant neoplasm of right lung	Diagnosis	ICD-10-CM
C78.02	Secondary malignant neoplasm of left lung	Diagnosis	ICD-10-CM
C78.1	Secondary malignant neoplasm of mediastinum	Diagnosis	ICD-10-CM
C78.2	Secondary malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C78.3	Secondary malignant neoplasm of other and unspecified respiratory organs	Diagnosis	ICD-10-CM
C78.30	Secondary malignant neoplasm of unspecified respiratory organ	Diagnosis	ICD-10-CM
C78.39	Secondary malignant neoplasm of other respiratory organs	Diagnosis	ICD-10-CM
C78.4	Secondary malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
C78.5	Secondary malignant neoplasm of large intestine and rectum	Diagnosis	ICD-10-CM
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct	Diagnosis	ICD-10-CM
C78.8	Secondary malignant neoplasm of other and unspecified digestive organs	Diagnosis	ICD-10-CM
C78.80	Secondary malignant neoplasm of unspecified digestive organ	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C78.89	Secondary malignant neoplasm of other digestive organs	Diagnosis	ICD-10-CM
C79	Secondary malignant neoplasm of other and unspecified sites	Diagnosis	ICD-10-CM
C79.0	Secondary malignant neoplasm of kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.00	Secondary malignant neoplasm of unspecified kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.01	Secondary malignant neoplasm of right kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.02	Secondary malignant neoplasm of left kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.1	Secondary malignant neoplasm of bladder and other and unspecified urinary organs	Diagnosis	ICD-10-CM
C79.10	Secondary malignant neoplasm of unspecified urinary organs	Diagnosis	ICD-10-CM
C79.11	Secondary malignant neoplasm of bladder	Diagnosis	ICD-10-CM
C79.19	Secondary malignant neoplasm of other urinary organs	Diagnosis	ICD-10-CM
C79.2	Secondary malignant neoplasm of skin	Diagnosis	ICD-10-CM
C79.3	Secondary malignant neoplasm of brain and cerebral meninges	Diagnosis	ICD-10-CM
C79.31	Secondary malignant neoplasm of brain	Diagnosis	ICD-10-CM
C79.32	Secondary malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C79.4	Secondary malignant neoplasm of other and unspecified parts of nervous system	Diagnosis	ICD-10-CM
C79.40	Secondary malignant neoplasm of unspecified part of nervous system	Diagnosis	ICD-10-CM
C79.49	Secondary malignant neoplasm of other parts of nervous system	Diagnosis	ICD-10-CM
C79.5	Secondary malignant neoplasm of bone and bone marrow	Diagnosis	ICD-10-CM
C79.51	Secondary malignant neoplasm of bone	Diagnosis	ICD-10-CM
C79.52	Secondary malignant neoplasm of bone marrow	Diagnosis	ICD-10-CM
C79.6	Secondary malignant neoplasm of ovary	Diagnosis	ICD-10-CM
C79.60	Secondary malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C79.61	Secondary malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C79.62	Secondary malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C79.7	Secondary malignant neoplasm of adrenal gland	Diagnosis	ICD-10-CM
C79.70	Secondary malignant neoplasm of unspecified adrenal gland	Diagnosis	ICD-10-CM
C79.71	Secondary malignant neoplasm of right adrenal gland	Diagnosis	ICD-10-CM
C79.72	Secondary malignant neoplasm of left adrenal gland	Diagnosis	ICD-10-CM
C79.8	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-10-CM
C79.81	Secondary malignant neoplasm of breast	Diagnosis	ICD-10-CM
C79.82	Secondary malignant neoplasm of genital organs	Diagnosis	ICD-10-CM
C79.89	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-10-CM
C79.9	Secondary malignant neoplasm of unspecified site	Diagnosis	ICD-10-CM
C7A	Malignant neuroendocrine tumors	Diagnosis	ICD-10-CM
C7A.0	Malignant carcinoid tumors	Diagnosis	ICD-10-CM
C7A.00	Malignant carcinoid tumor of unspecified site	Diagnosis	ICD-10-CM
C7A.01	Malignant carcinoid tumors of the small intestine	Diagnosis	ICD-10-CM
C7A.010	Malignant carcinoid tumor of the duodenum	Diagnosis	ICD-10-CM
C7A.011	Malignant carcinoid tumor of the jejunum	Diagnosis	ICD-10-CM
C7A.012	Malignant carcinoid tumor of the ileum	Diagnosis	ICD-10-CM
C7A.019	Malignant carcinoid tumor of the small intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A.02	Malignant carcinoid tumors of the appendix, large intestine, and rectum	Diagnosis	ICD-10-CM
C7A.020	Malignant carcinoid tumor of the appendix	Diagnosis	ICD-10-CM
C7A.021	Malignant carcinoid tumor of the cecum	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C7A.022	Malignant carcinoid tumor of the ascending colon	Diagnosis	ICD-10-CM
C7A.023	Malignant carcinoid tumor of the transverse colon	Diagnosis	ICD-10-CM
C7A.024	Malignant carcinoid tumor of the descending colon	Diagnosis	ICD-10-CM
C7A.025	Malignant carcinoid tumor of the sigmoid colon	Diagnosis	ICD-10-CM
C7A.026	Malignant carcinoid tumor of the rectum	Diagnosis	ICD-10-CM
C7A.029	Malignant carcinoid tumor of the large intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A.09	Malignant carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7A.090	Malignant carcinoid tumor of the bronchus and lung	Diagnosis	ICD-10-CM
C7A.091	Malignant carcinoid tumor of the thymus	Diagnosis	ICD-10-CM
C7A.092	Malignant carcinoid tumor of the stomach	Diagnosis	ICD-10-CM
C7A.093	Malignant carcinoid tumor of the kidney	Diagnosis	ICD-10-CM
C7A.094	Malignant carcinoid tumor of the foregut, unspecified	Diagnosis	ICD-10-CM
C7A.095	Malignant carcinoid tumor of the midgut, unspecified	Diagnosis	ICD-10-CM
C7A.096	Malignant carcinoid tumor of the hindgut, unspecified	Diagnosis	ICD-10-CM
C7A.098	Malignant carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7A.1	Malignant poorly differentiated neuroendocrine tumors	Diagnosis	ICD-10-CM
C7A.8	Other malignant neuroendocrine tumors	Diagnosis	ICD-10-CM
C7B	Secondary neuroendocrine tumors	Diagnosis	ICD-10-CM
C7B.0	Secondary carcinoid tumors	Diagnosis	ICD-10-CM
C7B.00	Secondary carcinoid tumors, unspecified site	Diagnosis	ICD-10-CM
C7B.01	Secondary carcinoid tumors of distant lymph nodes	Diagnosis	ICD-10-CM
C7B.02	Secondary carcinoid tumors of liver	Diagnosis	ICD-10-CM
C7B.03	Secondary carcinoid tumors of bone	Diagnosis	ICD-10-CM
C7B.04	Secondary carcinoid tumors of peritoneum	Diagnosis	ICD-10-CM
C7B.09	Secondary carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7B.1	Secondary Merkel cell carcinoma	Diagnosis	ICD-10-CM
C7B.8	Other secondary neuroendocrine tumors	Diagnosis	ICD-10-CM
