



Disclaimer

The following report 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, post market studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

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

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

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Overview for Request cder_mpl1r_wp117

Request ID: cder_mpl1r_wp117_nsdv_v01

Request Description: In this report we described baseline characteristics and the duration of follow-up time among new users of 39 new molecular entities (NMEs) approved in 2014 by the U.S. Food and Drug Administration (FDA) in the Sentinel Distributed Database (SDD).

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 7.3.3.

Data Source: We distributed this request to 17 Data Partners on May 10, 2019. The study period included data from January 1, 2014 to August 31, 2018. Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: We designed this request to characterize new users of NMEs approved in 2014 and calculate the duration of follow-up time among new users of each drug. Data were further stratified by age, sex, and calendar year. Graphs presenting trends for utilization of new users of NME drugs by monthly intervals are included in this report.

Exposures of Interest: The exposures of interest were NMEs approved in 2014 administered or dispensed in any care setting. We defined these exposures using Healthcare Common Procedure Coding System (HCPCS) procedure codes and National Drug Codes (NDCs). See Appendix B for a list of HCPCS codes and Appendix C for a list of generic and brand drug names used to define exposures in this request.

Cohort Eligibility Criteria: We required members included in the cohort to be continuously enrolled in health plans with both medical and drug coverage for at least 365 days prior to their first qualifying (index) exposure, during which gaps in coverage of up to 45 days were allowed. We included the following age groups in the cohorts: 0-18, 19-64, and 65+ years.

Baseline Characteristics: We reported each member's age at time of exposure and year of exposure on the index date of each NME exposure episode. We additionally included the sex of each exposed member included in the cohorts.

We assessed the recorded history of 31 characteristics among each NME cohort in the year prior to drug initiation. We defined 24 of these characteristics using Centers for Medicare and Medicaid Services' (CMS) Chronic Conditions Data Warehouse¹ (CCW) algorithms. These included: acute myocardial infarction, Alzheimer's disease and related conditions, heart failure, depression, ischemic heart disease, rheumatoid arthritis/osteoarthritis, anemia, glaucoma, atrial fibrillation, diabetes, hyperlipidemia, hypertension, stroke/transient ischemic attack, breast cancer, colorectal cancer, prostate cancer, lung cancer, endometrial cancer, acquired hypothyroidism, asthma, benign prostatic hyperplasia, chronic kidney disease, chronic obstructive pulmonary disease and bronchiectasis, and osteoporosis. We additionally assessed the following characteristics during the baseline period: obesity, overweight, smoking, alcohol abuse or dependence, drug abuse or dependence, history of cardiac arrest, and history of coronary angioplasty or bypass.

Please refer to Appendix D for the algorithms used to define characteristics in this request. International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis and procedure codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes, International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS) procedure codes, HCPCS procedure codes, Current Procedural Terminology, Fourth Edition (CPT-4) procedure codes, and NDCs were used to define characteristics. See Appendix E for diagnosis and procedure codes used to define characteristics in this request. See Appendix F for a list of generic drug names used to define characteristics in this request.

Follow-Up Time: Follow-up began on the day of the first valid NME administration or dispensing and continued until the first occurrence of any of the following: 1) disenrollment; 2) death; 3) the end of the data provided by each Data Partner; or 4) the end of the query period. Follow-up was stratified by the following intervals of time: <1, 1-2, 3-4, and 5+ years.

Please see Appendix G for the specifications of parameters used in the analyses for this request.

Limitations: Algorithms used to define exposures and characteristics are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitations in mind.

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

¹ Centers for Medicare and Medicaid Services. (2018). "Chronic Conditions Data Warehouse." Available at: <https://www.ccwdata.org/web/guest/condition-categories>

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

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).

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 listed above may not be used in this report

Table 1a. Baseline Characteristics for New Users of Albiglutide in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	25,988	100%
Number of unique patients	25,988	100%
Demographics¹	Mean	Standard Deviation
Mean Age	58.5	10.4
Age (years)	Number	Percent
0-18	16	0.1%
19-64	17,984	69.2%
65+	7,988	30.7%
Sex		
Female	13,658	52.6%
Male	12,330	47.4%
Other	0	0.0%
Year		
2014	1,449	5.6%
2015	11,115	42.8%
2016	10,505	40.4%
2017	2,737	10.5%
2018	182	0.7%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	4,572	17.6%
Acute myocardial infarction	198	0.8%
Alcohol abuse or dependence	221	0.9%
Alzheimer's disease and related conditions	600	2.3%
Anemia	5,214	20.1%
Asthma	1,857	7.1%
Atrial fibrillation	1,361	5.2%
Benign prostatic hyperplasia	1,238	4.8%
Breast cancer	417	1.6%
Chronic kidney disease	9,475	36.5%
Chronic obstructive pulmonary disease and bronchiectasis	2,256	8.7%
Colorectal cancer	134	0.5%
Depression	5,369	20.7%
Diabetes	24,417	94.0%
Drug abuse or dependence	164	0.6%
Endometrial cancer	55	0.2%
Glaucoma	2,848	11.0%
Heart failure	2,591	10.0%
History of cardiac arrest	13	0.1%
History of coronary angioplasty or bypass	1,776	6.8%
Hyperlipidemia	18,624	71.7%
Hypertension	19,568	75.3%
Ischemic heart disease	5,950	22.9%
Lung cancer	64	0.2%
Obesity	11,765	45.3%
Osteoporosis	572	2.2%

Table 1a. Baseline Characteristics for New Users of Albiglutide in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,541	5.9%
Prostate cancer	329	1.3%
Rheumatoid arthritis/osteoarthritis	5,009	19.3%
Smoking	4,414	17.0%
Stroke/transient ischemic attack	800	3.1%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1b. Baseline Characteristics for New Users of Apremilast in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	33,548	100%
Number of unique patients	33,548	100%
Demographics¹	Mean	Standard Deviation
Mean Age	55.7	12.9
Age (years)	Number	Percent
0-18	150	0.4%
19-64	23,660	70.5%
65+	9,738	29.0%
Sex		
Female	19,129	57.0%
Male	14,419	43.0%
Other	0	0.0%
Year		
2014	2,907	8.7%
2015	8,840	26.4%
2016	10,065	30.0%
2017	9,061	27.0%
2018	2,675	8.0%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	4,498	13.4%
Acute myocardial infarction	164	0.5%
Alcohol abuse or dependence	734	2.2%
Alzheimer's disease and related conditions	539	1.6%
Anemia	5,857	17.5%
Asthma	2,609	7.8%
Atrial fibrillation	1,402	4.2%
Benign prostatic hyperplasia	1,174	3.5%
Breast cancer	810	2.4%
Chronic kidney disease	3,924	11.7%
Chronic obstructive pulmonary disease and bronchiectasis	3,216	9.6%
Colorectal cancer	179	0.5%
Depression	6,941	20.7%
Diabetes	7,812	23.3%
Drug abuse or dependence	422	1.3%
Endometrial cancer	77	0.2%
Glaucoma	2,562	7.6%
Heart failure	2,103	6.3%
History of cardiac arrest	25	0.1%
History of coronary angioplasty or bypass	1,318	3.9%
Hyperlipidemia	11,767	35.1%
Hypertension	14,540	43.3%
Ischemic heart disease	4,619	13.8%
Lung cancer	182	0.5%
Obesity	8,502	25.3%
Osteoporosis	1,404	4.2%

Table 1b. Baseline Characteristics for New Users of Apremilast in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	2,083	6.2%
Prostate cancer	432	1.3%
Rheumatoid arthritis/osteoarthritis	9,496	28.3%
Smoking	6,710	20.0%
Stroke/transient ischemic attack	554	1.7%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1c. Baseline Characteristics for New Users of Belinostat in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	123	100%
Number of unique patients	123	100%
Demographics¹	Mean	Standard Deviation
Mean Age	70.1	11.7
Age (years)	Number	Percent
0-18	0	0.0%
19-64	27	22.0%
65+	96	78.0%
Sex		
Female	62	50.4%
Male	61	49.6%
Other	0	0.0%
Year		
2014	0	0.0%
2015	*****	*****
2016	54	43.9%
2017	41	33.3%
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	32	26.0%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	*****	*****
Anemia	79	64.2%
Asthma	*****	*****
Atrial fibrillation	26	21.1%
Benign prostatic hyperplasia	16	13.0%
Breast cancer	12	9.8%
Chronic kidney disease	49	39.8%
Chronic obstructive pulmonary disease and bronchiectasis	24	19.5%
Colorectal cancer	*****	*****
Depression	25	20.3%
Diabetes	36	29.3%
Drug abuse or dependence	*****	*****
Endometrial cancer	*****	*****
Glaucoma	21	17.1%
Heart failure	30	24.4%
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	*****	*****
Hyperlipidemia	67	54.5%
Hypertension	86	69.9%
Ischemic heart disease	29	23.6%
Lung cancer	*****	*****
Obesity	24	19.5%
Osteoporosis	12	9.8%

Table 1c. Baseline Characteristics for New Users of Belinostat in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	18	14.6%
Smoking	39	31.7%
Stroke/transient ischemic attack	13	10.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1d. Baseline Characteristics for New Users of Blinatumomab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	194	100%
Number of unique patients	194	100%
Demographics¹	Mean	Standard Deviation
Mean Age	52.1	17.5
Age (years)	Number	Percent
0-18	12	6.2%
19-64	120	61.9%
65+	62	32.0%
Sex		
Female	86	44.3%
Male	108	55.7%
Other	0	0.0%
Year		
2014	0	0.0%
2015	27	13.9%
2016	58	29.9%
2017	83	42.8%
2018	26	13.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	23	11.9%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	*****	*****
Anemia	177	91.2%
Asthma	21	10.8%
Atrial fibrillation	18	9.3%
Benign prostatic hyperplasia	14	7.2%
Breast cancer	*****	*****
Chronic kidney disease	83	42.8%
Chronic obstructive pulmonary disease and bronchiectasis	19	9.8%
Colorectal cancer	*****	*****
Depression	62	32.0%
Diabetes	57	29.4%
Drug abuse or dependence	*****	*****
Endometrial cancer	*****	*****
Glaucoma	16	8.2%
Heart failure	32	16.5%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	17	8.8%
Hyperlipidemia	85	43.8%
Hypertension	119	61.3%
Ischemic heart disease	45	23.2%
Lung cancer	0	0.0%
Obesity	49	25.3%
Osteoporosis	12	6.2%

Table 1d. Baseline Characteristics for New Users of Blinatumomab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	19	9.8%
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	35	18.0%
Smoking	67	34.5%
Stroke/transient ischemic attack	19	9.8%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1e. Baseline Characteristics for New Users of Ceftolozane/Tazobactam in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	885	100%
Number of unique patients	885	100%
Demographics¹	Mean	Standard Deviation
Mean Age	60.7	17.2
Age (years)	Number	Percent
0-18	*****	*****
19-64	439	49.6%
65+	*****	*****
Sex		
Female	428	48.4%
Male	457	51.6%
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	328	37.1%
2017	327	36.9%
2018	125	14.1%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	199	22.5%
Acute myocardial infarction	40	4.5%
Alcohol abuse or dependence	40	4.5%
Alzheimer's disease and related conditions	162	18.3%
Anemia	613	69.3%
Asthma	171	19.3%
Atrial fibrillation	188	21.2%
Benign prostatic hyperplasia	110	12.4%
Breast cancer	26	2.9%
Chronic kidney disease	557	62.9%
Chronic obstructive pulmonary disease and bronchiectasis	417	47.1%
Colorectal cancer	15	1.7%
Depression	384	43.4%
Diabetes	448	50.6%
Drug abuse or dependence	52	5.9%
Endometrial cancer	*****	*****
Glaucoma	62	7.0%
Heart failure	346	39.1%
History of cardiac arrest	22	2.5%
History of coronary angioplasty or bypass	108	12.2%
Hyperlipidemia	434	49.0%
Hypertension	662	74.8%
Ischemic heart disease	341	38.5%
Lung cancer	17	1.9%
Obesity	278	31.4%
Osteoporosis	97	11.0%

Table 1e. Baseline Characteristics for New Users of Ceftolozane/Tazobactam in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	112	12.7%
Prostate cancer	36	4.1%
Rheumatoid arthritis/osteoarthritis	254	28.7%
Smoking	379	42.8%
Stroke/transient ischemic attack	129	14.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1f. Baseline Characteristics for New Users of Ceritinib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	629	100%
Number of unique patients	629	100%
Demographics¹	Mean	Standard Deviation
Mean Age	66.2	11.3
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	391	62.2%
Sex		
Female	342	54.4%
Male	287	45.6%
Other	0	0.0%
Year		
2014	235	37.4%
2015	176	28.0%
2016	113	18.0%
2017	90	14.3%
2018	15	2.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	91	14.5%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	18	2.9%
Anemia	285	45.3%
Asthma	58	9.2%
Atrial fibrillation	82	13.0%
Benign prostatic hyperplasia	45	7.2%
Breast cancer	40	6.4%
Chronic kidney disease	135	21.5%
Chronic obstructive pulmonary disease and bronchiectasis	138	21.9%
Colorectal cancer	13	2.1%
Depression	126	20.0%
Diabetes	128	20.3%
Drug abuse or dependence	*****	*****
Endometrial cancer	*****	*****
Glaucoma	51	8.1%
Heart failure	97	15.4%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	46	7.3%
Hyperlipidemia	261	41.5%
Hypertension	339	53.9%
Ischemic heart disease	156	24.8%
Lung cancer	615	97.8%
Obesity	75	11.9%
Osteoporosis	46	7.3%

Table 1f. Baseline Characteristics for New Users of Ceritinib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	35	5.6%
Prostate cancer	23	3.7%
Rheumatoid arthritis/osteoarthritis	115	18.3%
Smoking	207	32.9%
Stroke/transient ischemic attack	37	5.9%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1g. Baseline Characteristics for New Users of Dalbavancin HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	7,387	100%
Number of unique patients	7,387	100%
Demographics¹	Mean	Standard Deviation
Mean Age	67.0	14.1
Age (years)	Number	Percent
0-18	12	0.2%
19-64	2,765	37.4%
65+	4,610	62.4%
Sex		
Female	3,710	50.2%
Male	3,677	49.8%
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	2,537	34.3%
2017	3,466	46.9%
2018	795	10.8%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	1,686	22.8%
Acute myocardial infarction	186	2.5%
Alcohol abuse or dependence	319	4.3%
Alzheimer's disease and related conditions	709	9.6%
Anemia	3,362	45.5%
Asthma	950	12.9%
Atrial fibrillation	1,525	20.6%
Benign prostatic hyperplasia	743	10.1%
Breast cancer	367	5.0%
Chronic kidney disease	3,352	45.4%
Chronic obstructive pulmonary disease and bronchiectasis	1,918	26.0%
Colorectal cancer	130	1.8%
Depression	2,411	32.6%
Diabetes	3,608	48.8%
Drug abuse or dependence	421	5.7%
Endometrial cancer	49	0.7%
Glaucoma	821	11.1%
Heart failure	2,086	28.2%
History of cardiac arrest	26	0.4%
History of coronary angioplasty or bypass	1,206	16.3%
Hyperlipidemia	4,307	58.3%
Hypertension	5,895	79.8%
Ischemic heart disease	2,895	39.2%
Lung cancer	102	1.4%
Obesity	3,091	41.8%
Osteoporosis	600	8.1%

Table 1g. Baseline Characteristics for New Users of Dalbavancin HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	748	10.1%
Prostate cancer	236	3.2%
Rheumatoid arthritis/osteoarthritis	3,216	43.5%
Smoking	3,061	41.4%
Stroke/transient ischemic attack	486	6.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1h. Baseline Characteristics for New Users of Dapagliflozin Propanediol in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	118,886	100%
Number of unique patients	118,886	100%
Demographics¹	Mean	Standard Deviation
Mean Age	60.9	10.3
Age (years)	Number	Percent
0-18	37	0.0%
19-64	70,108	59.0%
65+	48,741	41.0%
Sex		
Female	*****	*****
Male	61,421	51.7%
Other	*****	*****
Year		
2014	21,286	17.9%
2015	23,653	19.9%
2016	24,503	20.6%
2017	33,689	28.3%
2018	15,755	13.3%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	18,344	15.4%
Acute myocardial infarction	809	0.7%
Alcohol abuse or dependence	1,465	1.2%
Alzheimer's disease and related conditions	2,492	2.1%
Anemia	21,385	18.0%
Asthma	7,328	6.2%
Atrial fibrillation	5,767	4.9%
Benign prostatic hyperplasia	6,202	5.2%
Breast cancer	2,199	1.8%
Chronic kidney disease	37,518	31.6%
Chronic obstructive pulmonary disease and bronchiectasis	10,309	8.7%
Colorectal cancer	832	0.7%
Depression	21,680	18.2%
Diabetes	112,267	94.4%
Drug abuse or dependence	1,209	1.0%
Endometrial cancer	248	0.2%
Glaucoma	13,918	11.7%
Heart failure	9,495	8.0%
History of cardiac arrest	65	0.1%
History of coronary angioplasty or bypass	7,897	6.6%
Hyperlipidemia	82,307	69.2%
Hypertension	89,693	75.4%
Ischemic heart disease	26,391	22.2%
Lung cancer	362	0.3%
Obesity	45,087	37.9%
Osteoporosis	2,995	2.5%