C80	Malignant neoplasm without specification of site	Diagnosis	ICD-10-CM
C80.0	Disseminated malignant neoplasm, unspecified	Diagnosis	ICD-10-CM
C80.1	Malignant (primary) neoplasm, unspecified	Diagnosis	ICD-10-CM
C80.2	Malignant neoplasm associated with transplanted organ	Diagnosis	ICD-10-CM
C81	Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.0	Nodular lymphocyte predominant Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.00	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.01	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.02	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.03	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.04	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.05	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.06	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.07	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C81.08	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.09	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.1	Nodular sclerosis Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.2	Mixed cellularity Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.3	Lymphocyte depleted Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.4	Lymphocyte-rich Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.7	Other Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.70	Other Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.71	Other Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.72	Other Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.73	Other Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.74	Other Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.75	Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.76	Other Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.77	Other Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.78	Other Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.79	Other Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.9	Hodgkin lymphoma, unspecified	Diagnosis	ICD-10-CM
C81.90	Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.97	Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82	Follicular lymphoma	Diagnosis	ICD-10-CM
C82.0	Follicular lymphoma grade I	Diagnosis	ICD-10-CM
C82.00	Follicular lymphoma grade I, unspecified site	Diagnosis	ICD-10-CM
C82.01	Follicular lymphoma grade I, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.04	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.05	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.07	Follicular lymphoma grade I, spleen	Diagnosis	ICD-10-CM
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.1	Follicular lymphoma grade II	Diagnosis	ICD-10-CM
C82.10	Follicular lymphoma grade II, unspecified site	Diagnosis	ICD-10-CM
C82.11	Follicular lymphoma grade II, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.14	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.15	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C82.17	Follicular lymphoma grade II, spleen	Diagnosis	ICD-10-CM
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.2	Follicular lymphoma grade III, unspecified	Diagnosis	ICD-10-CM
C82.20	Follicular lymphoma grade III, unspecified, unspecified site	Diagnosis	ICD-10-CM
C82.21	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.22	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.23	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.24	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.25	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.26	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.27	Follicular lymphoma grade III, unspecified, spleen	Diagnosis	ICD-10-CM
C82.28	Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.29	Follicular lymphoma grade III, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.3	Follicular lymphoma grade IIIa	Diagnosis	ICD-10-CM
C82.30	Follicular lymphoma grade IIIa, unspecified site	Diagnosis	ICD-10-CM
C82.31	Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.32	Follicular lymphoma grade IIIa, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.33	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.34	Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.35	Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.36	Follicular lymphoma grade IIIa, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.37	Follicular lymphoma grade IIIa, spleen	Diagnosis	ICD-10-CM
C82.38	Follicular lymphoma grade IIIa, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.39	Follicular lymphoma grade IIIa, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.4	Follicular lymphoma grade IIIb	Diagnosis	ICD-10-CM
C82.40	Follicular lymphoma grade IIIb, unspecified site	Diagnosis	ICD-10-CM
C82.41	Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.42	Follicular lymphoma grade IIIb, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.43	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.44	Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.45	Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.46	Follicular lymphoma grade IIIb, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.47	Follicular lymphoma grade IIIb, spleen	Diagnosis	ICD-10-CM
C82.48	Follicular lymphoma grade IIIb, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.49	Follicular lymphoma grade IIIb, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.5	Diffuse follicle center lymphoma	Diagnosis	ICD-10-CM
C82.50	Diffuse follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.51	Diffuse follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.52	Diffuse follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.53	Diffuse follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.54	Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.55	Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.56	Diffuse follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C82.57	Diffuse follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C82.58	Diffuse follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.59	Diffuse follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.6	Cutaneous follicle center lymphoma	Diagnosis	ICD-10-CM
C82.60	Cutaneous follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.61	Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.62	Cutaneous follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.63	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.64	Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.65	Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.66	Cutaneous follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.67	Cutaneous follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C82.68	Cutaneous follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.69	Cutaneous follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.8	Other types of follicular lymphoma	Diagnosis	ICD-10-CM
C82.80	Other types of follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.81	Other types of follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.84	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.85	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.87	Other types of follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.9	Follicular lymphoma, unspecified	Diagnosis	ICD-10-CM
C82.90	Follicular lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.94	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.95	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.97	Follicular lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83	Non-follicular lymphoma	Diagnosis	ICD-10-CM
C83.0	Small cell B-cell lymphoma	Diagnosis	ICD-10-CM
C83.00	Small cell B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.07	Small cell B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.1	Mantle cell lymphoma	Diagnosis	ICD-10-CM
C83.10	Mantle cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.11	Mantle cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.17	Mantle cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.3	Diffuse large B-cell lymphoma	Diagnosis	ICD-10-CM
C83.30	Diffuse large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.34	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.35	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.37	Diffuse large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.5	Lymphoblastic (diffuse) lymphoma	Diagnosis	ICD-10-CM
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	Diagnosis	ICD-10-CM
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.7	Burkitt lymphoma	Diagnosis	ICD-10-CM
C83.70	Burkitt lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.71	Burkitt lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.72	Burkitt lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.74	Burkitt lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C83.76	Burkitt lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.77	Burkitt lymphoma, spleen	Diagnosis	ICD-10-CM
C83.78	Burkitt lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.79	Burkitt lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.8	Other non-follicular lymphoma	Diagnosis	ICD-10-CM
C83.80	Other non-follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.81	Other non-follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.87	Other non-follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.9	Non-follicular (diffuse) lymphoma, unspecified	Diagnosis	ICD-10-CM
C83.90	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C83.91	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.92	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.93	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.94	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.95	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.96	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.97	Non-follicular (diffuse) lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C83.98	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.99	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84	Mature T/NK-cell lymphomas	Diagnosis	ICD-10-CM
C84.0	Mycosis fungoides	Diagnosis	ICD-10-CM
C84.00	Mycosis fungoides, unspecified site	Diagnosis	ICD-10-CM
C84.01	Mycosis fungoides, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.02	Mycosis fungoides, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.03	Mycosis fungoides, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.04	Mycosis fungoides, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.05	Mycosis fungoides, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.06	Mycosis fungoides, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.07	Mycosis fungoides, spleen	Diagnosis	ICD-10-CM
C84.08	Mycosis fungoides, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.09	Mycosis fungoides, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.1	Sezary disease	Diagnosis	ICD-10-CM
C84.10	Sezary disease, unspecified site	Diagnosis	ICD-10-CM
C84.11	Sezary disease, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.12	Sezary disease, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.13	Sezary disease, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.14	Sezary disease, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C84.15	Sezary disease, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.16	Sezary disease, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.17	Sezary disease, spleen	Diagnosis	ICD-10-CM
C84.18	Sezary disease, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.19	Sezary disease, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.4	Peripheral T-cell lymphoma, not classified	Diagnosis	ICD-10-CM
C84.40	Peripheral T-cell lymphoma, not classified, unspecified site	Diagnosis	ICD-10-CM
C84.41	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.42	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.43	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.44	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.45	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.46	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.47	Peripheral T-cell lymphoma, not classified, spleen	Diagnosis	ICD-10-CM
C84.48	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.49	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.6	Anaplastic large cell lymphoma, ALK-positive	Diagnosis	ICD-10-CM
C84.60	Anaplastic large cell lymphoma, ALK-positive, unspecified site	Diagnosis	ICD-10-CM
C84.61	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.62	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.63	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.64	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.65	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.66	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.67	Anaplastic large cell lymphoma, ALK-positive, spleen	Diagnosis	ICD-10-CM