Table 1h. Baseline Characteristics for New Users of Dapagliflozin Propanediol in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	8,598	7.2%
Prostate cancer	1,854	1.6%
Rheumatoid arthritis/osteoarthritis	23,262	19.6%
Smoking	20,067	16.9%
Stroke/transient ischemic attack	3,126	2.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1i. Baseline Characteristics for New Users of Droxidopa in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	3,881	100%
Number of unique patients	3,881	100%
Demographics¹	Mean	Standard Deviation
Mean Age	70.6	13.5
Age (years)	Number	Percent
0-18	19	0.5%
19-64	880	22.7%
65+	2,982	76.8%
Sex		
Female	1,705	43.9%
Male	2,176	56.1%
Other	0	0.0%
Year		
2014	157	4.0%
2015	1,057	27.2%
2016	1,151	29.7%
2017	1,264	32.6%
2018	252	6.5%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	908	23.4%
Acute myocardial infarction	72	1.9%
Alcohol abuse or dependence	84	2.2%
Alzheimer's disease and related conditions	973	25.1%
Anemia	1,727	44.5%
Asthma	349	9.0%
Atrial fibrillation	821	21.2%
Benign prostatic hyperplasia	751	19.4%
Breast cancer	105	2.7%
Chronic kidney disease	1,267	32.6%
Chronic obstructive pulmonary disease and bronchiectasis	672	17.3%
Colorectal cancer	61	1.6%
Depression	1,625	41.9%
Diabetes	983	25.3%
Drug abuse or dependence	86	2.2%
Endometrial cancer	*****	*****
Glaucoma	567	14.6%
Heart failure	818	21.1%
History of cardiac arrest	20	0.5%
History of coronary angioplasty or bypass	607	15.6%
Hyperlipidemia	2,224	57.3%
Hypertension	2,463	63.5%
Ischemic heart disease	1,568	40.4%
Lung cancer	47	1.2%
Obesity	603	15.5%
Osteoporosis	379	9.8%

Table 1i. Baseline Characteristics for New Users of Droxidopa in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	364	9.4%
Prostate cancer	251	6.5%
Rheumatoid arthritis/osteoarthritis	1,182	30.5%
Smoking	1,171	30.2%
Stroke/transient ischemic attack	581	15.0%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1j. Baseline Characteristics for New Users of Dulaglutide in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	193,744	100%
Number of unique patients	193,744	100%
Demographics¹	Mean	Standard Deviation
Mean Age	62.2	10.7
Age (years)	Number	Percent
0-18	105	0.1%
19-64	102,035	52.7%
65+	91,604	47.3%
Sex		
Female	103,469	53.4%
Male	*****	*****
Other	*****	*****
Year		
2014	476	0.2%
2015	18,749	9.7%
2016	56,974	29.4%
2017	87,086	44.9%
2018	30,459	15.7%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	35,624	18.4%
Acute myocardial infarction	1,838	0.9%
Alcohol abuse or dependence	2,758	1.4%
Alzheimer's disease and related conditions	5,967	3.1%
Anemia	42,911	22.1%
Asthma	15,298	7.9%
Atrial fibrillation	13,494	7.0%
Benign prostatic hyperplasia	11,736	6.1%
Breast cancer	4,282	2.2%
Chronic kidney disease	101,915	52.6%
Chronic obstructive pulmonary disease and bronchiectasis	21,935	11.3%
Colorectal cancer	1,393	0.7%
Depression	45,311	23.4%
Diabetes	184,130	95.0%
Drug abuse or dependence	2,935	1.5%
Endometrial cancer	648	0.3%
Glaucoma	24,502	12.6%
Heart failure	23,645	12.2%
History of cardiac arrest	198	0.1%
History of coronary angioplasty or bypass	17,062	8.8%
Hyperlipidemia	135,980	70.2%
Hypertension	153,207	79.1%
Ischemic heart disease	51,681	26.7%
Lung cancer	643	0.3%
Obesity	95,841	49.5%
Osteoporosis	5,288	2.7%

Table 1j. Baseline Characteristics for New Users of Dulaglutide in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	15,478	8.0%
Prostate cancer	3,491	1.8%
Rheumatoid arthritis/osteoarthritis	45,379	23.4%
Smoking	40,644	21.0%
Stroke/transient ischemic attack	6,902	3.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1k. Baseline Characteristics for New Users of Efinaconazole in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	84,255	100%
Number of unique patients	84,255	100%
Demographics¹	Mean	Standard Deviation
Mean Age	57.1	12.8
Age (years)	Number	Percent
0-18	1,366	1.6%
19-64	56,017	66.5%
65+	26,872	31.9%
Sex		
Female	46,082	54.7%
Male	38,173	45.3%
Other	0	0.0%
Year		
2014	8,071	9.6%
2015	35,354	42.0%
2016	22,257	26.4%
2017	14,573	17.3%
2018	4,000	4.7%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	9,482	11.3%
Acute myocardial infarction	192	0.2%
Alcohol abuse or dependence	879	1.0%
Alzheimer's disease and related conditions	1,558	1.8%
Anemia	11,191	13.3%
Asthma	4,044	4.8%
Atrial fibrillation	3,501	4.2%
Benign prostatic hyperplasia	4,045	4.8%
Breast cancer	2,113	2.5%
Chronic kidney disease	5,564	6.6%
Chronic obstructive pulmonary disease and bronchiectasis	3,244	3.9%
Colorectal cancer	428	0.5%
Depression	10,948	13.0%
Diabetes	11,795	14.0%
Drug abuse or dependence	512	0.6%
Endometrial cancer	98	0.1%
Glaucoma	8,086	9.6%
Heart failure	2,850	3.4%
History of cardiac arrest	28	0.0%
History of coronary angioplasty or bypass	2,211	2.6%
Hyperlipidemia	26,744	31.7%
Hypertension	28,107	33.4%
Ischemic heart disease	8,945	10.6%
Lung cancer	256	0.3%
Obesity	11,018	13.1%
Osteoporosis	3,121	3.7%

Table 1k. Baseline Characteristics for New Users of Efinaconazole in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	4,293	5.1%
Prostate cancer	1,475	1.8%
Rheumatoid arthritis/osteoarthritis	13,789	16.4%
Smoking	7,458	8.9%
Stroke/transient ischemic attack	1,394	1.7%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 11. Baseline Characteristics for New Users of Eliglustat in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	122	100%
Number of unique patients	122	100%
Demographics¹	Mean	Standard Deviation
Mean Age	52.4	14.4
Age (years)	Number	Percent
0-18	*****	*****
19-64	84	68.9%
65+	*****	*****
Sex		
Female	64	52.5%
Male	58	47.5%
Other	0	0.0%
Year		
2014	14	11.5%
2015	66	54.1%
2016	26	21.3%
2017	*****	*****
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	12	9.8%
Acute myocardial infarction	0	0.0%
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	*****	*****
Anemia	24	19.7%
Asthma	*****	*****
Atrial fibrillation	*****	*****
Benign prostatic hyperplasia	*****	*****
Breast cancer	*****	*****
Chronic kidney disease	*****	*****
Chronic obstructive pulmonary disease and bronchiectasis	*****	*****
Colorectal cancer	0	0.0%
Depression	22	18.0%
Diabetes	*****	*****
Drug abuse or dependence	*****	*****
Endometrial cancer	*****	*****
Glaucoma	*****	*****
Heart failure	*****	*****
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	*****	*****
Hyperlipidemia	31	25.4%
Hypertension	31	25.4%
Ischemic heart disease	*****	*****
Lung cancer	0	0.0%
Obesity	*****	*****
Osteoporosis	19	15.6%

Table 11. Baseline Characteristics for New Users of Eliglustat in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	19	15.6%
Smoking	14	11.5%
Stroke/transient ischemic attack	*****	*****

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1m. Baseline Characteristics for New Users of Elosulfase Alfa in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	31	100%
Number of unique patients	31	100%
Demographics¹	Mean	Standard Deviation
Mean Age	30.6	15.6
Age (years)	Number	Percent
0-18	*****	*****
19-64	15	48.4%
65+	*****	*****
Sex		
Female	15	48.4%
Male	16	51.6%
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	*****	*****
2017	*****	*****
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	*****	*****
Acute myocardial infarction	0	0.0%
Alcohol abuse or dependence	0	0.0%
Alzheimer's disease and related conditions	0	0.0%
Anemia	*****	*****
Asthma	*****	*****
Atrial fibrillation	0	0.0%
Benign prostatic hyperplasia	0	0.0%
Breast cancer	0	0.0%
Chronic kidney disease	*****	*****
Chronic obstructive pulmonary disease and bronchiectasis	*****	*****
Colorectal cancer	0	0.0%
Depression	*****	*****
Diabetes	0	0.0%
Drug abuse or dependence	0	0.0%
Endometrial cancer	0	0.0%
Glaucoma	*****	*****
Heart failure	*****	*****
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	0	0.0%
Hyperlipidemia	*****	*****
Hypertension	*****	*****
Ischemic heart disease	*****	*****
Lung cancer	0	0.0%
Obesity	*****	*****
Osteoporosis	*****	*****

Table 1m. Baseline Characteristics for New Users of Elosulfase Alfa in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	0	0.0%
Rheumatoid arthritis/osteoarthritis	*****	*****
Smoking	*****	*****
Stroke/transient ischemic attack	0	0.0%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1n. Baseline Characteristics for New Users of Empagliflozin in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	181,374	100%
Number of unique patients	181,374	100%
Demographics ¹	Mean	Standard Deviation
Mean Age	62.0	9.8
Age (years)	Number	Percent
0-18	36	0.0%
19-64	100,780	55.6%
65+	80,558	44.4%
Sex		
Female	*****	*****
Male	101,233	55.8%
Other	*****	*****
Year		
2014	2,911	1.6%
2015	17,736	9.8%
2016	42,448	23.4%
2017	90,705	50.0%
2018	27,574	15.2%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	28,129	15.5%
Acute myocardial infarction	2,119	1.2%
Alcohol abuse or dependence	2,563	1.4%
Alzheimer's disease and related conditions	3,609	2.0%
Anemia	31,378	17.3%
Asthma	10,850	6.0%
Atrial fibrillation	11,590	6.4%
Benign prostatic hyperplasia	10,897	6.0%
Breast cancer	3,413	1.9%
Chronic kidney disease	80,419	44.3%
Chronic obstructive pulmonary disease and bronchiectasis	15,047	8.3%
Colorectal cancer	1,277	0.7%
Depression	31,619	17.4%
Diabetes	172,290	95.0%
Drug abuse or dependence	2,078	1.1%
Endometrial cancer	462	0.3%
Glaucoma	21,324	11.8%
Heart failure	16,723	9.2%
History of cardiac arrest	172	0.1%
History of coronary angioplasty or bypass	17,229	9.5%
Hyperlipidemia	125,866	69.4%
Hypertension	138,023	76.1%
Ischemic heart disease	48,350	26.7%
Lung cancer	597	0.3%
Obesity	74,585	41.1%
Osteoporosis	3,980	2.2%

Table 1n. Baseline Characteristics for New Users of Empagliflozin in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	15,585	8.6%
Prostate cancer	3,437	1.9%
Rheumatoid arthritis/osteoarthritis	34,362	18.9%
Smoking	33,404	18.4%
Stroke/transient ischemic attack	5,322	2.9%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1o. Baseline Characteristics for New Users of Idelalisib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	2,292	100%
Number of unique patients	2,292	100%
Demographics¹	Mean	Standard Deviation
Mean Age	73.3	9.4
Age (years)	Number	Percent
0-18	0	0.0%
19-64	381	16.6%
65+	1,911	83.4%
Sex		
Female	1,003	43.8%
Male	1,289	56.2%
Other	0	0.0%
Year		
2014	375	16.4%
2015	862	37.6%
2016	562	24.5%
2017	400	17.5%
2018	93	4.1%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	466	20.3%
Acute myocardial infarction	38	1.7%
Alcohol abuse or dependence	27	1.2%
Alzheimer's disease and related conditions	95	4.1%
Anemia	1,477	64.4%
Asthma	204	8.9%
Atrial fibrillation	482	21.0%
Benign prostatic hyperplasia	343	15.0%
Breast cancer	97	4.2%
Chronic kidney disease	755	32.9%
Chronic obstructive pulmonary disease and bronchiectasis	492	21.5%
Colorectal cancer	55	2.4%
Depression	451	19.7%
Diabetes	599	26.1%
Drug abuse or dependence	17	0.7%
Endometrial cancer	*****	*****
Glaucoma	314	13.7%
Heart failure	508	22.2%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	275	12.0%
Hyperlipidemia	1,087	47.4%
Hypertension	1,470	64.1%
Ischemic heart disease	755	32.9%
Lung cancer	53	2.3%
Obesity	345	15.1%
Osteoporosis	165	7.2%

Table 1o. Baseline Characteristics for New Users of Idelalisib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	182	7.9%
Prostate cancer	158	6.9%
Rheumatoid arthritis/osteoarthritis	489	21.3%
Smoking	745	32.5%
Stroke/transient ischemic attack	123	5.4%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1p. Baseline Characteristics for New Users of Ledipasvir and Sofosbuvir in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	111,387	100%
Number of unique patients	111,387	100%
Demographics¹	Mean	Standard Deviation
Mean Age	60.1	9.8
Age (years)	Number	Percent
0-18	46	0.0%
19-64	76,386	68.6%
65+	34,955	31.4%
Sex		
Female	*****	*****
Male	66,362	59.6%
Other	*****	*****
Year		
2014	8,440	7.6%
2015	48,777	43.8%
2016	31,448	28.2%
2017	18,920	17.0%
2018	3,802	3.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	11,100	10.0%
Acute myocardial infarction	539	0.5%
Alcohol abuse or dependence	12,275	11.0%
Alzheimer's disease and related conditions	2,632	2.4%
Anemia	25,409	22.8%
Asthma	7,921	7.1%
Atrial fibrillation	4,081	3.7%
Benign prostatic hyperplasia	6,412	5.8%
Breast cancer	1,621	1.5%
Chronic kidney disease	17,039	15.3%
Chronic obstructive pulmonary disease and bronchiectasis	17,495	15.7%
Colorectal cancer	981	0.9%
Depression	32,594	29.3%
Diabetes	28,349	25.5%
Drug abuse or dependence	7,505	6.7%
Endometrial cancer	133	0.1%
Glaucoma	9,431	8.5%
Heart failure	8,818	7.9%
History of cardiac arrest	133	0.1%
History of coronary angioplasty or bypass	4,120	3.7%
Hyperlipidemia	28,615	25.7%
Hypertension	61,483	55.2%
Ischemic heart disease	16,967	15.2%
Lung cancer	713	0.6%
Obesity	19,837	17.8%
Osteoporosis	4,217	3.8%

Table 1p. Baseline Characteristics for New Users of Ledipasvir and Sofosbuvir in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	8,027	7.2%
Prostate cancer	1,817	1.6%
Rheumatoid arthritis/osteoarthritis	25,781	23.1%
Smoking	45,910	41.2%
Stroke/transient ischemic attack	3,145	2.8%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1q. Baseline Characteristics for New Users of Metreleptin in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	26	100%
Number of unique patients	26	100%
Demographics¹	Mean	Standard Deviation
Mean Age	36.2	15.4
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	*****	*****
Sex		
Female	*****	*****
Male	*****	*****
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	*****	*****
2017	*****	*****
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	*****	*****
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	0	0.0%
Alzheimer's disease and related conditions	0	0.0%
Anemia	*****	*****
Asthma	*****	*****
Atrial fibrillation	*****	*****
Benign prostatic hyperplasia	*****	*****
Breast cancer	*****	*****
Chronic kidney disease	13	50.0%
Chronic obstructive pulmonary disease and bronchiectasis	*****	*****
Colorectal cancer	0	0.0%
Depression	*****	*****
Diabetes	22	84.6%
Drug abuse or dependence	*****	*****
Endometrial cancer	0	0.0%
Glaucoma	*****	*****
Heart failure	*****	*****
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	*****	*****
Hyperlipidemia	21	80.8%
Hypertension	13	50.0%
Ischemic heart disease	*****	*****
Lung cancer	0	0.0%
Obesity	*****	*****
Osteoporosis	*****	*****

Table 1q. Baseline Characteristics for New Users of Metreleptin in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	0	0.0%
Rheumatoid arthritis/osteoarthritis	*****	*****
Smoking	*****	*****
Stroke/transient ischemic attack	*****	*****

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1r. Baseline Characteristics for New Users of Miltefosine in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	22	100%
Number of unique patients	22	100%
Demographics¹	Mean	Standard Deviation
Mean Age	40.1	14.8
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	*****	*****
Sex		
Female	*****	*****
Male	*****	*****
Other	0	0.0%
Year		
2014	0	0.0%
2015	0	0.0%
2016	*****	*****
2017	*****	*****
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	0	0.0%
Acute myocardial infarction	0	0.0%
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	0	0.0%
Anemia	*****	*****
Asthma	*****	*****
Atrial fibrillation	*****	*****
Benign prostatic hyperplasia	0	0.0%
Breast cancer	0	0.0%
Chronic kidney disease	*****	*****
Chronic obstructive pulmonary disease and bronchiectasis	*****	*****
Colorectal cancer	0	0.0%
Depression	*****	*****
Diabetes	0	0.0%
Drug abuse or dependence	0	0.0%
Endometrial cancer	0	0.0%
Glaucoma	0	0.0%
Heart failure	*****	*****
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	0	0.0%
Hyperlipidemia	*****	*****
Hypertension	*****	*****
Ischemic heart disease	*****	*****
Lung cancer	0	0.0%
Obesity	0	0.0%
Osteoporosis	0	0.0%