C84.68	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.69	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.7	Anaplastic large cell lymphoma, ALK-negative	Diagnosis	ICD-10-CM
C84.70	Anaplastic large cell lymphoma, ALK-negative, unspecified site	Diagnosis	ICD-10-CM
C84.71	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.72	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.73	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.74	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.75	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.76	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.77	Anaplastic large cell lymphoma, ALK-negative, spleen	Diagnosis	ICD-10-CM
C84.78	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.79	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.9	Mature T/NK-cell lymphomas, unspecified	Diagnosis	ICD-10-CM
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	Diagnosis	ICD-10-CM
C84.91	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.92	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.93	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C84.94	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.95	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.96	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.97	Mature T/NK-cell lymphomas, unspecified, spleen	Diagnosis	ICD-10-CM
C84.98	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.99	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.A	Cutaneous T-cell lymphoma, unspecified	Diagnosis	ICD-10-CM
C84.A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C84.A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.A7	Cutaneous T-cell lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C84.A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.Z	Other mature T/NK-cell lymphomas	Diagnosis	ICD-10-CM
C84.Z0	Other mature T/NK-cell lymphomas, unspecified site	Diagnosis	ICD-10-CM
C84.Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.Z7	Other mature T/NK-cell lymphomas, spleen	Diagnosis	ICD-10-CM
C84.Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85	Other specified and unspecified types of non-Hodgkin lymphoma	Diagnosis	ICD-10-CM
C85.1	Unspecified B-cell lymphoma	Diagnosis	ICD-10-CM
C85.10	Unspecified B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.11	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.12	Unspecified B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.13	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.14	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.15	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.16	Unspecified B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.17	Unspecified B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C85.18	Unspecified B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.19	Unspecified B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85.2	Mediastinal (thymic) large B-cell lymphoma	Diagnosis	ICD-10-CM
C85.20	Mediastinal (thymic) large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.21	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.22	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C85.23	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.24	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.25	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.26	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.27	Mediastinal (thymic) large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C85.28	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.29	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85.8	Other specified types of non-Hodgkin lymphoma	Diagnosis	ICD-10-CM
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.81	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.82	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.83	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.84	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.85	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.86	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.87	Other specified types of non-Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C85.88	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.89	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85.9	Non-Hodgkin lymphoma, unspecified	Diagnosis	ICD-10-CM
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.97	Non-Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C86	Other specified types of T/NK-cell lymphoma	Diagnosis	ICD-10-CM
C86.0	Extranodal NK/T-cell lymphoma, nasal type	Diagnosis	ICD-10-CM
C86.1	Hepatosplenic T-cell lymphoma	Diagnosis	ICD-10-CM
C86.2	Enteropathy-type (intestinal) T-cell lymphoma	Diagnosis	ICD-10-CM
C86.3	Subcutaneous panniculitis-like T-cell lymphoma	Diagnosis	ICD-10-CM
C86.4	Blastic NK-cell lymphoma	Diagnosis	ICD-10-CM
C86.5	Angioimmunoblastic T-cell lymphoma	Diagnosis	ICD-10-CM
C86.6	Primary cutaneous CD30-positive T-cell proliferations	Diagnosis	ICD-10-CM
C88	Malignant immunoproliferative diseases and certain other B-cell lymphomas	Diagnosis	ICD-10-CM
C88.0	Waldenstrom macroglobulinemia	Diagnosis	ICD-10-CM
C88.2	Heavy chain disease	Diagnosis	ICD-10-CM
C88.3	Immunoproliferative small intestinal disease	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	Diagnosis	ICD-10-CM
C88.8	Other malignant immunoproliferative diseases	Diagnosis	ICD-10-CM
C88.9	Malignant immunoproliferative disease, unspecified	Diagnosis	ICD-10-CM
C90	Multiple myeloma and malignant plasma cell neoplasms	Diagnosis	ICD-10-CM
C90.0	Multiple myeloma	Diagnosis	ICD-10-CM
C90.00	Multiple myeloma not having achieved remission	Diagnosis	ICD-10-CM
C90.01	Multiple myeloma in remission	Diagnosis	ICD-10-CM
C90.02	Multiple myeloma in relapse	Diagnosis	ICD-10-CM
C90.1	Plasma cell leukemia	Diagnosis	ICD-10-CM
C90.10	Plasma cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C90.11	Plasma cell leukemia in remission	Diagnosis	ICD-10-CM
C90.12	Plasma cell leukemia in relapse	Diagnosis	ICD-10-CM
C90.2	Extramedullary plasmacytoma	Diagnosis	ICD-10-CM
C90.20	Extramedullary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C90.21	Extramedullary plasmacytoma in remission	Diagnosis	ICD-10-CM
C90.22	Extramedullary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C90.3	Solitary plasmacytoma	Diagnosis	ICD-10-CM
C90.30	Solitary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C90.31	Solitary plasmacytoma in remission	Diagnosis	ICD-10-CM
C90.32	Solitary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C91	Lymphoid leukemia	Diagnosis	ICD-10-CM
C91.0	Acute lymphoblastic leukemia [ALL]	Diagnosis	ICD-10-CM
C91.00	Acute lymphoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.01	Acute lymphoblastic leukemia, in remission	Diagnosis	ICD-10-CM
C91.02	Acute lymphoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C91.1	Chronic lymphocytic leukemia of B-cell type	Diagnosis	ICD-10-CM
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C91.11	Chronic lymphocytic leukemia of B-cell type in remission	Diagnosis	ICD-10-CM
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse	Diagnosis	ICD-10-CM
C91.3	Prolymphocytic leukemia of B-cell type	Diagnosis	ICD-10-CM
C91.30	Prolymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C91.31	Prolymphocytic leukemia of B-cell type, in remission	Diagnosis	ICD-10-CM
C91.32	Prolymphocytic leukemia of B-cell type, in relapse	Diagnosis	ICD-10-CM
C91.4	Hairy cell leukemia	Diagnosis	ICD-10-CM
C91.40	Hairy cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.41	Hairy cell leukemia, in remission	Diagnosis	ICD-10-CM
C91.42	Hairy cell leukemia, in relapse	Diagnosis	ICD-10-CM
C91.5	Adult T-cell lymphoma/leukemia (HTLV-1-associated)	Diagnosis	ICD-10-CM
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	Diagnosis	ICD-10-CM
C91.51	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission	Diagnosis	ICD-10-CM
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	Diagnosis	ICD-10-CM
C91.6	Prolymphocytic leukemia of T-cell type	Diagnosis	ICD-10-CM
C91.60	Prolymphocytic leukemia of T-cell type not having achieved remission	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C91.61	Prolymphocytic leukemia of T-cell type, in remission	Diagnosis	ICD-10-CM
C91.62	Prolymphocytic leukemia of T-cell type, in relapse	Diagnosis	ICD-10-CM
C91.9	Lymphoid leukemia, unspecified	Diagnosis	ICD-10-CM
C91.90	Lymphoid leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C91.91	Lymphoid leukemia, unspecified, in remission	Diagnosis	ICD-10-CM
C91.92	Lymphoid leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C91.A	Mature B-cell leukemia Burkitt-type	Diagnosis	ICD-10-CM
C91.A0	Mature B-cell leukemia Burkitt-type not having achieved remission	Diagnosis	ICD-10-CM
C91.A1	Mature B-cell leukemia Burkitt-type, in remission	Diagnosis	ICD-10-CM
C91.A2	Mature B-cell leukemia Burkitt-type, in relapse	Diagnosis	ICD-10-CM
C91.Z	Other lymphoid leukemia	Diagnosis	ICD-10-CM
C91.Z0	Other lymphoid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.Z1	Other lymphoid leukemia, in remission	Diagnosis	ICD-10-CM
C91.Z2	Other lymphoid leukemia, in relapse	Diagnosis	ICD-10-CM
C92	Myeloid leukemia	Diagnosis	ICD-10-CM
C92.0	Acute myeloblastic leukemia	Diagnosis	ICD-10-CM
C92.00	Acute myeloblastic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.01	Acute myeloblastic leukemia, in remission	Diagnosis	ICD-10-CM
C92.02	Acute myeloblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.1	Chronic myeloid leukemia, BCR/ABL-positive	Diagnosis	ICD-10-CM
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	Diagnosis	ICD-10-CM
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	Diagnosis	ICD-10-CM
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	Diagnosis	ICD-10-CM
C92.2	Atypical chronic myeloid leukemia, BCR/ABL-negative	Diagnosis	ICD-10-CM
C92.20	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	Diagnosis	ICD-10-CM
C92.21	Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission	Diagnosis	ICD-10-CM
C92.22	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	Diagnosis	ICD-10-CM
C92.3	Myeloid sarcoma	Diagnosis	ICD-10-CM
C92.30	Myeloid sarcoma, not having achieved remission	Diagnosis	ICD-10-CM
C92.31	Myeloid sarcoma, in remission	Diagnosis	ICD-10-CM
C92.32	Myeloid sarcoma, in relapse	Diagnosis	ICD-10-CM
C92.4	Acute promyelocytic leukemia	Diagnosis	ICD-10-CM
C92.40	Acute promyelocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.41	Acute promyelocytic leukemia, in remission	Diagnosis	ICD-10-CM
C92.42	Acute promyelocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.5	Acute myelomonocytic leukemia	Diagnosis	ICD-10-CM
C92.50	Acute myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.51	Acute myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C92.52	Acute myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.6	Acute myeloid leukemia with 11q23-abnormality	Diagnosis	ICD-10-CM
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	Diagnosis	ICD-10-CM
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission	Diagnosis	ICD-10-CM
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse	Diagnosis	ICD-10-CM
C92.9	Myeloid leukemia, unspecified	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C92.90	Myeloid leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C92.91	Myeloid leukemia, unspecified in remission	Diagnosis	ICD-10-CM
C92.92	Myeloid leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C92.A	Acute myeloid leukemia with multilineage dysplasia	Diagnosis	ICD-10-CM
C92.A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	Diagnosis	ICD-10-CM
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission	Diagnosis	ICD-10-CM
C92.A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	Diagnosis	ICD-10-CM
C92.Z	Other myeloid leukemia	Diagnosis	ICD-10-CM
C92.Z0	Other myeloid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C92.Z1	Other myeloid leukemia, in remission	Diagnosis	ICD-10-CM
C92.Z2	Other myeloid leukemia, in relapse	Diagnosis	ICD-10-CM
C93	Monocytic leukemia	Diagnosis	ICD-10-CM
C93.0	Acute monoblastic/monocytic leukemia	Diagnosis	ICD-10-CM
C93.00	Acute monoblastic/monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.01	Acute monoblastic/monocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.02	Acute monoblastic/monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.1	Chronic myelomonocytic leukemia	Diagnosis	ICD-10-CM
C93.10	Chronic myelomonocytic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C93.11	Chronic myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.12	Chronic myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.3	Juvenile myelomonocytic leukemia	Diagnosis	ICD-10-CM