Table 1r. Baseline Characteristics for New Users of Miltefosine in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	0	0.0%
Smoking	*****	*****
Stroke/transient ischemic attack	0	0.0%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1s. Baseline Characteristics for New Users of Naloxegol Oxalate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	79,837	100%
Number of unique patients	79,837	100%
Demographics¹	Mean	Standard Deviation
Mean Age	63.2	13.4
Age (years)	Number	Percent
0-18	43	0.1%
19-64	42,903	53.7%
65+	36,891	46.2%
Sex		
Female	50,942	63.8%
Male	28,895	36.2%
Other	0	0.0%
Year		
2014	0	0.0%
2015	13,341	16.7%
2016	31,594	39.6%
2017	28,413	35.6%
2018	6,489	8.1%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	17,527	22.0%
Acute myocardial infarction	1,009	1.3%
Alcohol abuse or dependence	2,549	3.2%
Alzheimer's disease and related conditions	5,406	6.8%
Anemia	28,274	35.4%
Asthma	10,307	12.9%
Atrial fibrillation	7,570	9.5%
Benign prostatic hyperplasia	6,248	7.8%
Breast cancer	2,835	3.6%
Chronic kidney disease	19,063	23.9%
Chronic obstructive pulmonary disease and bronchiectasis	20,121	25.2%
Colorectal cancer	1,085	1.4%
Depression	37,109	46.5%
Diabetes	25,436	31.9%
Drug abuse or dependence	6,027	7.5%
Endometrial cancer	351	0.4%
Glaucoma	7,839	9.8%
Heart failure	12,974	16.3%
History of cardiac arrest	194	0.2%
History of coronary angioplasty or bypass	7,170	9.0%
Hyperlipidemia	39,533	49.5%
Hypertension	52,869	66.2%
Ischemic heart disease	22,711	28.4%
Lung cancer	1,718	2.2%
Obesity	23,329	29.2%
Osteoporosis	7,571	9.5%

Table 1s. Baseline Characteristics for New Users of Naloxegol Oxalate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	7,447	9.3%
Prostate cancer	1,833	2.3%
Rheumatoid arthritis/osteoarthritis	47,863	60.0%
Smoking	32,359	40.5%
Stroke/transient ischemic attack	4,377	5.5%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1t. Baseline Characteristics for New Users of Netupitant and Palonosetron HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	1,526	100%
Number of unique patients	1,526	100%
Demographics¹	Mean	Standard Deviation
Mean Age	59.6	11.2
Age (years)	Number	Percent
0-18	*****	*****
19-64	982	64.4%
65+	*****	*****
Sex		
Female	979	64.2%
Male	547	35.8%
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	430	28.2%
2017	716	46.9%
2018	161	10.6%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	189	26.0%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	45	1.6%
Alzheimer's disease and related conditions	33	4.1%
Anemia	535	64.2%
Asthma	110	6.5%
Atrial fibrillation	95	21.1%
Benign prostatic hyperplasia	89	13.0%
Breast cancer	460	9.8%
Chronic kidney disease	264	39.8%
Chronic obstructive pulmonary disease and bronchiectasis	24	19.5%
Colorectal cancer	223	1.6%
Depression	303	20.3%
Diabetes	315	29.3%
Drug abuse or dependence	31	1.6%
Endometrial cancer	56	0.8%
Glaucoma	121	17.1%
Heart failure	92	24.4%
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	77	5.7%
Hyperlipidemia	560	54.5%
Hypertension	727	69.9%
Ischemic heart disease	247	23.6%
Lung cancer	242	1.6%
Obesity	356	19.5%
Osteoporosis	57	9.8%

Table 1t. Baseline Characteristics for New Users of Netupitant and Palonosetron HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	121	6.5%
Prostate cancer	41	4.9%
Rheumatoid arthritis/osteoarthritis	211	14.6%
Smoking	572	31.7%
Stroke/transient ischemic attack	13	10.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1u. Baseline Characteristics for New Users of Nintedanib Esylate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	9,795	100%
Number of unique patients	9,795	100%
Demographics ¹	Mean	Standard Deviation
Mean Age	74.6	7.5
Age (years)	Number	Percent
0-18	0	0.0%
19-64	860	8.8%
65+	8,935	91.2%
Sex		
Female	*****	*****
Male	5,887	60.1%
Other	*****	*****
Year		
2014	364	3.7%
2015	3,166	32.3%
2016	2,751	28.1%
2017	2,809	28.7%
2018	705	7.2%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	2,034	20.8%
Acute myocardial infarction	133	1.4%
Alcohol abuse or dependence	146	1.5%
Alzheimer's disease and related conditions	349	3.6%
Anemia	2,666	27.2%
Asthma	1,191	12.2%
Atrial fibrillation	1,367	14.0%
Benign prostatic hyperplasia	1,172	12.0%
Breast cancer	314	3.2%
Chronic kidney disease	2,301	23.5%
Chronic obstructive pulmonary disease and bronchiectasis	4,988	50.9%
Colorectal cancer	109	1.1%
Depression	1,952	19.9%
Diabetes	3,322	33.9%
Drug abuse or dependence	89	0.9%
Endometrial cancer	13	0.1%
Glaucoma	1,413	14.4%
Heart failure	2,403	24.5%
History of cardiac arrest	11	0.1%
History of coronary angioplasty or bypass	1,753	17.9%
Hyperlipidemia	6,353	64.9%
Hypertension	7,014	71.6%
Ischemic heart disease	4,709	48.1%
Lung cancer	189	1.9%
Obesity	2,284	23.3%
Osteoporosis	768	7.8%

Table 1u. Baseline Characteristics for New Users of Nintedanib Esylate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,123	11.5%
Prostate cancer	414	4.2%
Rheumatoid arthritis/osteoarthritis	2,681	27.4%
Smoking	3,903	39.8%
Stroke/transient ischemic attack	414	4.2%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1v. Baseline Characteristics for New Users of Nivolumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	47,124	100%
Number of unique patients	47,124	100%
Demographics ¹	Mean	Standard Deviation
Mean Age	71.1	9.1
Age (years)	Number	Percent
0-18	18	0.0%
19-64	9,554	20.3%
65+	37,552	79.7%
Sex		
Female	*****	*****
Male	26,697	56.7%
Other	*****	*****
Year		
2014	0	0.0%
2015	4,865	10.3%
2016	20,730	44.0%
2017	16,208	34.4%
2018	5,321	11.3%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	9,096	19.3%
Acute myocardial infarction	787	1.7%
Alcohol abuse or dependence	1,898	4.0%
Alzheimer's disease and related conditions	2,065	4.4%
Anemia	27,220	57.8%
Asthma	3,837	8.1%
Atrial fibrillation	7,369	15.6%
Benign prostatic hyperplasia	6,193	13.1%
Breast cancer	2,713	5.8%
Chronic kidney disease	18,086	38.4%
Chronic obstructive pulmonary disease and bronchiectasis	20,356	43.2%
Colorectal cancer	2,074	4.4%
Depression	10,870	23.1%
Diabetes	13,251	28.1%
Drug abuse or dependence	1,370	2.9%
Endometrial cancer	371	0.8%
Glaucoma	5,246	11.1%
Heart failure	7,943	16.9%
History of cardiac arrest	116	0.2%
History of coronary angioplasty or bypass	6,286	13.3%
Hyperlipidemia	25,331	53.8%
Hypertension	34,101	72.4%
Ischemic heart disease	17,633	37.4%
Lung cancer	30,439	64.6%
Obesity	8,238	17.5%
Osteoporosis	2,748	5.8%

Table 1v. Baseline Characteristics for New Users of Nivolumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	4,951	10.5%
Prostate cancer	3,047	6.5%
Rheumatoid arthritis/osteoarthritis	11,251	23.9%
Smoking	30,567	64.9%
Stroke/transient ischemic attack	3,088	6.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1w. Baseline Characteristics for New Users of Olaparib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	2,220	100%
Number of unique patients	2,220	100%
Demographics¹	Mean	Standard Deviation
Mean Age	66.0	10.0
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	1,315	59.2%
Sex		
Female	1,877	84.5%
Male	343	15.5%
Other	0	0.0%
Year		
2014	0	0.0%
2015	598	26.9%
2016	587	26.4%
2017	638	28.7%
2018	397	17.9%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	410	18.5%
Acute myocardial infarction	17	0.8%
Alcohol abuse or dependence	27	1.2%
Alzheimer's disease and related conditions	54	2.4%
Anemia	1,254	56.5%
Asthma	144	6.5%
Atrial fibrillation	159	7.2%
Benign prostatic hyperplasia	42	1.9%
Breast cancer	628	28.3%
Chronic kidney disease	571	25.7%
Chronic obstructive pulmonary disease and bronchiectasis	185	8.3%
Colorectal cancer	85	3.8%
Depression	549	24.7%
Diabetes	411	18.5%
Drug abuse or dependence	30	1.4%
Endometrial cancer	78	3.5%
Glaucoma	202	9.1%
Heart failure	199	9.0%
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	88	4.0%
Hyperlipidemia	795	35.8%
Hypertension	1,175	52.9%
Ischemic heart disease	378	17.0%
Lung cancer	80	3.6%
Obesity	370	16.7%
Osteoporosis	181	8.2%

Table 1w. Baseline Characteristics for New Users of Olaparib in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	177	8.0%
Prostate cancer	269	12.1%
Rheumatoid arthritis/osteoarthritis	384	17.3%
Smoking	559	25.2%
Stroke/transient ischemic attack	75	3.4%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1x. Baseline Characteristics for New Users of Olodaterol HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	4,474	100%
Number of unique patients	4,474	100%
Demographics¹	Mean	Standard Deviation
Mean Age	70.9	10.7
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	3,290	73.5%
Sex		
Female	2,385	53.3%
Male	2,089	46.7%
Other	0	0.0%
Year		
2014	73	1.6%
2015	1,110	24.8%
2016	1,966	43.9%
2017	1,108	24.8%
2018	217	4.9%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	681	15.2%
Acute myocardial infarction	54	1.2%
Alcohol abuse or dependence	126	2.8%
Alzheimer's disease and related conditions	209	4.7%
Anemia	990	22.1%
Asthma	1,069	23.9%
Atrial fibrillation	612	13.7%
Benign prostatic hyperplasia	400	8.9%
Breast cancer	130	2.9%
Chronic kidney disease	907	20.3%
Chronic obstructive pulmonary disease and bronchiectasis	3,227	72.1%
Colorectal cancer	58	1.3%
Depression	984	22.0%
Diabetes	1,058	23.6%
Drug abuse or dependence	82	1.8%
Endometrial cancer	11	0.2%
Glaucoma	597	13.3%
Heart failure	826	18.5%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	461	10.3%
Hyperlipidemia	2,142	47.9%
Hypertension	2,661	59.5%
Ischemic heart disease	1,395	31.2%
Lung cancer	211	4.7%
Obesity	945	21.1%
Osteoporosis	425	9.5%

Table 1x. Baseline Characteristics for New Users of Olodaterol HCl in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	235	5.3%
Prostate cancer	145	3.2%
Rheumatoid arthritis/osteoarthritis	1,158	25.9%
Smoking	2,094	46.8%
Stroke/transient ischemic attack	168	3.8%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1y. Baseline Characteristics for New Users of Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir Sodium in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	3,874	100%
Number of unique patients	3,874	100%
Demographics¹	Mean	Standard Deviation
Mean Age	56.8	10.3
Age (years)	Number	Percent
0-18	*****	*****
19-64	3,005	77.6%
65+	*****	*****
Sex		
Female	1,653	42.7%
Male	2,221	57.3%
Other	0	0.0%
Year		
2014	*****	*****
2015	2,190	56.5%
2016	1,089	28.1%
2017	*****	*****
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	362	9.3%
Acute myocardial infarction	32	0.8%
Alcohol abuse or dependence	423	10.9%
Alzheimer's disease and related conditions	66	1.7%
Anemia	1,148	29.6%
Asthma	275	7.1%
Atrial fibrillation	171	4.4%
Benign prostatic hyperplasia	201	5.2%
Breast cancer	47	1.2%
Chronic kidney disease	948	24.5%
Chronic obstructive pulmonary disease and bronchiectasis	636	16.4%
Colorectal cancer	27	0.7%
Depression	1,143	29.5%
Diabetes	1,051	27.1%
Drug abuse or dependence	341	8.8%
Endometrial cancer	*****	*****
Glaucoma	329	8.5%
Heart failure	435	11.2%
History of cardiac arrest	11	0.3%
History of coronary angioplasty or bypass	158	4.1%
Hyperlipidemia	1,036	26.7%
Hypertension	2,304	59.5%
Ischemic heart disease	651	16.8%
Lung cancer	19	0.5%
Obesity	701	18.1%
Osteoporosis	121	3.1%

Table 1y. Baseline Characteristics for New Users of Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir Sodium in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	281	7.3%
Prostate cancer	75	1.9%
Rheumatoid arthritis/osteoarthritis	932	24.1%
Smoking	1,769	45.7%
Stroke/transient ischemic attack	106	2.7%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1z. Baseline Characteristics for New Users of Oritavancin Diphosphate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	4,442	100%
Number of unique patients	4,442	100%
Demographics¹	Mean	Standard Deviation
Mean Age	66.4	14.2
Age (years)	Number	Percent
0-18	15	0.3%
19-64	1,708	38.5%
65+	2,719	61.2%
Sex		
Female	2,234	50.3%
Male	2,208	49.7%
Other	0	0.0%
Year		
2014	0	0.0%
2015	451	10.2%
2016	1,506	33.9%
2017	1,861	41.9%
2018	624	14.0%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	1,056	23.8%
Acute myocardial infarction	92	2.1%
Alcohol abuse or dependence	214	4.8%
Alzheimer's disease and related conditions	401	9.0%
Anemia	2,009	45.2%
Asthma	566	12.7%
Atrial fibrillation	916	20.6%
Benign prostatic hyperplasia	442	10.0%
Breast cancer	197	4.4%
Chronic kidney disease	1,958	44.1%
Chronic obstructive pulmonary disease and bronchiectasis	1,088	24.5%
Colorectal cancer	82	1.8%
Depression	1,478	33.3%
Diabetes	2,185	49.2%
Drug abuse or dependence	229	5.2%
Endometrial cancer	32	0.7%
Glaucoma	472	10.6%
Heart failure	1,236	27.8%
History of cardiac arrest	11	0.2%
History of coronary angioplasty or bypass	691	15.6%
Hyperlipidemia	2,544	57.3%
Hypertension	3,443	77.5%
Ischemic heart disease	1,680	37.8%
Lung cancer	63	1.4%
Obesity	1,830	41.2%
Osteoporosis	354	8.0%

Table 1z. Baseline Characteristics for New Users of Oritavancin Diphosphate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	444	10.0%
Prostate cancer	143	3.2%
Rheumatoid arthritis/osteoarthritis	1,821	41.0%
Smoking	1,773	39.9%
Stroke/transient ischemic attack	284	6.4%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1aa. Baseline Characteristics for New Users of Peginterferon Beta-1A in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	2,935	100%
Number of unique patients	2,935	100%
Demographics¹	Mean	Standard Deviation
Mean Age	53.2	11.9
Age (years)	Number	Percent
0-18	*****	*****
19-64	2,362	80.5%
65+	*****	*****
Sex		
Female	2,374	80.9%
Male	561	19.1%
Other	0	0.0%
Year		
2014	300	10.2%
2015	1,527	52.0%
2016	611	20.8%
2017	402	13.7%
2018	95	3.2%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	405	13.8%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	28	1.0%
Alzheimer's disease and related conditions	76	2.6%
Anemia	583	19.9%
Asthma	197	6.7%
Atrial fibrillation	47	1.6%
Benign prostatic hyperplasia	49	1.7%
Breast cancer	64	2.2%
Chronic kidney disease	172	5.9%
Chronic obstructive pulmonary disease and bronchiectasis	205	7.0%
Colorectal cancer	12	0.4%
Depression	1,001	34.1%
Diabetes	392	13.4%
Drug abuse or dependence	34	1.2%
Endometrial cancer	*****	*****
Glaucoma	256	8.7%
Heart failure	103	3.5%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	58	2.0%
Hyperlipidemia	839	28.6%
Hypertension	1,045	35.6%
Ischemic heart disease	244	8.3%
Lung cancer	*****	*****
Obesity	511	17.4%
Osteoporosis	159	5.4%