C93.30	Juvenile myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.31	Juvenile myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.32	Juvenile myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.9	Monocytic leukemia, unspecified	Diagnosis	ICD-10-CM
C93.90	Monocytic leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C93.91	Monocytic leukemia, unspecified in remission	Diagnosis	ICD-10-CM
C93.92	Monocytic leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C93.Z	Other monocytic leukemia	Diagnosis	ICD-10-CM
C93.Z0	Other monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.Z1	Other monocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.Z2	Other monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C94	Other leukemias of specified cell type	Diagnosis	ICD-10-CM
C94.0	Acute erythroid leukemia	Diagnosis	ICD-10-CM
C94.00	Acute erythroid leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C94.01	Acute erythroid leukemia, in remission	Diagnosis	ICD-10-CM
C94.02	Acute erythroid leukemia, in relapse	Diagnosis	ICD-10-CM
C94.2	Acute megakaryoblastic leukemia	Diagnosis	ICD-10-CM
C94.20	Acute megakaryoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C94.21	Acute megakaryoblastic leukemia, in remission	Diagnosis	ICD-10-CM
C94.22	Acute megakaryoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C94.3	Mast cell leukemia	Diagnosis	ICD-10-CM
C94.30	Mast cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C94.31	Mast cell leukemia, in remission	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
C94.32	Mast cell leukemia, in relapse	Diagnosis	ICD-10-CM
C94.4	Acute panmyelosis with myelofibrosis	Diagnosis	ICD-10-CM
C94.40	Acute panmyelosis with myelofibrosis not having achieved remission	Diagnosis	ICD-10-CM
C94.41	Acute panmyelosis with myelofibrosis, in remission	Diagnosis	ICD-10-CM
C94.42	Acute panmyelosis with myelofibrosis, in relapse	Diagnosis	ICD-10-CM
C94.6	Myelodysplastic disease, not classified	Diagnosis	ICD-10-CM
C94.8	Other specified leukemias	Diagnosis	ICD-10-CM
C94.80	Other specified leukemias not having achieved remission	Diagnosis	ICD-10-CM
C94.81	Other specified leukemias, in remission	Diagnosis	ICD-10-CM
C94.82	Other specified leukemias, in relapse	Diagnosis	ICD-10-CM
C95	Leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.0	Acute leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.00	Acute leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C95.01	Acute leukemia of unspecified cell type, in remission	Diagnosis	ICD-10-CM
C95.02	Acute leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C95.1	Chronic leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.10	Chronic leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C95.11	Chronic leukemia of unspecified cell type, in remission	Diagnosis	ICD-10-CM
C95.12	Chronic leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C95.9	Leukemia, unspecified	Diagnosis	ICD-10-CM
C95.90	Leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C95.91	Leukemia, unspecified, in remission	Diagnosis	ICD-10-CM
C95.92	Leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C96	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
C96.0	Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.2	Malignant mast cell neoplasm	Diagnosis	ICD-10-CM
C96.20	Malignant mast cell neoplasm, unspecified	Diagnosis	ICD-10-CM
C96.21	Aggressive systemic mastocytosis	Diagnosis	ICD-10-CM
C96.22	Mast cell sarcoma	Diagnosis	ICD-10-CM
C96.29	Other malignant mast cell neoplasm	Diagnosis	ICD-10-CM
C96.4	Sarcoma of dendritic cells (accessory cells)	Diagnosis	ICD-10-CM
C96.5	Multifocal and unisystemic Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.6	Unifocal Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM
C96.A	Histiocytic sarcoma	Diagnosis	ICD-10-CM
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
C97	Malignant neoplasms of independent (primary) multiple sites	Diagnosis	ICD-10-CM
D03.0	Melanoma in situ of lip	Diagnosis	ICD-10-CM
D03.10	Melanoma in situ of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
D03.11	Melanoma in situ of right eyelid, including canthus	Diagnosis	ICD-10-CM
D03.12	Melanoma in situ of left eyelid, including canthus	Diagnosis	ICD-10-CM
D03.20	Melanoma in situ of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
D03.21	Melanoma in situ of right ear and external auricular canal	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
D03.22	Melanoma in situ of left ear and external auricular canal	Diagnosis	ICD-10-CM
D03.30	Melanoma in situ of unspecified part of face	Diagnosis	ICD-10-CM
D03.39	Melanoma in situ of other parts of face	Diagnosis	ICD-10-CM
D03.4	Melanoma in situ of scalp and neck	Diagnosis	ICD-10-CM
D03.51	Melanoma in situ of anal skin	Diagnosis	ICD-10-CM
D03.52	Melanoma in situ of breast (skin) (soft tissue)	Diagnosis	ICD-10-CM
D03.59	Melanoma in situ of other part of trunk	Diagnosis	ICD-10-CM
D03.60	Melanoma in situ of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
D03.61	Melanoma in situ of right upper limb, including shoulder	Diagnosis	ICD-10-CM
D03.62	Melanoma in situ of left upper limb, including shoulder	Diagnosis	ICD-10-CM
D03.70	Melanoma in situ of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
D03.71	Melanoma in situ of right lower limb, including hip	Diagnosis	ICD-10-CM
D03.72	Melanoma in situ of left lower limb, including hip	Diagnosis	ICD-10-CM
D03.8	Melanoma in situ of other sites	Diagnosis	ICD-10-CM
D03.9	Melanoma in situ, unspecified	Diagnosis	ICD-10-CM
D45	Polycythemia vera	Diagnosis	ICD-10-CM
O9A.1	Malignant neoplasm complicating pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O9A.11	Malignant neoplasm complicating pregnancy	Diagnosis	ICD-10-CM
O9A.111	Malignant neoplasm complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O9A.112	Malignant neoplasm complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O9A.113	Malignant neoplasm complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O9A.119	Malignant neoplasm complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O9A.12	Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM
O9A.13	Malignant neoplasm complicating the puerperium	Diagnosis	ICD-10-CM
R97.21	Rising PSA following treatment for malignant neoplasm of prostate	Diagnosis	ICD-10-CM
Hypertension			
H35.031	Hypertensive retinopathy, right eye	Diagnosis	ICD-10-CM
H35.032	Hypertensive retinopathy, left eye	Diagnosis	ICD-10-CM
H35.033	Hypertensive retinopathy, bilateral	Diagnosis	ICD-10-CM
H35.039	Hypertensive retinopathy, unspecified eye	Diagnosis	ICD-10-CM
I10	Essential (primary) hypertension	Diagnosis	ICD-10-CM
I11.0	Hypertensive heart disease with heart failure	Diagnosis	ICD-10-CM
I11.9	Hypertensive heart disease without heart failure	Diagnosis	ICD-10-CM
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	Diagnosis	ICD-10-CM
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
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	Diagnosis	ICD-10-CM
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	Diagnosis	ICD-10-CM
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I15.0	Renovascular hypertension	Diagnosis	ICD-10-CM
I15.1	Hypertension secondary to other renal disorders	Diagnosis	ICD-10-CM
I15.2	Hypertension secondary to endocrine disorders	Diagnosis	ICD-10-CM
I15.8	Other secondary hypertension	Diagnosis	ICD-10-CM
I15.9	Secondary hypertension, unspecified	Diagnosis	ICD-10-CM
I67.4	Hypertensive encephalopathy	Diagnosis	ICD-10-CM
N26.2	Page kidney	Diagnosis	ICD-10-CM
Chronic Kidney Disease			
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	Diagnosis	ICD-10-CM
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	Diagnosis	ICD-10-CM
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E13.21	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	Diagnosis	ICD-10-CM
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	Diagnosis	ICD-10-CM
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	Diagnosis	ICD-10-CM
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	Diagnosis	ICD-10-CM
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	Diagnosis	ICD-10-CM
N02.0	Recurrent and persistent hematuria with minor glomerular abnormality	Diagnosis	ICD-10-CM
N02.1	Recurrent and persistent hematuria with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N02.2	Recurrent and persistent hematuria with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N02.3	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N02.4	Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N02.5	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N02.6	Recurrent and persistent hematuria with dense deposit disease	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
N02.7	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N02.8	Recurrent and persistent hematuria with other morphologic changes	Diagnosis	ICD-10-CM
N02.9	Recurrent and persistent hematuria with unspecified morphologic changes	Diagnosis	ICD-10-CM
N03.0	Chronic nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N03.1	Chronic nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N03.2	Chronic nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N03.3	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N03.4	Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N03.5	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N03.6	Chronic nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N03.7	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N03.8	Chronic nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N03.9	Chronic nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N04.0	Nephrotic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N04.1	Nephrotic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N04.2	Nephrotic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N04.3	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N04.4	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N04.5	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N04.6	Nephrotic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N04.7	Nephrotic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N04.8	Nephrotic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N04.9	Nephrotic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N05.0	Unspecified nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N05.1	Unspecified nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N05.2	Unspecified nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N05.3	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N05.4	Unspecified nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N05.5	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N05.6	Unspecified nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N05.7	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N05.8	Unspecified nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N05.9	Unspecified nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N06.0	Isolated proteinuria with minor glomerular abnormality	Diagnosis	ICD-10-CM
N06.1	Isolated proteinuria with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N06.2	Isolated proteinuria with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N06.3	Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N06.4	Isolated proteinuria with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N06.5	Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N06.6	Isolated proteinuria with dense deposit disease	Diagnosis	ICD-10-CM
N06.7	Isolated proteinuria with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N06.8	Isolated proteinuria with other morphologic lesion	Diagnosis	ICD-10-CM
N06.9	Isolated proteinuria with unspecified morphologic lesion	Diagnosis	ICD-10-CM
N07.0	Hereditary nephropathy, not elsewhere classified with minor glomerular abnormality	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics In this Request

Code	Description	Code	
		Category	Code Type
N07.1	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N07.2	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N07.3	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N07.4	Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N07.5	Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N07.6	Hereditary nephropathy, not elsewhere classified with dense deposit disease	Diagnosis	ICD-10-CM
N07.7	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N07.8	Hereditary nephropathy, not elsewhere classified with other morphologic lesions	Diagnosis	ICD-10-CM
N07.9	Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions	Diagnosis	ICD-10-CM
N08	Glomerular disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N14.0	Analgesic nephropathy	Diagnosis	ICD-10-CM
N14.1	Nephropathy induced by other drugs, medicaments and biological substances	Diagnosis	ICD-10-CM