Table 1aa. Baseline Characteristics for New Users of Peginterferon Beta-1A in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	154	5.2%
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	559	19.0%
Smoking	681	23.2%
Stroke/transient ischemic attack	84	2.9%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1ab. Baseline Characteristics for New Users of Pembrolizumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	28,039	100%
Number of unique patients	28,039	100%
Demographics¹	Mean	Standard Deviation
Mean Age	72.4	9.5
Age (years)	Number	Percent
0-18	11	0.0%
19-64	4,881	17.4%
65+	23,147	82.6%
Sex		
Female	*****	*****
Male	15,944	56.9%
Other	*****	*****
Year		
2014	11	0.0%
2015	1,941	6.9%
2016	5,393	19.2%
2017	15,076	53.8%
2018	5,618	20.0%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	5,564	19.8%
Acute myocardial infarction	468	1.7%
Alcohol abuse or dependence	1,209	4.3%
Alzheimer's disease and related conditions	1,538	5.5%
Anemia	13,705	48.9%
Asthma	1,977	7.1%
Atrial fibrillation	4,577	16.3%
Benign prostatic hyperplasia	4,123	14.7%
Breast cancer	1,797	6.4%
Chronic kidney disease	8,834	31.5%
Chronic obstructive pulmonary disease and bronchiectasis	10,090	36.0%
Colorectal cancer	1,707	6.1%
Depression	6,286	22.4%
Diabetes	7,370	26.3%
Drug abuse or dependence	1,009	3.6%
Endometrial cancer	491	1.8%
Glaucoma	3,395	12.1%
Heart failure	4,423	15.8%
History of cardiac arrest	91	0.3%
History of coronary angioplasty or bypass	3,834	13.7%
Hyperlipidemia	15,330	54.7%
Hypertension	20,141	71.8%
Ischemic heart disease	10,437	37.2%
Lung cancer	14,544	51.9%
Obesity	5,170	18.4%
Osteoporosis	1,929	6.9%

Table 1ab. Baseline Characteristics for New Users of Pembrolizumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	3,280	11.7%
Prostate cancer	2,356	8.4%
Rheumatoid arthritis/osteoarthritis	7,250	25.9%
Smoking	17,499	62.4%
Stroke/transient ischemic attack	2,123	7.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1ac. Baseline Characteristics for New Users of Peramivir in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	22	100%
Number of unique patients	22	100%
Demographics¹	Mean	Standard Deviation
Mean Age	78.6	9.3
Age (years)	Number	Percent
0-18	0	0.0%
19-64	*****	*****
65+	*****	*****
Sex		
Female	*****	*****
Male	*****	*****
Other	0	0.0%
Year		
2014	0	0.0%
2015	0	0.0%
2016	*****	*****
2017	11	50.0%
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	*****	*****
Acute myocardial infarction	0	0.0%
Alcohol abuse or dependence	0	0.0%
Alzheimer's disease and related conditions	*****	*****
Anemia	*****	*****
Asthma	*****	*****
Atrial fibrillation	*****	*****
Benign prostatic hyperplasia	*****	*****
Breast cancer	0	0.0%
Chronic kidney disease	*****	*****
Chronic obstructive pulmonary disease and bronchiectasis	*****	*****
Colorectal cancer	0	0.0%
Depression	*****	*****
Diabetes	*****	*****
Drug abuse or dependence	0	0.0%
Endometrial cancer	0	0.0%
Glaucoma	*****	*****
Heart failure	*****	*****
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	*****	*****
Hyperlipidemia	*****	*****
Hypertension	18	81.8%
Ischemic heart disease	*****	*****
Lung cancer	*****	*****
Obesity	*****	*****
Osteoporosis	*****	*****

Table 1ac. Baseline Characteristics for New Users of Peramivir in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	12	54.5%
Smoking	*****	*****
Stroke/transient ischemic attack	*****	*****

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1ad. Baseline Characteristics for New Users of Pirfenidone in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	10,244	100%
Number of unique patients	10,244	100%
Demographics¹	Mean	Standard Deviation
Mean Age	74.3	7.4
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	9,335	91.1%
Sex		
Female	*****	*****
Male	6,454	63.0%
Other	*****	*****
Year		
2014	115	1.1%
2015	4,339	42.4%
2016	2,549	24.9%
2017	2,563	25.0%
2018	678	6.6%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	1,979	19.3%
Acute myocardial infarction	179	1.7%
Alcohol abuse or dependence	178	1.7%
Alzheimer's disease and related conditions	313	3.1%
Anemia	2,829	27.6%
Asthma	1,129	11.0%
Atrial fibrillation	1,607	15.7%
Benign prostatic hyperplasia	1,290	12.6%
Breast cancer	258	2.5%
Chronic kidney disease	2,278	22.2%
Chronic obstructive pulmonary disease and bronchiectasis	4,964	48.5%
Colorectal cancer	126	1.2%
Depression	1,992	19.4%
Diabetes	3,467	33.8%
Drug abuse or dependence	78	0.8%
Endometrial cancer	19	0.2%
Glaucoma	1,508	14.7%
Heart failure	2,585	25.2%
History of cardiac arrest	18	0.2%
History of coronary angioplasty or bypass	1,938	18.9%
Hyperlipidemia	6,673	65.1%
Hypertension	7,313	71.4%
Ischemic heart disease	5,033	49.1%
Lung cancer	177	1.7%
Obesity	2,385	23.3%
Osteoporosis	725	7.1%

Table 1ad. Baseline Characteristics for New Users of Pirfenidone in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,085	10.6%
Prostate cancer	464	4.5%
Rheumatoid arthritis/osteoarthritis	2,632	25.7%
Smoking	4,051	39.5%
Stroke/transient ischemic attack	421	4.1%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1ae. Baseline Characteristics for New Users of Ramucirumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	6,452	100%
Number of unique patients	6,452	100%
Demographics¹	Mean	Standard Deviation
Mean Age	69.1	8.9
Age (years)	Number	Percent
0-18	*****	*****
19-64	*****	*****
65+	4,760	73.8%
Sex		
Female	2,322	36.0%
Male	4,130	64.0%
Other	0	0.0%
Year		
2014	231	3.6%
2015	1,239	19.2%
2016	2,231	34.6%
2017	2,144	33.2%
2018	607	9.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	994	15.4%
Acute myocardial infarction	75	1.2%
Alcohol abuse or dependence	214	3.3%
Alzheimer's disease and related conditions	183	2.8%
Anemia	4,111	63.7%
Asthma	401	6.2%
Atrial fibrillation	816	12.6%
Benign prostatic hyperplasia	829	12.8%
Breast cancer	290	4.5%
Chronic kidney disease	1,676	26.0%
Chronic obstructive pulmonary disease and bronchiectasis	1,898	29.4%
Colorectal cancer	1,124	17.4%
Depression	1,355	21.0%
Diabetes	1,812	28.1%
Drug abuse or dependence	146	2.3%
Endometrial cancer	21	0.3%
Glaucoma	631	9.8%
Heart failure	860	13.3%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	697	10.8%
Hyperlipidemia	3,095	48.0%
Hypertension	4,334	67.2%
Ischemic heart disease	2,007	31.1%
Lung cancer	2,334	36.2%
Obesity	1,075	16.7%
Osteoporosis	284	4.4%

Table 1ae. Baseline Characteristics for New Users of Ramucirumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	637	9.9%
Prostate cancer	379	5.9%
Rheumatoid arthritis/osteoarthritis	1,279	19.8%
Smoking	3,583	55.5%
Stroke/transient ischemic attack	251	3.9%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1af. Baseline Characteristics for New Users of Siltuximab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	65	100%
Number of unique patients	65	100%
Demographics¹	Mean	Standard Deviation
Mean Age	54.7	15.8
Age (years)	Number	Percent
0-18	*****	*****
19-64	38	58.5%
65+	*****	*****
Sex		
Female	29	44.6%
Male	36	55.4%
Other	0	0.0%
Year		
2014	*****	*****
2015	*****	*****
2016	26	40.0%
2017	22	33.8%
2018	*****	*****
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	16	24.6%
Acute myocardial infarction	0	0.0%
Alcohol abuse or dependence	*****	*****
Alzheimer's disease and related conditions	*****	*****
Anemia	42	64.6%
Asthma	*****	*****
Atrial fibrillation	*****	*****
Benign prostatic hyperplasia	*****	*****
Breast cancer	*****	*****
Chronic kidney disease	23	35.4%
Chronic obstructive pulmonary disease and bronchiectasis	11	16.9%
Colorectal cancer	0	0.0%
Depression	17	26.2%
Diabetes	23	35.4%
Drug abuse or dependence	*****	*****
Endometrial cancer	0	0.0%
Glaucoma	*****	*****
Heart failure	*****	*****
History of cardiac arrest	0	0.0%
History of coronary angioplasty or bypass	*****	*****
Hyperlipidemia	19	29.2%
Hypertension	37	56.9%
Ischemic heart disease	11	16.9%
Lung cancer	*****	*****
Obesity	20	30.8%
Osteoporosis	*****	*****

Table 1af. Baseline Characteristics for New Users of Siltuximab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	*****	*****
Prostate cancer	*****	*****
Rheumatoid arthritis/osteoarthritis	17	26.2%
Smoking	28	43.1%
Stroke/transient ischemic attack	*****	*****

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

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Table 1ag. Baseline Characteristics for New Users of Sulfur Hexafluoride Lipid-Type A Microspheres in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	17,062	100%
Number of unique patients	17,062	100%
Demographics ¹	Mean	Standard Deviation
Mean Age	68.7	11.3
Age (years)	Number	Percent
0-18	15	0.1%
19-64	5,174	30.3%
65+	11,873	69.6%
Sex		
Female	6,981	40.9%
Male	10,081	59.1%
Other	0	0.0%
Year		
2014	0	0.0%
2015	216	1.3%
2016	3,588	21.0%
2017	9,225	54.1%
2018	4,033	23.6%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	2,882	16.9%
Acute myocardial infarction	590	3.5%
Alcohol abuse or dependence	579	3.4%
Alzheimer's disease and related conditions	811	4.8%
Anemia	4,386	25.7%
Asthma	1,526	8.9%
Atrial fibrillation	3,715	21.8%
Benign prostatic hyperplasia	1,653	9.7%
Breast cancer	615	3.6%
Chronic kidney disease	5,131	30.1%
Chronic obstructive pulmonary disease and bronchiectasis	2,984	17.5%
Colorectal cancer	246	1.4%
Depression	3,848	22.6%
Diabetes	6,497	38.1%
Drug abuse or dependence	377	2.2%
Endometrial cancer	75	0.4%
Glaucoma	2,052	12.0%
Heart failure	5,191	30.4%
History of cardiac arrest	102	0.6%
History of coronary angioplasty or bypass	3,411	20.0%
Hyperlipidemia	9,688	56.8%
Hypertension	12,599	73.8%
Ischemic heart disease	8,238	48.3%
Lung cancer	219	1.3%
Obesity	6,348	37.2%
Osteoporosis	722	4.2%

Table 1ag. Baseline Characteristics for New Users of Sulfur Hexafluoride Lipid-Type A Microspheres in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,390	8.1%
Prostate cancer	713	4.2%
Rheumatoid arthritis/osteoarthritis	4,406	25.8%
Smoking	5,514	32.3%
Stroke/transient ischemic attack	929	5.4%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1ah. Baseline Characteristics for New Users of Suvorexant MK-4305 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	84,221	100%
Number of unique patients	84,221	100%
Demographics¹	Mean	Standard Deviation
Mean Age	61.6	13.9
Age (years)	Number	Percent
0-18	160	0.2%
19-64	44,624	53.0%
65+	39,437	46.8%
Sex		
Female	54,548	64.8%
Male	29,673	35.2%
Other	0	0.0%
Year		
2014	0	0.0%
2015	21,804	25.9%
2016	27,116	32.2%
2017	26,641	31.6%
2018	8,660	10.3%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	17,474	20.7%
Acute myocardial infarction	718	0.9%
Alcohol abuse or dependence	3,569	4.2%
Alzheimer's disease and related conditions	5,616	6.7%
Anemia	22,458	26.7%
Asthma	8,862	10.5%
Atrial fibrillation	6,609	7.8%
Benign prostatic hyperplasia	5,525	6.6%
Breast cancer	2,633	3.1%
Chronic kidney disease	14,351	17.0%
Chronic obstructive pulmonary disease and bronchiectasis	13,107	15.6%
Colorectal cancer	759	0.9%
Depression	40,121	47.6%
Diabetes	20,189	24.0%
Drug abuse or dependence	4,128	4.9%
Endometrial cancer	195	0.2%
Glaucoma	8,646	10.3%
Heart failure	8,744	10.4%
History of cardiac arrest	137	0.2%
History of coronary angioplasty or bypass	5,188	6.2%
Hyperlipidemia	38,513	45.7%
Hypertension	47,104	55.9%
Ischemic heart disease	17,791	21.1%
Lung cancer	679	0.8%
Obesity	20,305	24.1%
Osteoporosis	5,867	7.0%

Table 1ah. Baseline Characteristics for New Users of Suvorexant MK-4305 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	7,721	9.2%
Prostate cancer	1,749	2.1%
Rheumatoid arthritis/osteoarthritis	28,959	34.4%
Smoking	23,409	27.8%
Stroke/transient ischemic attack	3,728	4.4%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1ai. Baseline Characteristics for New Users of Tasimelteon in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	1,031	100%
Number of unique patients	1,031	100%
Demographics¹	Mean	Standard Deviation
Mean Age	56.5	14.3
Age (years)	Number	Percent
0-18	*****	*****
19-64	737	71.5%
65+	*****	*****
Sex		
Female	515	50.0%
Male	516	50.0%
Other	0	0.0%
Year		
2014	194	18.8%
2015	232	22.5%
2016	217	21.0%
2017	270	26.2%
2018	118	11.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	194	18.8%
Acute myocardial infarction	*****	*****
Alcohol abuse or dependence	24	2.3%
Alzheimer's disease and related conditions	69	6.7%
Anemia	294	28.5%
Asthma	121	11.7%
Atrial fibrillation	45	4.4%
Benign prostatic hyperplasia	62	6.0%
Breast cancer	21	2.0%
Chronic kidney disease	256	24.8%
Chronic obstructive pulmonary disease and bronchiectasis	128	12.4%
Colorectal cancer	*****	*****
Depression	495	48.0%
Diabetes	367	35.6%
Drug abuse or dependence	52	5.0%
Endometrial cancer	*****	*****
Glaucoma	166	16.1%
Heart failure	126	12.2%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	59	5.7%
Hyperlipidemia	461	44.7%
Hypertension	585	56.7%
Ischemic heart disease	209	20.3%
Lung cancer	*****	*****
Obesity	288	27.9%
Osteoporosis	55	5.3%

Table 1ai. Baseline Characteristics for New Users of Tasimelteon in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	78	7.6%
Prostate cancer	17	1.6%
Rheumatoid arthritis/osteoarthritis	287	27.8%
Smoking	252	24.4%
Stroke/transient ischemic attack	55	5.3%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1aj. Baseline Characteristics for New Users of Tavorole in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	25,550	100%
Number of unique patients	25,550	100%
Demographics¹	Mean	Standard Deviation
Mean Age	57.7	12.6
Age (years)	Number	Percent
0-18	372	1.5%
19-64	16,637	65.1%
65+	8,541	33.4%
Sex		
Female	15,344	60.1%
Male	10,206	39.9%
Other	0	0.0%
Year		
2014	671	2.6%
2015	11,386	44.6%
2016	8,468	33.1%
2017	4,149	16.2%
2018	876	3.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	2,986	11.7%
Acute myocardial infarction	57	0.2%
Alcohol abuse or dependence	228	0.9%
Alzheimer's disease and related conditions	396	1.5%
Anemia	3,494	13.7%
Asthma	1,221	4.8%
Atrial fibrillation	1,019	4.0%
Benign prostatic hyperplasia	1,249	4.9%
Breast cancer	738	2.9%
Chronic kidney disease	1,711	6.7%
Chronic obstructive pulmonary disease and bronchiectasis	944	3.7%
Colorectal cancer	131	0.5%
Depression	3,150	12.3%
Diabetes	3,944	15.4%
Drug abuse or dependence	117	0.5%
Endometrial cancer	38	0.1%
Glaucoma	2,767	10.8%
Heart failure	839	3.3%
History of cardiac arrest	12	0.0%
History of coronary angioplasty or bypass	698	2.7%
Hyperlipidemia	8,652	33.9%
Hypertension	8,969	35.1%
Ischemic heart disease	2,890	11.3%
Lung cancer	87	0.3%
Obesity	3,455	13.5%
Osteoporosis	1,063	4.2%

Table 1aj. Baseline Characteristics for New Users of Tavaborole in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,515	5.9%
Prostate cancer	432	1.7%
Rheumatoid arthritis/osteoarthritis	4,262	16.7%
Smoking	2,082	8.1%
Stroke/transient ischemic attack	431	1.7%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1ak. Baseline Characteristics for New Users of Tedizolid Phosphate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	2,743	100%
Number of unique patients	2,743	100%
Demographics¹	Mean	Standard Deviation
Mean Age	62.0	15.2
Age (years)	Number	Percent
0-18	13	0.5%
19-64	1,456	53.1%
65+	1,274	46.4%
Sex		
Female	1,506	54.9%
Male	1,237	45.1%
Other	0	0.0%
Year		
2014	457	16.7%
2015	761	27.7%
2016	461	16.8%
2017	793	28.9%
2018	271	9.9%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	652	23.8%
Acute myocardial infarction	77	2.8%
Alcohol abuse or dependence	85	3.1%
Alzheimer's disease and related conditions	272	9.9%
Anemia	1,390	50.7%
Asthma	423	15.4%
Atrial fibrillation	425	15.5%
Benign prostatic hyperplasia	221	8.1%
Breast cancer	131	4.8%
Chronic kidney disease	1,211	44.1%
Chronic obstructive pulmonary disease and bronchiectasis	738	26.9%
Colorectal cancer	55	2.0%
Depression	1,105	40.3%
Diabetes	1,368	49.9%
Drug abuse or dependence	109	4.0%
Endometrial cancer	*****	*****
Glaucoma	316	11.5%
Heart failure	763	27.8%
History of cardiac arrest	20	0.7%
History of coronary angioplasty or bypass	371	13.5%
Hyperlipidemia	1,517	55.3%
Hypertension	2,049	74.7%
Ischemic heart disease	1,019	37.1%
Lung cancer	38	1.4%
Obesity	1,127	41.1%
Osteoporosis	274	10.0%

Table 1ak. Baseline Characteristics for New Users of Tedizolid Phosphate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	256	9.3%
Prostate cancer	61	2.2%
Rheumatoid arthritis/osteoarthritis	1,024	37.3%
Smoking	1,036	37.8%
Stroke/transient ischemic attack	170	6.2%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 1a. Baseline Characteristics for New Users of Vedolizumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	13,574	100%
Number of unique patients	13,574	100%
Demographics¹	Mean	Standard Deviation
Mean Age	52.7	15.5
Age (years)	Number	Percent
0-18	290	2.1%
19-64	8,550	63.0%
65+	4,734	34.9%
Sex		
Female	7,420	54.7%
Male	6,154	45.3%
Other	0	0.0%
Year		
2014	622	4.6%
2015	2,027	14.9%
2016	5,230	38.5%
2017	4,287	31.6%
2018	1,408	10.4%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	1,474	10.9%
Acute myocardial infarction	75	0.6%
Alcohol abuse or dependence	247	1.8%
Alzheimer's disease and related conditions	215	1.6%
Anemia	6,179	45.5%
Asthma	1,171	8.6%
Atrial fibrillation	724	5.3%
Benign prostatic hyperplasia	685	5.0%
Breast cancer	275	2.0%
Chronic kidney disease	2,066	15.2%
Chronic obstructive pulmonary disease and bronchiectasis	1,227	9.0%
Colorectal cancer	167	1.2%
Depression	3,505	25.8%
Diabetes	1,814	13.4%
Drug abuse or dependence	327	2.4%
Endometrial cancer	31	0.2%
Glaucoma	993	7.3%
Heart failure	766	5.6%
History of cardiac arrest	21	0.2%
History of coronary angioplasty or bypass	542	4.0%
Hyperlipidemia	3,466	25.5%
Hypertension	4,864	35.8%
Ischemic heart disease	1,653	12.2%
Lung cancer	91	0.7%
Obesity	2,183	16.1%
Osteoporosis	1,079	7.9%

Table 1a. Baseline Characteristics for New Users of Vedolizumab in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	1,012	7.5%
Prostate cancer	264	1.9%
Rheumatoid arthritis/osteoarthritis	2,460	18.1%
Smoking	3,952	29.1%
Stroke/transient ischemic attack	264	1.9%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Table 1am. Baseline Characteristics for New Users of Vorapaxar Sulfate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Characteristic	Number	Percent
Number of episodes	2,151	100%
Number of unique patients	2,151	100%
Demographics¹	Mean	Standard Deviation
Mean Age	71.1	10.2
Age (years)	Number	Percent
0-18	0	0.0%
19-64	579	26.9%
65+	1,572	73.1%
Sex		
Female	901	41.9%
Male	1,250	58.1%
Other	0	0.0%
Year		
2014	46	2.1%
2015	534	24.8%
2016	678	31.5%
2017	554	25.8%
2018	339	15.8%
Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Acquired hypothyroidism	405	18.8%
Acute myocardial infarction	153	7.1%
Alcohol abuse or dependence	54	2.5%
Alzheimer's disease and related conditions	197	9.2%
Anemia	891	41.4%
Asthma	164	7.6%
Atrial fibrillation	239	11.1%
Benign prostatic hyperplasia	288	13.4%
Breast cancer	40	1.9%
Chronic kidney disease	859	39.9%
Chronic obstructive pulmonary disease and bronchiectasis	616	28.6%
Colorectal cancer	33	1.5%
Depression	478	22.2%
Diabetes	1,260	58.6%
Drug abuse or dependence	52	2.4%
Endometrial cancer	*****	*****
Glaucoma	326	15.2%
Heart failure	741	34.4%
History of cardiac arrest	*****	*****
History of coronary angioplasty or bypass	871	40.5%
Hyperlipidemia	1,827	84.9%
Hypertension	2,008	93.4%
Ischemic heart disease	1,792	83.3%
Lung cancer	20	0.9%
Obesity	607	28.2%
Osteoporosis	168	7.8%

Table 1am. Baseline Characteristics for New Users of Vorapaxar Sulfate in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

Recorded History of Characteristics in the 365 Days prior to Index	Number	Percent
Overweight	255	11.9%
Prostate cancer	89	4.1%
Rheumatoid arthritis/osteoarthritis	698	32.5%
Smoking	977	45.4%
Stroke/transient ischemic attack	163	7.6%

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 2a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, Overall

Drug	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Albiglutide	25,988	97,901,019	226,053,329.4	26.55
Apremilast	33,548	97,900,918	226,048,683.1	34.27
Belinostat	123	97,904,749	226,103,077.1	0.13
Blinatumomab	194	97,904,745	226,103,040.6	0.20
Ceftolozane/Tazobactam	885	97,904,736	226,102,353.7	0.90
Ceritinib	629	97,904,695	226,102,296.2	0.64
Dalbavancin	7,387	97,904,664	226,095,438.3	7.55
Dapagliflozin	118,886	97,888,048	225,904,090.6	121.45
Droxidopa	3,881	97,904,443	226,097,543.8	3.96
Dulaglutide	193,744	97,881,073	225,878,207.1	197.94
Efinaconazole	84,255	97,901,853	225,949,826.4	86.06
Eliglustat	122	97,904,700	226,102,884.5	0.12
Elosulfase Alfa	31	97,904,738	226,103,096.1	0.03
Empagliflozin	181,374	97,881,338	225,901,856.0	185.30
Idelalisib	2,292	97,904,648	226,099,985.2	2.34
Ledipasvir and Sofosbuvir	111,387	97,901,849	225,896,661.0	113.77
Metreleptin	26	97,904,747	226,103,117.2	0.03
Miltefosine	22	97,904,752	226,103,166.2	0.02
Naloxegol	79,837	97,901,182	226,001,483.0	81.55
Netupitant and Palonosetron	1,526	97,904,691	226,101,844.8	1.56
Nintedanib	9,795	97,903,917	226,089,316.2	10.00
Nivolumab	47,124	97,901,493	226,065,662.8	48.13
Olaparib	2,220	97,904,620	226,101,086.5	2.27
Olodaterol	4,474	97,904,521	226,096,598.8	4.57
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir	3,874	97,904,694	226,095,966.3	3.96
Oritavancin diphosphate	4,442	97,904,701	226,098,537.6	4.54
Peginterferon Beta-1A	2,935	97,904,353	226,096,581.9	3.00
Pembrolizumab	28,039	97,903,148	226,084,220.5	28.64
Peramivir	22	97,904,752	226,103,169.1	0.02
Pirfenidone	10,244	97,903,857	226,087,648.5	10.46
Ramucirumab	6,452	97,904,357	226,098,811.9	6.59
Siltuximab	65	97,904,740	226,103,077.3	0.07
Sulfur Hexafluoride Lipid-Type A Microspheres	17,062	97,904,560	226,090,218.2	17.43
Suvorexant MK-4305	84,221	97,901,153	225,988,285.9	86.03
Tasimelteon	1,031	97,904,672	226,101,372.1	1.05
Tavaborole	25,550	97,903,822	226,058,890.7	26.10
Tedizolid phosphate	2,743	97,904,698	226,099,001.4	2.80
Vedolizumab	13,574	97,902,310	226,082,612.6	13.86
Vorapaxar sulfate	2,151	97,904,597	226,100,211.2	2.20

¹Eligible members and eligible 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 2b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014, August 31, 2018, Overall

Drug	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹				Summary Statistics for Length of Follow-Up Time in Day					
		< 1	1-2	3-4	5+	Minimum	Q1	Median	Q3	Maximum	Mean
Abiglutide	25,988	6,746	17,122	2,120	0	1	352	639	894	1,409	627.3
Apremilast	33,548	13,026	17,383	3,139	0	1	224	486	815	1,552	537.9
Belinostat	123	81	*****	*****	0	6	79	200	450	1,185	289.8
Blinatumomab	194	155	*****	*****	0	3	76	169	325	1,096	242.7
Ceftolozane/Tazobactam	885	*****	319	*****	0	2	101	262	514	1,398	331.2
Ceritinib	629	351	217	61	0	2	111	308	677	1,459	435.3
Dalbavancin	7,387	4,008	3,340	39	0	1	172	334	548	1,293	375.7
Dapagliflozin	118,886	52,420	49,397	17,069	0	1	174	432	845	1,631	537.8
Droxidopa	3,881	1,700	1,989	192	0	1	218	429	737	1,346	491.9
Dulaglutide	193,744	106,076	85,381	2,287	0	1	146	327	577	1,322	382.9
Efinacozazole	84,255	25,167	46,890	12,198	0	1	304	635	969	1,470	635.9
Eliglustat	122	28	74	20	0	21	384	760	1,012	1,378	719.1
Elosulfase Alfa	31	*****	12	*****	0	20	289	477	1185	1,457	665.4
Empagliflozin	181,374	107,879	68,987	4,508	0	1	138	294	515	1,420	362.9
Idelalisib	2,292	1,136	954	202	0	2	141	370	797	1,441	478.6
Ledipasvir and Sofosbuvir	111,387	30,306	65,594	15,487	0	1	335	665	968	1,381	651.6
Metreleptin	26	*****	12	*****	0	38	334	581	865	1,395	654.9
Miltefosine	22	*****	*****	0	0	27	92	161	301	728	203.8
Naloxegol	79,837	35,054	44,671	112	0	1	202	416	676	1,181	444.7
Netupitant and Palonosetron	1,526	1,035	471	20	0	1	91	230	445	1,242	303.5
Nintedanib	9,795	4,444	4,827	524	0	1	188	410	719	1,358	476.4
Nivolumab	47,124	34,161	12,952	11	0	1	75	180	394	1,225	264.3
Olaparib	2,220	1,464	722	34	0	1	88	208	479	1,247	315.1
Olodaterol	4,474	1,545	2,738	191	0	1	257	516	720	1,333	513.0
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir	3,874	951	2,552	371	0	1	375	687	944	1,294	658.7
Oritavancin diphosphate	4,442	2,444	1,961	37	0	1	145	325	565	1,223	374.6

Table 2b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 August 31, 2018, Overall

Drug	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹				Summary Statistics for Length of Follow-Up Time in Day					
		< 1	1-2	3-4	5+	Minimum	Q1	Median	Q3	Maximum	Mean
Peginterferon Beta-1A	2,935	636	1,584	715	0	2	413	794	1,089	1,344	742.2
Pembrolizumab	28,039	22,638	5,122	279	0	1	65	157	306	1,321	227.4
Peramivir	22	*****	*****	0	0	7	53	100	246	521	159.5
Pirfenidone	10,244	4,310	5,163	771	0	1	202	451	777	1,310	508.3
Ramucirumab	6,452	5,277	1,154	21	0	1	79	162	303	1,310	224.3
Siltuximab	65	*****	37	*****	0	24	236	465	758	1,425	498.1
Sulfur Hexafluoride Lipid-Type A Microspheres	17,062	12,124	4,938	0	0	1	102	228	396	1,003	273.1
Suvorexant MK-4305	84,221	36,490	45,893	1,838	0	1	194	431	748	1,274	477.4
Tasimelteon	1,031	423	428	180	0	2	191	487	943	1,521	585.0
Tavorole	25,550	7,512	16,017	2,021	0	1	313	639	887	1,418	608.1
Tedizolid phosphate	2,743	1,239	1,081	423	0	1	180	427	921	1,462	544.5
Vedolizumab	13,574	5,943	6,869	762	0	1	194	435	731	1,482	481.3
Vorapaxar sulfate	2,151	1,029	1,039	83	0	1	138	410	762	1,414	466.0

¹ Some follow-up time categories were combined and converted to years during the reporting process. Below are the categories in days from the specifications and the corresponding time reported in years:

- 1-364 days = <1 year
- 365-729 and 730-1094 days = 1-2 years
- 1095-1459 and 1460-1824 days = 3-4 years
- 1825+ days = 5+ years

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

4 and

s

Standard Deviation
333.7
367.7
264.3
227.4
276.8
385.4
256.3
417.1
331.4
282.4
379.6
370.8
462.2
286.6
382.5
363.0
454.2
160.6
283.8
264.1
334.9
239.1
284.2
306.6
334.5
273.8

4 and

s

Standard Deviation

378.0

226.3

143.5

349.0

202.6

317.8

210.1

320.1

437.2

343.3

415.8

333.4

353.9

categories

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Albiglutide				
2014	1,449	57,714,209	50,225,964.4	2.51
2015	11,115	59,966,278	52,476,866.6	18.54
2016	10,505	67,637,321	54,433,256.0	15.53
2017	2,737	62,851,821	54,265,680.9	4.35
2018	182	42,937,535	14,651,561.5	0.42
Apremilast				
2014	2,907	57,714,128	50,225,420.1	5.04
2015	8,840	59,964,953	52,476,487.7	14.74
2016	10,065	67,639,329	54,435,245.5	14.88
2017	9,061	62,852,008	54,263,161.5	14.42
2018	2,675	42,930,534	14,648,368.3	6.23
Belinostat				
2014	0	57,714,229	50,226,179.0	0.00
2015	*****	59,968,420	52,483,497.3	*****
2016	54	67,652,600	54,451,331.5	0.08
2017	41	62,872,291	54,286,382.0	0.07
2018	*****	42,950,664	14,655,687.2	*****
Blinatumomab				
2014	0	57,714,229	50,226,179.0	0.00
2015	27	59,968,420	52,483,494.6	0.05
2016	58	67,652,599	54,451,328.5	0.09
2017	83	62,872,279	54,286,365.0	0.13
2018	26	42,950,640	14,655,673.5	0.06
Ceftolozane/Tazobactam				
2014	*****	57,714,229	50,226,177.1	*****
2015	*****	59,968,413	52,483,463.7	*****
2016	328	67,652,520	54,451,155.6	0.48
2017	327	62,872,004	54,286,018.6	0.52
2018	125	42,950,232	14,655,538.7	0.29
Ceritinib				
2014	235	57,714,223	50,226,105.9	0.41
2015	176	59,968,203	52,483,276.4	0.29
2016	113	67,652,343	54,451,101.3	0.17
2017	90	62,872,092	54,286,171.6	0.14
2018	15	42,950,528	14,655,641.0	0.03
Dalbavancin				
2014	*****	57,714,229	50,226,178.3	*****
2015	*****	59,968,404	52,483,276.5	*****
2016	2,537	67,651,946	54,449,754.4	3.75
2017	3,466	62,869,548	54,282,157.1	5.51
2018	795	42,945,421	14,654,071.9	1.85

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Dapagliflozin				
2014	21,286	57,713,188	50,217,788.8	36.88
2015	23,653	59,944,781	52,449,909.0	39.46
2016	24,503	67,604,423	54,397,463.7	36.24
2017	33,689	62,808,620	54,211,224.9	53.64
2018	15,755	42,871,376	14,627,704.2	36.75
Droxidopa				
2014	157	57,714,228	50,226,163.1	0.27
2015	1,057	59,968,230	52,482,860.3	1.76
2016	1,151	67,651,304	54,449,714.5	1.70
2017	1,264	62,870,217	54,283,918.9	2.01
2018	252	42,947,944	14,654,887.0	0.59
Dulaglutide				
2014	476	57,714,228	50,226,152.5	0.82
2015	18,749	59,967,144	52,475,871.5	31.27
2016	56,974	67,623,776	54,402,732.6	84.25
2017	87,086	62,789,707	54,170,243.4	138.69
2018	30,459	42,807,879	14,603,207.1	71.15
Efinaconazole				
2014	8,071	57,714,108	50,224,732.3	13.98
2015	35,354	59,959,235	52,456,556.5	58.96
2016	22,257	67,610,818	54,401,771.1	32.92
2017	14,573	62,820,918	54,229,989.4	23.20
2018	4,000	42,901,294	14,636,777.1	9.32
Eliglustat				
2014	14	57,714,229	50,226,177.3	0.02
2015	66	59,968,398	52,483,448.1	0.11
2016	26	67,652,512	54,451,268.7	0.04
2017	*****	62,872,211	54,286,319.4	*****
2018	*****	42,950,619	14,655,671.0	*****
Elosulfase Alfa				
2014	*****	57,714,229	50,226,176.6	*****
2015	*****	59,968,409	52,483,487.0	*****
2016	*****	67,652,594	54,451,341.6	*****
2017	*****	62,872,298	54,286,399.4	*****
2018	*****	42,950,683	14,655,691.6	*****
Empagliflozin				
2014	2,911	57,714,178	50,225,736.0	5.04
2015	17,736	59,964,269	52,472,311.9	29.58
2016	42,448	67,623,621	54,411,307.6	62.77
2017	90,705	62,804,190	54,185,023.7	144.43
2018	27,574	42,824,276	14,607,476.8	64.39