N14.2	Nephropathy induced by unspecified drug, medicament or biological substance	Diagnosis	ICD-10-CM
N14.3	Nephropathy induced by heavy metals	Diagnosis	ICD-10-CM
N14.4	Toxic nephropathy, not elsewhere classified	Diagnosis	ICD-10-CM
N15.0	Balkan nephropathy	Diagnosis	ICD-10-CM
N15.8	Other specified renal tubulo-interstitial diseases	Diagnosis	ICD-10-CM
N15.9	Renal tubulo-interstitial disease, unspecified	Diagnosis	ICD-10-CM
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	Diagnosis	ICD-10-CM
N18.1	Chronic kidney disease, stage 1	Diagnosis	ICD-10-CM
N18.2	Chronic kidney disease, stage 2 (mild)	Diagnosis	ICD-10-CM
N18.3	Chronic kidney disease, stage 3 (moderate)	Diagnosis	ICD-10-CM
N18.4	Chronic kidney disease, stage 4 (severe)	Diagnosis	ICD-10-CM
N18.5	Chronic kidney disease, stage 5	Diagnosis	ICD-10-CM
N18.6	End stage renal disease	Diagnosis	ICD-10-CM
N18.9	Chronic kidney disease, unspecified	Diagnosis	ICD-10-CM
N19	Unspecified kidney failure	Diagnosis	ICD-10-CM
N25.0	Renal osteodystrophy	Diagnosis	ICD-10-CM
N25.1	Nephrogenic diabetes insipidus	Diagnosis	ICD-10-CM
N25.81	Secondary hyperparathyroidism of renal origin	Diagnosis	ICD-10-CM
N25.89	Other disorders resulting from impaired renal tubular function	Diagnosis	ICD-10-CM
N25.9	Disorder resulting from impaired renal tubular function, unspecified	Diagnosis	ICD-10-CM
N26.1	Atrophy of kidney (terminal)	Diagnosis	ICD-10-CM
N26.9	Renal sclerosis, unspecified	Diagnosis	ICD-10-CM
Acute Kidney Injury (failure)			
N17.0	Acute kidney failure with tubular necrosis	Diagnosis	ICD-10-CM
N17.1	Acute kidney failure with acute cortical necrosis	Diagnosis	ICD-10-CM
N17.2	Acute kidney failure with medullary necrosis	Diagnosis	ICD-10-CM
N17.8	Other acute kidney failure	Diagnosis	ICD-10-CM
N17.9	Acute kidney failure, unspecified	Diagnosis	ICD-10-CM

Appendix D. Specifications Defining Parameters in this Request

In this report we counted and described individuals in the Sentinel Distributed Database (SDD) with various glomerular diseases. The glomerular diseases we examined were Focal Segmental Glomerulosclerosis, IgA Nephropathy, Membranous Nephropathy, Minimal Change Disease, Membranoproliferative Glomerulonephritis, Crescentic/Necrotizing Glomerulonephritis, Lupus Nephritis, Diabetic Nephropathy, and Nephrotic Syndrome.

Query Period: April 1, 2016 - December 31, 2019
Coverage Requirement: Medical
Pre-Index Enrollment Requirement: 183 Days
Post-Index Enrollment Requirement: None
Enrollment Gap: 45 days
Age Groups: 0-19, 20-29, 30-39, 40-49, 50-59, 60-69, 70+ years
Stratifications: Age group; Sex; Calendar year; and cross-stratifications for age group and sex; for age group and calendar year; for age group, sex and calendar year
Restrictions: None
Distribution of Index-Defining Codes: Not required
Envelope Macro: No reclassification on inpatient admission date

Exposure/Event

Scenario	Index Event	Cohort Definition	Washout (days)	Care Setting	Principal Diagnosis Position	Censor Enrollment at Evidence of:
1	Focal Segmental Glomerulosclerosis (FSGS) - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
2	IgA Nephropathy - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
3	Membranous Nephropathy - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date

Appendix D. Specifications Defining Parameters in this Request

Scenario	Exposure/Event					
	Index Event	Cohort Definition	Washout (days)	Care Setting	Principal Diagnosis Position	Censor Enrollment at Evidence of:
4	Minimal Change Disease - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
5	Membranoproliferative Glomerulonephritis - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
6	Crescentic/Necrotizing Glomerulonephritis - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
7	Lupus Nephritis - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
8	Diabetic Nephropathy - Definition B	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
9	Nephrotic Syndrome - Definition A	01 : Include only the first valid index date during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
10	Focal Segmental Glomerulosclerosis (FSGS) - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date

Appendix D. Specifications Defining Parameters in this Request

Scenario	Index Event	Cohort Definition	Exposure/Event			
			Washout (days)	Care Setting	Principal Diagnosis Position	Censor Enrollment at Evidence of:
11	IgA Nephropathy - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
12	Membranous Nephropathy - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
13	Minimal Change Disease - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
14	Membranoproliferative Glomerulonephritis - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
15	Crescentic/Necrotizing Glomerulonephritis - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
16	Lupus Nephritis - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
17	Diabetic Nephropathy - Definition B	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date
18	Nephrotic Syndrome - Definition A	02 : Include the all valid index dates during query period	0	Inpatient (IP), Institutional Stay (IS), Ambulatory Visit (AV), Other Ambulatory Visit (OA)	Any	Death; Data Partner End Date; Query End Date

International Classification of Diseases, Tenth Revision (ICD-10) codes are provided by Optum360.

Appendix E. Specifications Defining Parameters for Baseline Characteristics in this Request

Covariate	Care setting	Principal diagnosis position	Evaluation period start (Days)	Evaluation period end (Days)	Number of instances the covariate should be found in evaluation period
Comorbidity					
Diabetes	Any care setting	Any	-183	0	1
Systemic lupus erythematosus	Any care setting	Any	-183	0	1
Cancer	Any care setting	Any	-183	0	1
Hypertension	Any care setting	Any	-183	0	1
Chronic kidney disease	Any care setting	Any	-183	0	1
Acute kidney injury (failure)	Any care setting	Any	-183	0	1
Combined Comorbidity Score	N/A	N/A	-183	0	N/A
Utilization					
Mean number of ambulatory encounters (AV)	N/A	N/A	-183	0	N/A
Mean number of emergency room encounters (ED)	N/A	N/A	-183	0	N/A
Mean number of inpatient hospital encounters (IP)	N/A	N/A	-183	0	N/A
Mean number of non-acute institutional encounters (IS)	N/A	N/A	-183	0	N/A
Mean number of other ambulatory encounters (OA)	N/A	N/A	-183	0	N/A

Appendix F. Diagram Detailing the Design of the Request