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Idelalisib				
2014	375	57,714,225	50,226,102.4	0.65
2015	862	59,968,056	52,482,862.3	1.44
2016	562	67,651,671	54,450,290.0	0.83
2017	400	62,871,268	54,285,324.2	0.64
2018	93	42,949,695	14,655,406.3	0.22
Ledipasvir and Sofosbuvir				
2014	8,440	57,714,157	50,225,371.3	14.62
2015	48,777	59,957,665	52,447,845.0	81.35
2016	31,448	67,596,115	54,382,448.6	46.52
2017	18,920	62,797,088	54,206,685.7	30.13
2018	3,802	42,882,217	14,634,310.3	8.87
Metreleptin				
2014	*****	57,714,228	50,226,175.9	*****
2015	*****	59,968,411	52,483,493.0	*****
2016	*****	67,652,601	54,451,346.3	*****
2017	*****	62,872,308	54,286,406.5	*****
2018	*****	42,950,693	14,655,695.5	*****
Miltefosine				
2014	0	57,714,229	50,226,179.0	0.00
2015	0	59,968,420	52,483,503.4	0.00
2016	*****	67,652,617	54,451,364.0	*****
2017	*****	62,872,327	54,286,422.1	*****
2018	*****	42,950,705	14,655,697.7	*****
Naloxegol				
2014	0	57,714,229	50,226,179.0	0.00
2015	13,341	59,968,198	52,479,983.2	22.25
2016	31,594	67,637,024	54,422,883.6	46.71
2017	28,413	62,831,090	54,233,496.3	45.22
2018	6,489	42,893,605	14,638,940.9	15.13
Netupitant and Palonosetron				
2014	*****	57,714,228	50,226,178.7	*****
2015	*****	59,968,413	52,483,411.1	*****
2016	430	67,652,392	54,451,026.8	0.64
2017	716	62,871,860	54,285,759.9	1.14
2018	161	42,950,132	14,655,468.4	0.37
Nintedanib				
2014	364	57,714,229	50,226,150.3	0.63
2015	3,166	59,967,966	52,481,628.0	5.28
2016	2,751	67,649,043	54,447,114.7	4.07
2017	2,809	62,867,244	54,280,642.2	4.47
2018	705	42,944,545	14,653,781.0	1.64

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Nivolumab				
2014	0	57,714,229	50,226,179.0	0.00
2015	4,865	59,968,297	52,482,349.3	8.11
2016	20,730	67,646,723	54,438,989.0	30.64
2017	16,208	62,856,235	54,268,385.8	25.79
2018	5,321	42,932,201	14,649,759.6	12.39
Olaparib				
2014	0	57,714,229	50,226,179.0	0.00
2015	598	59,968,393	52,483,219.2	1.00
2016	587	67,652,052	54,450,682.4	0.87
2017	638	62,871,558	54,285,607.7	1.01
2018	397	42,949,867	14,655,398.1	0.92
Olodaterol				
2014	73	57,714,229	50,226,173.7	0.13
2015	1,110	59,968,321	52,482,947.3	1.85
2016	1,966	67,651,371	54,449,221.0	2.91
2017	1,108	62,869,503	54,283,305.1	1.76
2018	217	42,948,523	14,654,951.7	0.51
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir				
2014	*****	57,714,229	50,226,179.0	*****
2015	2,190	59,968,303	52,482,369.1	3.65
2016	1,089	67,650,464	54,448,747.0	1.61
2017	*****	62,869,562	54,283,471.1	*****
2018	*****	42,949,006	14,655,200.1	*****
Oritavancin diphosphate				
2014	0	57,714,229	50,226,179.0	0.00
2015	451	59,968,408	52,483,327.1	0.75
2016	1,506	67,652,131	54,450,331.2	2.23
2017	1,861	62,870,611	54,283,988.5	2.96
2018	624	42,947,674	14,654,711.7	1.45
Peginterferon Beta-1A				
2014	300	57,714,227	50,226,160.4	0.52
2015	1,527	59,967,978	52,482,222.7	2.55
2016	611	67,650,617	54,449,186.1	0.90
2017	402	62,870,042	54,284,033.2	0.64
2018	95	42,948,504	14,654,979.5	0.22
Pembrolizumab				
2014	11	57,714,228	50,226,177.6	0.02
2015	1,941	59,968,331	52,482,559.7	3.24
2016	5,393	67,650,466	54,448,008.5	7.97
2017	15,076	62,866,607	54,276,517.1	23.98
2018	5,618	42,936,524	14,650,957.7	13.08

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Peramivir				
2014	0	57,714,229	50,226,179.0	0.00
2015	0	59,968,420	52,483,503.4	0.00
2016	*****	67,652,617	54,451,364.8	*****
2017	11	62,872,330	54,286,424.5	0.02
2018	*****	42,950,702	14,655,697.3	*****
Pirfenidone				
2014	115	57,714,228	50,226,172.7	0.20
2015	4,339	59,968,129	52,480,933.5	7.24
2016	2,549	67,648,091	54,446,380.5	3.77
2017	2,563	62,866,702	54,280,346.3	4.08
2018	678	42,944,470	14,653,815.6	1.58
Ramucirumab				
2014	231	57,714,227	50,226,142.5	0.40
2015	1,239	59,968,161	52,482,912.3	2.07
2016	2,231	67,651,659	54,449,951.1	3.30
2017	2,144	62,870,818	54,284,661.9	3.41
2018	607	42,948,964	14,655,144.1	1.41
Siltuximab				
2014	*****	57,714,229	50,226,178.2	*****
2015	*****	59,968,418	52,483,498.0	*****
2016	26	67,652,598	54,451,338.1	0.04
2017	22	62,872,288	54,286,380.3	0.03
2018	*****	42,950,654	14,655,682.8	*****
Sulfur Hexafluoride Lipid-Type A Microspheres				
2014	0	57,714,229	50,226,179.0	0.00
2015	216	59,968,420	52,483,478.0	0.36
2016	3,588	67,652,224	54,449,694.4	5.30
2017	9,225	62,868,815	54,279,147.8	14.67
2018	4,033	42,939,450	14,651,718.9	9.39
Suvorexant MK-4305				
2014	0	57,714,229	50,226,179.0	0.00
2015	21,804	59,967,804	52,475,395.0	36.36
2016	27,116	67,629,421	54,416,867.4	40.09
2017	26,641	62,828,755	54,232,856.7	42.40
2018	8,660	42,893,919	14,636,987.7	20.19
Tasimelteon				
2014	194	57,714,220	50,226,106.0	0.34
2015	232	59,968,204	52,483,201.9	0.39
2016	217	67,652,170	54,450,839.9	0.32
2017	270	62,871,727	54,285,756.0	0.43
2018	118	42,949,960	14,655,468.3	0.27

Table 3a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Eligible Members ²	Eligible Member-Years ²	New Users per 100,000 Eligible Members
Tavaborole				
2014	671	57,714,225	50,226,103.5	1.16
2015	11,386	59,967,515	52,478,423.4	18.99
2016	8,468	67,640,324	54,435,463.6	12.52
2017	4,149	62,856,274	54,268,966.7	6.60
2018	876	42,935,585	14,649,933.5	2.04
Tedizolid phosphate				
2014	457	57,714,219	50,226,072.8	0.79
2015	761	59,967,976	52,482,660.1	1.27
2016	461	67,651,547	54,450,183.3	0.68
2017	793	62,871,020	54,284,893.9	1.26
2018	271	42,949,139	14,655,191.4	0.63
Vedolizumab				
2014	622	57,714,212	50,226,071.8	1.08
2015	2,027	59,967,581	52,481,850.2	3.38
2016	5,230	67,648,760	54,445,607.1	7.73
2017	4,287	62,863,953	54,276,848.6	6.82
2018	1,408	42,940,734	14,652,234.8	3.28
Vorapaxar sulfate				
2014	46	57,714,228	50,226,172.5	0.08
2015	534	59,968,351	52,483,237.2	0.89
2016	678	67,651,954	54,450,402.5	1.00
2017	554	62,871,162	54,285,159.6	0.88
2018	339	42,949,237	14,655,239.4	0.79

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

²Eligible members and eligible member-years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Albiglutide					
2014	1,449	231	368	850	0
2015	11,115	1,811	8,034	1,270	0
2016	10,505	2,431	8,074	0	0
2017	2,737	2,091	646	0	0
2018	182	182	0	0	0
Apremilast					
2014	2,907	441	680	1,786	0
2015	8,840	1,301	6,186	1,353	0
2016	10,065	1,813	8,252	0	0
2017	9,061	6,796	2,265	0	0
2018	2,675	2,675	0	0	0
Belinostat					
2014					
2015	*****	*****	*****	*****	0
2016	54	34	20	0	0
2017	41	*****	*****	0	0
2018	*****	*****	0	0	0
Blinatumomab					
2014	0	0	0	0	0
2015	27	*****	*****	*****	0
2016	58	36	22	0	0
2017	83	*****	*****	0	0
2018	26	26	0	0	0
Ceftolozane/Tazobactam					
2014	*****	*****	0	*****	0
2015	*****	*****	59	*****	0
2016	328	115	213	0	0
2017	327	280	47	0	0
2018	125	125	0	0	0
Ceritinib					
2014	235	123	*****	*****	0
2015	176	85	*****	*****	0
2016	113	58	55	0	0
2017	90	70	20	0	0
2018	15	15	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Dalbavancin					
2014	*****	*****	*****	*****	0
2015	*****	*****	*****	*****	0
2016	2,537	438	2,099	0	0
2017	3,466	2,682	784	0	0
2018	795	795	0	0	0
Dapagliflozin					
2014	21,286	3,873	5,373	12,040	0
2015	23,653	3739	14885	5029	0
2016	24,503	3,628	20,875	0	0
2017	33,689	25,425	8,264	0	0
2018	15,755	15,755	0	0	0
Droxidopa					
2014	157	29	53	75	0
2015	1,057	165	775	117	0
2016	1,151	225	926	0	0
2017	1,264	1,029	235	0	0
2018	252	252	0	0	0
Dulaglutide					
2014	476	72	155	249	0
2015	18,749	2,433	14,278	2,038	0
2016	56,974	8,240	48,734	0	0
2017	87,086	64,872	22,214	0	0
2018	30,459	30,459	0	0	0
Efinaconazole					
2014	8,071	1,319	2,081	4,671	0
2015	35,354	5,611	22,216	7,527	0
2016	22,257	4,218	18,039	0	0
2017	14,573	10,019	4,554	0	0
2018	4,000	4,000	0	0	0
Eliglustat					
2014	14	0	*****	*****	0
2015	66	*****	42	*****	0
2016	26	*****	*****	0	0
2017	*****	*****	*****	0	0
2018	*****	*****	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Elosulfase Alfa					
2014	*****	*****	0	*****	0
2015	*****	*****	*****	*****	0
2016	*****	0	*****	0	0
2017	*****	*****	*****	0	0
2018	*****	*****	0	0	0
Empagliflozin					
2014	2,911	541	776	1,594	0
2015	17,736	2,685	12,137	2,914	0
2016	42,448	7,467	34,981	0	0
2017	90,705	69,612	21,093	0	0
2018	27,574	27,574	0	0	0
Idelalisib					
2014	375	150	109	116	0
2015	862	353	423	86	0
2016	562	203	359	0	0
2017	400	337	63	0	0
2018	93	93	0	0	0
Ledipasvir and Sofosbuvir					
2014	8,440	987	1,915	5,538	0
2015	48,777	6,140	32,688	9,949	0
2016	31,448	5,121	26,327	0	0
2017	18,920	14,256	4,664	0	0
2018	3,802	3,802	0	0	0
Metreleptin					
2014	*****	*****	*****	*****	0
2015	*****	*****	*****	0	0
2016	*****	*****	*****	0	0
2017	*****	*****	*****	0	0
2018	*****	*****	0	0	0
Miltefosine					
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	*****	*****	*****	0	0
2017	*****	*****	*****	0	0
2018	*****	*****	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Naloxegol					
2014	0	0	0	0	0
2015	13,341	1857	11372	112	0
2016	31,594	5,619	25,975	0	0
2017	28,413	21,089	7,324	0	0
2018	6,489	6,489	0	0	0
Netupitant and Palonosetron					
2014	*****	0	*****	*****	0
2015	*****	80	*****	*****	0
2016	430	161	269	0	0
2017	716	633	83	0	0
2018	161	161	0	0	0
Nintedanib					
2014	364	104	117	143	0
2015	3,166	746	2,039	381	0
2016	2,751	731	2,020	0	0
2017	2,809	2,158	651	0	0
2018	705	705	0	0	0
Nivolumab					
2014	0	0	0	0	0
2015	4,865	2,859	1,995	11	0
2016	20,730	11,874	8,856	0	0
2017	16,208	14,107	2,101	0	0
2018	5,321	5,321	0	0	0
Olaparib					
2014	0	0	0	0	0
2015	598	232	332	34	0
2016	587	269	318	0	0
2017	638	566	72	0	0
2018	397	397	0	0	0
Olodaterol					
2014	73	13	19	41	0
2015	1,110	165	795	150	0
2016	1,966	327	1,639	0	0
2017	1,108	823	285	0	0
2018	217	217	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir					
2014	*****	*****	*****	*****	0
2015	2,190	*****	1,551	*****	0
2016	1,089	142	947	0	0
2017	*****	534	*****	0	0
2018	*****	*****	0	0	0
Oritavancin diphosphate					
2014	0	0	0	0	0
2015	451	63	351	37	0
2016	1,506	293	1,213	0	0
2017	1,861	1,464	397	0	0
2018	624	624	0	0	0
Peginterferon Beta-1A					
2014	300	30	50	220	0
2015	1,527	161	871	495	0
2016	611	96	515	0	0
2017	402	254	148	0	0
2018	95	95	0	0	0
Pembrolizumab					
2014	11	*****	*****	*****	0
2015	1,941	*****	*****	*****	0
2016	5,393	2,729	2,664	0	0
2017	15,076	13,503	1,573	0	0
2018	5,618	5,618	0	0	0
Peramivir					
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	*****	*****	0	0	0
2017	11	*****	*****	0	0
2018	*****	*****	0	0	0
Pirfenidone					
2014	115	35	44	36	0
2015	4,339	994	2,610	735	0
2016	2,549	608	1,941	0	0
2017	2,563	1,995	568	0	0
2018	678	678	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Ramucirumab					
2014	231	175	*****	*****	0
2015	1,239	921	*****	*****	0
2016	2,231	1,627	604	0	0
2017	2,144	1,947	197	0	0
2018	607	607	0	0	0
Siltuximab					
2014	*****	0	*****	*****	0
2015	*****	0	*****	0	0
2016	26	*****	*****	0	0
2017	22	*****	*****	0	0
2018	*****	*****	0	0	0
Sulfur Hexafluoride Lipid-Type A Microspheres					
2014	0	0	0	0	0
2015	216	27	189	0	0
2016	3,588	595	2,993	0	0
2017	9,225	7,469	1,756	0	0
2018	4,033	4,033	0	0	0
Suvorexant MK-4305					
2014	0	0	0	0	0
2015	21,804	3,144	16,822	1,838	0
2016	27,116	4,437	22,679	0	0
2017	26,641	20,249	6,392	0	0
2018	8,660	8,660	0	0	0
Tasimelteon					
2014	194	25	33	136	0
2015	232	21	167	44	0
2016	217	36	181	0	0
2017	270	223	47	0	0
2018	118	118	0	0	0
Tavaborole					
2014	671	145	166	360	0
2015	11,386	1,883	7,842	1,661	0
2016	8,468	1,764	6,704	0	0
2017	4,149	2,844	1,305	0	0
2018	876	876	0	0	0

Table 3b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Year

Year	Number of New Users ¹	Counts of New Users by Length of Follow-Up Time in Years ²			
		< 1	1-2	3-4	5+
Tedizolid phosphate					
2014	457	75	125	257	0
2015	761	141	454	166	0
2016	461	88	373	0	0
2017	793	664	129	0	0
2018	271	271	0	0	0
Vedolizumab					
2014	622	105	144	373	0
2015	2,027	302	1,336	389	0
2016	5,230	859	4,371	0	0
2017	4,287	3,269	1,018	0	0
2018	1,408	1,408	0	0	0
Vorapaxar sulfate					
2014	46	****	****	25	0
2015	534	****	****	58	0
2016	678	107	571	0	0
2017	554	507	47	0	0
2018	339	339	0	0	0

¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

²Some follow-up time categories were combined and converted to years during the reporting process. Below are the categories in days from the specifications and the corresponding time categories reported in years:

- 1-364 days = <1 year
- 365-729 and 730-1094 days = 1-2 years
- 1095-1459 and 1460-1824 days = 3-4 years
- 1825+ days = 5+ years

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 4a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Albiglutide				
Female	13,658	51,577,128	121,736,984.3	26.48
Male	12,330	46,321,357	104,311,824.8	26.62
Other	0	2,534	4,520.3	0.00
Apremilast				
Female	19,129	51,576,863	121,731,894.4	37.09
Male	14,419	46,321,521	104,312,268.5	31.13
Other	0	2,534	4,520.3	0.00
Belinostat				
Female	62	51,578,939	121,763,306.6	0.12
Male	61	46,323,276	104,335,250.2	0.13
Other	0	2,534	4,520.3	0.00
Blinatumomab				
Female	86	51,578,938	121,763,295.7	0.17
Male	108	46,323,273	104,335,224.6	0.23
Other	0	2,534	4,520.3	0.00
Ceftolozane/Tazobactam				
Female	428	51,578,930	121,762,953.1	0.83
Male	457	46,323,272	104,334,880.3	0.99
Other	0	2,534	4,520.3	0.00
Ceritinib				
Female	342	51,578,914	121,762,877.9	0.66
Male	287	46,323,247	104,334,898.1	0.62
Other	0	2,534	4,520.3	0.00
Dalbavancin				
Female	3,710	51,578,904	121,759,393.7	7.19
Male	3,677	46,323,226	104,331,524.3	7.94
Other	0	2,534	4,520.3	0.00
Dapagliflozin				
Female	*****	51,572,025	121,668,494.6	*****
Male	61,421	46,313,489	104,231,077.0	132.62
Other	*****	2,534	4,519.0	*****
Droxidopa				
Female	1,705	51,578,797	121,760,843.4	3.31
Male	2,176	46,323,112	104,332,180.1	4.70
Other	0	2,534	4,520.3	0.00
Dulaglutide				
Female	103,469	51,567,050	121,643,253.6	200.65
Male	*****	46,311,489	104,230,435.8	*****
Other	*****	2,534	4,517.6	*****

Table 4a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Efinaconazole				
Female	46,082	51,577,552	121,680,501.4	89.35
Male	38,173	46,321,767	104,264,804.7	82.41
Other	0	2,534	4,520.3	0.00
Eliglustat				
Female	64	51,578,919	121,763,205.4	0.12
Male	58	46,323,247	104,335,158.8	0.13
Other	0	2,534	4,520.3	0.00
Elosulfase Alfa				
Female	15	51,578,933	121,763,317.8	0.03
Male	16	46,323,271	104,335,258.0	0.03
Other	0	2,534	4,520.3	0.00
Empagliflozin				
Female	*****	51,569,565	121,673,675.2	*****
Male	101,233	46,309,239	104,223,661.1	218.60
Other	*****	2,534	4,519.6	*****
Idelalisib				
Female	1,003	51,578,899	121,761,887.7	1.94
Male	1,289	46,323,215	104,333,577.3	2.78
Other	0	2,534	4,520.3	0.00
Ledipasvir and Sofosbuvir				
Female	*****	51,577,879	121,679,266.9	*****
Male	66,362	46,321,436	104,212,880.2	143.26
Other	*****	2,534	4,513.9	*****
Metreleptin				
Female	*****	51,578,937	121,763,309.2	*****
Male	*****	46,323,276	104,335,287.7	*****
Other	0	2,534	4,520.3	0.00
Miltefosine				
Female	*****	51,578,941	121,763,356.0	*****
Male	*****	46,323,277	104,335,289.9	*****
Other	0	2,534	4,520.3	0.00
Naloxegol				
Female	50,942	51,576,781	121,697,753.9	98.77
Male	28,895	46,321,867	104,299,209.1	62.38
Other	0	2,534	4,520.0	0.00
Netupitant and Palonosetron				
Female	979	51,578,908	121,762,473.2	1.90
Male	547	46,323,249	104,334,851.3	1.18
Other	0	2,534	4,520.3	0.00

Table 4a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Nintedanib				
Female	*****	51,578,629	121,757,588.0	*****
Male	5,887	46,322,754	104,327,210.0	12.71
Other	*****	2,534	4,518.2	*****
Nivolumab				
Female	*****	51,577,650	121,746,790.8	*****
Male	26,697	46,321,309	104,314,352.1	57.63
Other	*****	2,534	4,520.0	*****
Olaparib				
Female	1,877	51,578,827	121,761,503.5	3.64
Male	343	46,323,259	104,335,062.7	0.74
Other	0	2,534	4,520.3	0.00
Olodaterol				
Female	2,385	51,578,828	121,759,854.5	4.62
Male	2,089	46,323,159	104,332,224.0	4.51
Other	0	2,534	4,520.3	0.00
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir				
Female	1,653	51,578,925	121,760,407.7	3.20
Male	2,221	46,323,235	104,331,038.4	4.79
Other	0	2,534	4,520.3	0.00
Oritavancin diphosphate				
Female	2,234	51,578,921	121,760,958.0	4.33
Male	2,208	46,323,246	104,333,059.4	4.77
Other	0	2,534	4,520.3	0.00
Peginterferon Beta-1A				
Female	2,374	51,578,629	121,757,996.0	4.60
Male	561	46,323,190	104,334,065.6	1.21
Other	0	2,534	4,520.3	0.00
Pembrolizumab				
Female	*****	51,578,279	121,755,415.1	*****
Male	15,944	46,322,335	104,324,285.6	34.42
Other	*****	2,534	4,519.9	*****
Peramivir				
Female	*****	51,578,941	121,763,357.8	*****
Male	*****	46,323,277	104,335,291.0	*****
Other	0	2,534	4,520.3	0.00
Pirfenidone				
Female	*****	51,578,625	121,757,489.4	*****
Male	6,454	46,322,698	104,325,639.7	13.93
Other	*****	2,534	4,519.4	*****

Table 4a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Ramucirumab				
Female	2,322	51,578,808	121,761,654.9	4.50
Male	4,130	46,323,015	104,332,636.8	8.92
Other	0	2,534	4,520.3	0.00
Siltuximab				
Female	29	51,578,936	121,763,316.3	0.06
Male	36	46,323,270	104,335,240.8	0.08
Other	0	2,534	4,520.3	0.00
Sulfur Hexafluoride Lipid-Type A Microspheres				
Female	6,981	51,578,867	121,758,008.4	13.53
Male	10,081	46,323,159	104,327,689.5	21.76
Other	0	2,534	4,520.3	0.00
Suvorexant MK-4305				
Female	54,548	51,576,608	121,689,025.5	105.76
Male	29,673	46,322,011	104,294,740.1	64.06
Other	0	2,534	4,520.3	0.00
Tasimelteon				
Female	515	51,578,898	121,762,480.8	1.00
Male	516	46,323,240	104,334,371.0	1.11
Other	0	2,534	4,520.3	0.00
Tavaborole				
Female	15,344	51,578,452	121,736,678.9	29.75
Male	10,206	46,322,836	104,317,691.5	22.03
Other	0	2,534	4,520.3	0.00
Tedizolid phosphate				
Female	1,506	51,578,911	121,761,064.5	2.92
Male	1,237	46,323,253	104,333,416.7	2.67
Other	0	2,534	4,520.3	0.00
Vedolizumab				
Female	7,420	51,577,641	121,751,960.4	14.39
Male	6,154	46,322,135	104,326,131.9	13.29
Other	0	2,534	4,520.3	0.00
Vorapaxar sulfate				
Female	901	51,578,893	121,762,203.3	1.75
Male	1,250	46,323,170	104,333,487.6	2.70
Other	0	2,534	4,520.3	0.00

¹Eligible members and eligible member-years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 4b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Albiglutide					
Female	13,658	3,398	9,142	1,118	0
Male	12,330	3,348	7,980	1,002	0
Other	0	0	0	0	0
Apremilast					
Female	19,129	7,309	9,954	1,866	0
Male	14,419	5,717	7,429	1,273	0
Other	0	0	0	0	0
Belinostat					
Female	62	*****	*****	*****	0
Male	61	*****	*****	0	0
Other	0	0	0	0	0
Blinatumomab					
Female	86	*****	*****	*****	0
Male	108	*****	*****	0	0
Other	0	0	0	0	0
Ceftolozane/Tazobactam					
Female	428	268	*****	*****	0
Male	457	290	*****	*****	0
Other	0	0	0	0	0
Ceritinib					
Female	342	195	110	37	0
Male	287	156	107	24	0
Other	0	0	0	0	0
Dalbavancin					
Female	3,710	1,947	1,745	18	0
Male	3,677	2,061	1,595	21	0
Other	0	0	0	0	0
Dapagliflozin					
Female	*****	*****	24,000	8,162	0
Male	61,421	27,117	25,397	8,907	0
Other	*****	*****	0	0	0
Droxidopa					
Female	1,705	732	880	93	0
Male	2,176	968	1,109	99	0
Other	0	0	0	0	0

Table 4b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Dulaglutide					
Female	103,469	56,377	45,897	1,195	0
Male	*****	*****	*****	1,092	0
Other	*****	*****	*****	0	0
Efinaconazole					
Female	46,082	13,901	25,700	6,481	0
Male	38,173	11,266	21,190	5,717	0
Other	0	0	0	0	0
Eliglustat					
Female	64	*****	39	*****	0
Male	58	*****	35	*****	0
Other	0	0	0	0	0
Elosulfase Alfa					
Female	15	*****	*****	*****	0
Male	16	*****	*****	*****	0
Other	0	0	0	0	0
Empagliflozin					
Female	*****	*****	30,842	2,107	0
Male	101,233	60,687	38,145	2,401	0
Other	*****	*****	0	0	0
Idelalisib					
Female	1,003	470	436	97	0
Male	1,289	666	518	105	0
Other	0	0	0	0	0
Ledipasvir and Sofosbuvir					
Female	*****	*****	*****	6,508	0
Male	66,362	18,322	39,061	8,979	0
Other	*****	*****	*****	0	0
Metreleptin					
Female	*****	*****	*****	*****	0
Male	*****	*****	*****	0	0
Other	0	0	0	0	0
Miltefosine					
Female	*****	*****	*****	0	0
Male	*****	*****	*****	0	0
Other	0	0	0	0	0

Table 4b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Naloxegol					
Female	50,942	21,879	28,990	73	0
Male	28,895	13,175	15,681	39	0
Other	0	0	0	0	0
Netupitant and Palonosetron					
Female	979	643	*****	*****	0
Male	547	392	*****	*****	0
Other	0	0	0	0	0
Nintedanib					
Female	*****	1,657	*****	262	0
Male	5,887	2,787	2,838	262	0
Other	*****	0	*****	0	0
Nivolumab					
Female	*****	*****	5,798	*****	0
Male	26,697	*****	7,154	*****	0
Other	*****	*****	0	0	0
Olaparib					
Female	1,877	1,199	644	34	0
Male	343	265	78	0	0
Other	0	0	0	0	0
Olodaterol					
Female	2,385	820	1,458	107	0
Male	2,089	725	1,280	84	0
Other	0	0	0	0	0
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir					
Female	1,653	450	1,067	136	0
Male	2,221	501	1,485	235	0
Other	0	0	0	0	0
Oritavancin diphosphate					
Female	2,234	1,179	1,029	26	0
Male	2,208	1,265	932	11	0
Other	0	0	0	0	0
Peginterferon Beta-1A					
Female	2,374	498	1,292	584	0
Male	561	138	292	131	0
Other	0	0	0	0	0

Table 4b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Pembrolizumab					
Female	*****	*****	2,076	110	0
Male	15,944	12,729	3,046	169	0
Other	*****	*****	0	0	0
Peramivir					
Female	*****	*****	0	0	0
Male	*****	*****	*****	0	0
Other	0	0	0	0	0
Pirfenidone					
Female	*****	*****	1,977	303	0
Male	6,454	2,800	3,186	468	0
Other	*****	*****	0	0	0
Ramucirumab					
Female	2,322	1,851	*****	*****	0
Male	4,130	3,426	*****	*****	0
Other	0	0	0	0	0
Siltuximab					
Female	29	*****	*****	0	0
Male	36	*****	*****	*****	0
Other	0	0	0	0	0
Sulfur Hexafluoride Lipid-Type A Microspheres					
Female	6,981	4,935	2,046	0	0
Male	10,081	7,189	2,892	0	0
Other	0	0	0	0	0
Suvorexant MK-4305					
Female	54,548	23,611	29,841	1,096	0
Male	29,673	12,879	16,052	742	0
Other	0	0	0	0	0
Tasimelteon					
Female	515	230	195	90	0
Male	516	193	233	90	0
Other	0	0	0	0	0
Tavaborole					
Female	15,344	4,466	9,644	1,234	0
Male	10,206	3,046	6,373	787	0
Other	0	0	0	0	0

Table 4b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Sex

Sex	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Tedizolid phosphate					
Female	1,506	675	610	221	0
Male	1,237	564	471	202	0
Other	0	0	0	0	0
Vedolizumab					
Female	7,420	3,189	3,812	419	0
Male	6,154	2,754	3,057	343	0
Other	0	0	0	0	0
Vorapaxar sulfate					
Female	901	460	413	28	0
Male	1,250	569	626	55	0
Other	0	0	0	0	0

¹ Some follow-up time categories were combined and converted to years during the reporting process. Below are the categories in days from the specifications and the corresponding time categories reported in years:

1-364 days = <1 year

365-729 and 730-1094 days = 1-2 years

1095-1459 and 1460-1824 days = 3-4 years

1825+ days = 5+ years

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 5a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Albiglutide				
0-18	16	15,495,804	29,871,470.2	0.10
19-64	17,984	53,986,690	107,248,639.3	33.31
65+	7,988	32,315,468	88,933,219.9	24.72
Apremilast				
0-18	150	15,495,794	29,871,338.9	0.97
19-64	23,660	53,986,579	107,244,165.3	43.83
65+	9,738	32,315,486	88,933,179.0	30.13
Belinostat				
0-18	0	15,495,805	29,871,483.2	0.00
19-64	27	53,989,742	107,280,780.1	0.05
65+	96	32,317,178	88,950,813.8	0.30
Blinatumomab				
0-18	12	15,495,805	29,871,476.6	0.08
19-64	120	53,989,735	107,280,716.5	0.22
65+	62	32,317,177	88,950,847.5	0.19
Ceftolozane/Tazobactam				
0-18	*****	15,495,804	29,871,471.6	*****
19-64	439	53,989,729	107,280,395.1	0.81
65+	*****	32,317,167	88,950,487.1	*****
Ceritinib				
0-18	*****	15,495,805	29,871,482.1	*****
19-64	*****	53,989,705	107,280,436.8	*****
65+	391	32,317,151	88,950,377.3	1.21
Dalbavancin				
0-18	12	15,495,805	29,871,474.7	0.08
19-64	2,765	53,989,694	107,277,907.9	5.12
65+	4,610	32,317,018	88,946,055.6	14.26
Dapagliflozin				
0-18	37	15,495,805	29,871,444.3	0.24
19-64	70,108	53,979,467	107,163,290.7	129.88
65+	48,741	32,306,603	88,869,355.6	150.87
Droxidopa				
0-18	19	15,495,804	29,871,472.7	0.12
19-64	880	53,989,623	107,279,510.8	1.63
65+	2,982	32,316,934	88,946,560.3	9.23
Dulaglutide				
0-18	105	15,495,797	29,871,395.2	0.68
19-64	102,035	53,975,598	107,166,768.0	189.04
65+	91,604	32,303,079	88,840,043.9	283.58

Table 5a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Efinaconazole				
0-18	1,366	15,495,765	29,869,415.6	8.82
19-64	56,017	53,987,159	107,183,661.8	103.76
65+	26,872	32,313,447	88,896,748.9	83.16
Eliglustat				
0-18	*****	15,495,805	29,871,479.5	*****
19-64	84	53,989,701	107,280,601.6	0.16
65+	*****	32,317,163	88,950,803.4	*****
Elosulfase Alfa				
0-18	*****	15,495,797	29,871,445.3	*****
19-64	15	53,989,736	107,280,767.4	0.03
65+	*****	32,317,181	88,950,883.4	*****
Empagliflozin				
0-18	36	15,495,800	29,871,453.4	0.23
19-64	100,780	53,974,534	107,167,915.7	186.72
65+	80,558	32,304,621	88,862,487.0	249.37
Idelalisib				
0-18	0	15,495,805	29,871,483.2	0.00
19-64	381	53,989,718	107,280,296.7	0.71
65+	1,911	32,317,066	88,948,205.4	5.91
Ledipasvir and Sofosbuvir				
0-18	46	15,495,804	29,871,447.2	0.30
19-64	76,386	53,987,465	107,149,004.4	141.49
65+	34,955	32,308,573	88,876,209.4	108.19
Metreleptin				
0-18	*****	15,495,804	29,871,474.4	*****
19-64	*****	53,989,739	107,280,759.0	*****
65+	*****	32,317,180	88,950,883.8	*****
Miltefosine				
0-18	*****	15,495,805	29,871,481.4	*****
19-64	*****	53,989,742	107,280,793.9	*****
65+	*****	32,317,181	88,950,890.9	*****
Naloxegol				
0-18	43	15,495,805	29,871,446.3	0.28
19-64	42,903	53,987,303	107,226,410.1	79.47
65+	36,891	32,313,897	88,903,626.6	114.16
Netupitant and Palonosetron				
0-18	*****	15,495,805	29,871,482.9	*****
19-64	982	53,989,698	107,279,933.4	1.82
65+	*****	32,317,141	88,950,428.5	*****

Table 5a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Nintedanib				
0-18	0	15,495,805	29,871,483.2	0.00
19-64	860	53,989,595	107,279,645.5	1.59
65+	8,935	32,316,386	88,938,187.6	27.65
Nivolumab				
0-18	18	15,495,803	29,871,464.1	0.12
19-64	9,554	53,988,632	107,273,269.7	17.70
65+	37,552	32,314,470	88,920,929.0	116.21
Olaparib				
0-18	*****	15,495,805	29,871,482.3	*****
19-64	*****	53,989,659	107,279,909.8	*****
65+	1,315	32,317,086	88,949,694.4	4.07
Olodaterol				
0-18	*****	15,495,805	29,871,481.4	*****
19-64	*****	53,989,646	107,279,231.2	*****
65+	3,290	32,316,919	88,945,886.2	10.18
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir				
0-18	*****	15,495,805	29,871,479.7	*****
19-64	3,005	53,989,685	107,275,649.6	5.57
65+	*****	32,316,975	88,948,837.1	*****
Oritavancin diphosphate				
0-18	15	15,495,805	29,871,470.6	0.10
19-64	1,708	53,989,707	107,279,023.2	3.16
65+	2,719	32,317,098	88,948,043.8	8.41
Peginterferon Beta-1A				
0-18	*****	15,495,803	29,871,471.6	*****
19-64	2,362	53,989,401	107,275,725.4	4.37
65+	*****	32,316,971	88,949,384.9	*****
Pembrolizumab				
0-18	11	15,495,804	29,871,472.5	0.07
19-64	4,881	53,989,265	107,277,486.8	4.37
65+	23,147	32,315,841	88,935,261.3	71.63
Peramivir				
0-18	0	15,495,805	29,871,483.2	0.00
19-64	*****	53,989,743	107,280,803.4	*****
65+	*****	32,317,181	88,950,882.6	*****
Pirfenidone				
0-18	*****	15,495,804	29,871,480.0	*****
19-64	*****	53,989,606	107,279,616.3	*****
65+	9,335	32,316,269	88,936,552.2	28.89

Table 5a. Summary of New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Eligible Members ¹	Eligible Member-Years ¹	New Users per 100,000 Eligible Members
Ramucirumab				
0-18	*****	15,495,805	29,871,482.0	*****
19-64	*****	53,989,608	107,279,711.4	*****
65+	4,760	32,316,851	88,947,618.4	14.73
Siltuximab				
0-18	*****	15,495,805	29,871,479.6	*****
19-64	38	53,989,734	107,280,745.3	0.07
65+	*****	32,317,173	88,950,852.5	*****
Sulfur Hexafluoride Lipid-Type A Microspheres				
0-18	15	15,495,805	29,871,471.2	0.10
19-64	5,174	53,989,665	107,277,035.3	9.58
65+	11,873	32,316,866	88,941,711.6	36.74
Suvorexant MK-4305				
0-18	160	15,495,795	29,871,349.1	1.03
19-64	44,624	53,987,121	107,222,317.3	82.66
65+	39,437	32,314,366	88,894,619.5	122.04
Tasimelteon				
0-18	*****	15,495,805	29,871,475.3	*****
19-64	737	53,989,683	107,279,544.9	1.37
65+	*****	32,317,097	88,950,351.9	*****
Tavaborole				
0-18	372	15,495,795	29,870,950.1	2.40
19-64	16,637	53,988,942	107,253,374.3	30.82
65+	8,541	32,316,094	88,934,566.3	26.43
Tedizolid phosphate				
0-18	13	15,495,804	29,871,473.0	0.08
19-64	1,456	53,989,700	107,278,829.1	2.70
65+	1,274	32,317,093	88,948,699.3	3.94
Vedolizumab				
0-18	290	15,495,769	29,871,180.8	1.87
19-64	8,550	53,987,854	107,267,699.9	15.84
65+	4,734	32,316,358	88,943,731.8	14.65
Vorapaxar sulfate				
0-18	0	15,495,805	29,871,483.2	0.00
19-64	579	53,989,672	107,280,056.1	1.07
65+	1,572	32,317,044	88,948,672.0	4.86

¹Eligible members and eligible member-years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 5b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Albiglutide					
0-18	16	*****	*****	0	0
19-64	17,984	5,276	11,536	1,172	0
65+	7,988	*****	*****	948	0
Apremilast					
0-18	150	62	75	13	0
19-64	23,660	9,651	12,084	1,925	0
65+	9,738	3,313	5,224	1,201	0
Belinostat					
0-18	0	0	0	0	0
19-64	27	*****	*****	*****	0
65+	96	*****	*****	0	0
Blinatumomab					
0-18	12	*****	*****	0	0
19-64	120	*****	*****	0	0
65+	62	*****	*****	*****	0
Ceftolozane/Tazobactam					
0-18	*****	*****	*****	0	0
19-64	439	278	*****	*****	0
65+	*****	*****	155	*****	0
Ceritinib					
0-18	*****	*****	0	0	0
19-64	*****	*****	92	26	0
65+	391	231	125	35	0
Dalbavancin					
0-18	12	*****	*****	0	0
19-64	2765	*****	*****	21	0
65+	4,610	2,533	2,059	18	0
Dapagliflozin					
0-18	37	17	*****	*****	0
19-64	70,108	29,802	29,856	10,450	0
65+	48741	22,601	*****	*****	0
Droxidopa					
0-18	19	16	*****	*****	0
19-64	880	370	*****	*****	0
65+	2,982	1,314	1,522	146	0

Table 5b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Dulaglutide					
0-18	105	60	*****	*****	0
19-64	102,035	57,681	42,817	1,537	0
65+	91,604	48,335	*****	*****	0
Efinaconazole					
0-18	1,366	395	762	209	0
19-64	56,017	17,807	30,722	7,488	0
65+	26,872	6,965	15,406	4,501	0
Eliglustat					
0-18	*****	*****	*****	0	0
19-64	84	*****	54	*****	0
65+	*****	*****	*****	*****	0
Elosulfase Alfa					
0-18	*****	*****	*****	*****	0
19-64	15	*****	*****	*****	0
65+	*****	*****	0	*****	0
Empagliflozin					
0-18	36	17	*****	*****	0
19-64	100,780	58,408	39,762	2,610	0
65+	80,558	49,454	*****	*****	0
Idelalisib					
0-18					
19-64	381	199	141	41	0
65+	1,911	937	813	161	0
Ledipasvir and Sofosbuvir					
0-18	46	18	*****	*****	0
19-64	76,386	21,108	45,184	10,094	0
65+	34,955	9,180	*****	*****	0
Metreleptin					
0-18	*****	*****	*****	*****	0
19-64	*****	*****	*****	*****	0
65+	*****	0	*****	0	0
Miltefosine					
0-18	*****	*****	*****	0	0
19-64	*****	*****	*****	0	0
65+	*****	*****	0	0	0

Table 5b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Naloxegol					
0-18	43	22	21	0	0
19-64	42,903	18,324	24,500	79	0
65+	36,891	16,708	20,150	33	0
Netupitant and Palonosetron					
0-18	*****	*****	0	0	0
19-64	982	648	*****	*****	0
65+	*****	*****	*****	*****	0
Nintedanib					
0-18	0	0	0	0	0
19-64	860	424	383	53	0
65+	8,935	4,020	4,444	471	0
Nivolumab					
0-18	18	*****	*****	0	0
19-64	9,554	6,972	*****	*****	0
65+	37,552	*****	10,366	*****	0
Olaparib					
0-18	*****	*****	0	0	0
19-64	*****	*****	323	16	0
65+	1,315	898	399	18	0
Olodaterol					
0-18	*****	*****	*****	0	0
19-64	*****	*****	*****	46	0
65+	3,290	1,084	2,061	145	0
Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir					
0-18	*****	*****	*****	0	0
19-64	3,005	804	1,948	253	0
65+	*****	*****	*****	118	0
Oritavancin diphosphate					
0-18	15	*****	*****	0	0
19-64	1,708	*****	*****	15	0
65+	2,719	1,508	1,189	22	0
Peginterferon Beta-1A					
0-18	*****	*****	*****	*****	0
19-64	2,362	542	1,269	551	0
65+	*****	*****	*****	*****	0

Table 5b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

Age Group (Years)	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Pembrolizumab					
0-18	11	*****	*****	0	0
19-64	4,881	*****	*****	49	0
65+	23,147	18,687	4,230	230	0
Peramivir					
0-18	0	0	0	0	0
19-64	*****	*****	0	0	0
65+	*****	*****	*****	0	0
Pirfenidone					
0-18	*****	*****	*****	0	0
19-64	*****	*****	*****	67	0
65+	9,335	3,888	4,743	704	0
Ramucirumab					
0-18	*****	0	*****	0	0
19-64	*****	1,413	*****	*****	0
65+	4760	3,864	*****	*****	0
Siltuximab					
0-18	*****	*****	*****	0	0
19-64	38	*****	19	*****	0
65+	*****	*****	*****	0	0
Sulfur Hexafluoride Lipid-Type A Microspheres					
0-18	15	*****	*****	0	0
19-64	5174	*****	*****	0	0
65+	11873	8,380	3,493	0	0
Suvorexant MK-4305					
0-18	160	78	*****	*****	0
19-64	44624	20,316	23,087	1,221	0
65+	39437	16,096	*****	*****	0
Tasimelteon					
0-18	*****	*****	*****	*****	0
19-64	737	292	306	139	0
65+	*****	*****	*****	*****	0
Tavaborole					
0-18	372	121	234	17	0
19-64	16637	5,343	10,102	1,192	0
65+	8541	2,048	5,681	812	0

Table 5b. Summary of Follow-Up Time for New Users of New Molecular Entities Approved in 2014 in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018, by Age Group

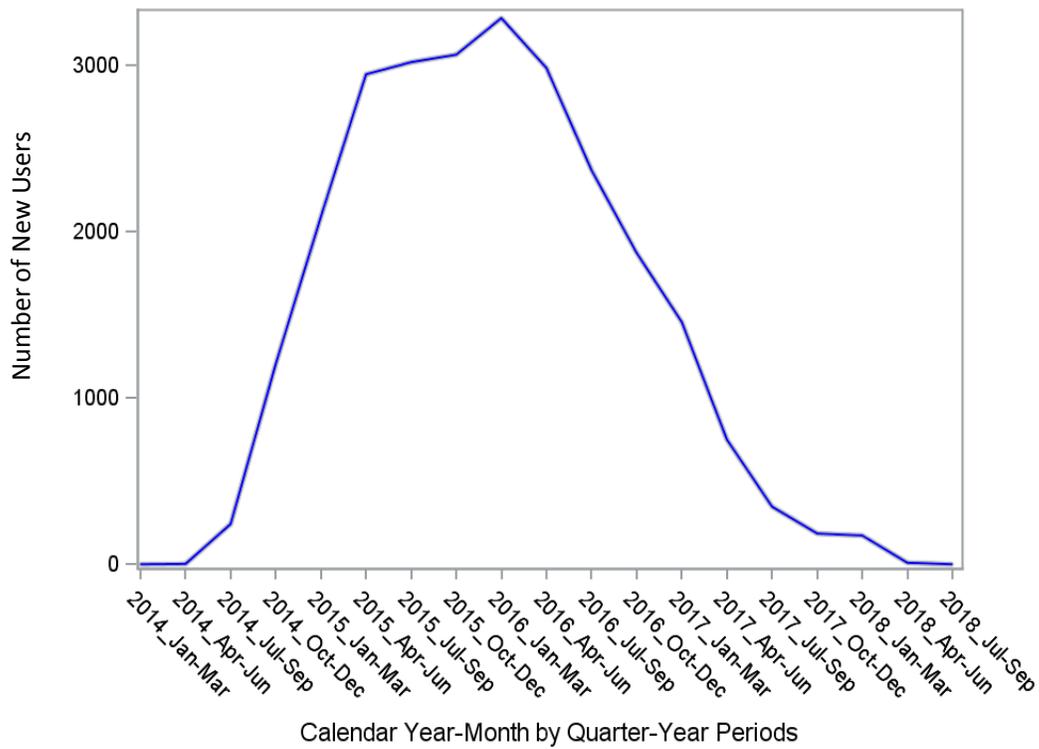
Age Group (Years)	Number of New Users	Counts of New Users by Length of Follow-Up Time in Years ¹			
		< 1	1-2	3-4	5+
Tedizolid phosphate					
0-18	13	*****	*****	*****	0
19-64	1456	719	541	196	0
65+	1274	*****	*****	*****	0
Vedolizumab					
0-18	290	140	136	14	0
19-64	8550	3,797	4,257	496	0
65+	4734	2,006	2,476	252	0
Vorapaxar sulfate					
0-18	0	0	0	0	0
19-64	579	285	272	22	0
65+	1572	744	767	61	0

¹Some follow-up time buckets were combined and converted to years during the reporting process. Below are the time buckets in days from the specifications and the corresponding time categories reported in years:

- 1-364 days = <1 year
- 365-729 and 730-1094 days = 1-2 years
- 1095-1459 and 1460-1824 days = 3-4 years
- 1825+ days = 5+ years

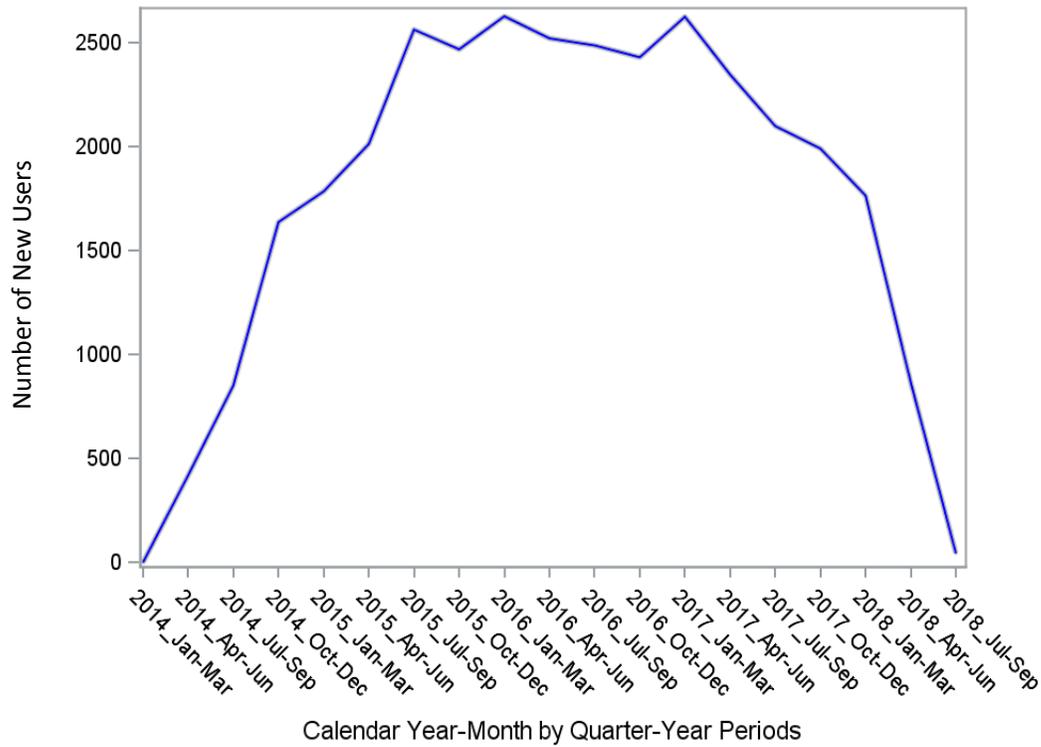
****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1a. Counts of New Albiglutide Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1b. Counts of New Apremilast Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1c. Counts of New Belinostat Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1d. Counts of New Blinatumomab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1e. Counts of New Ceftolozane/Tazobactam Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

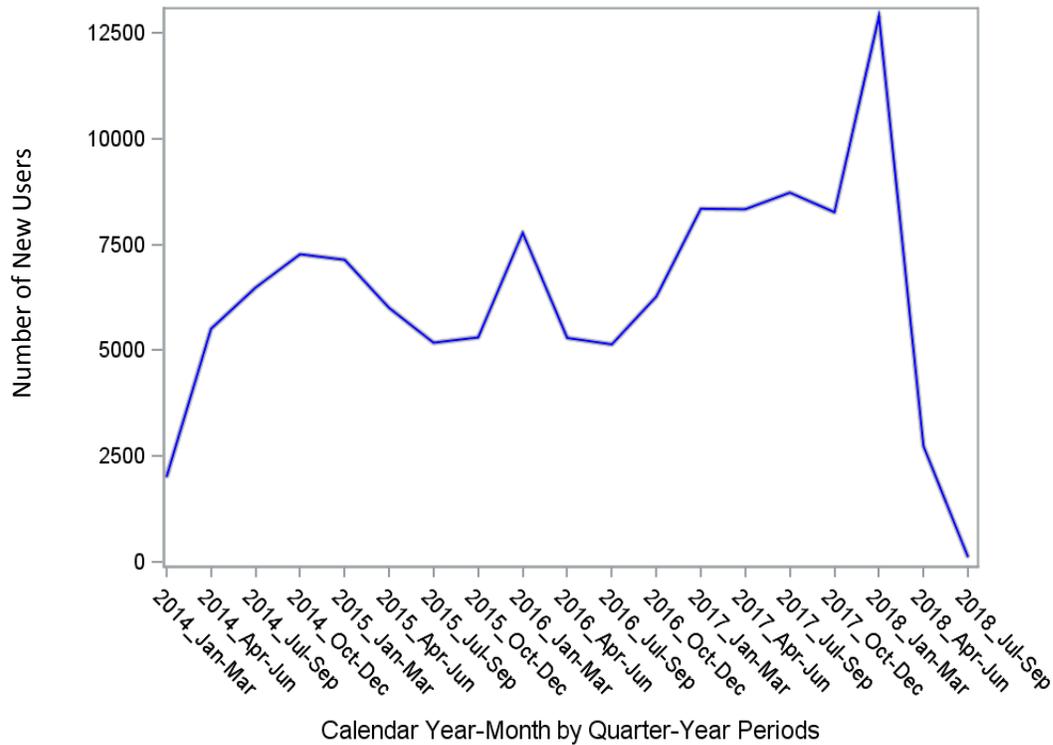
Figure 1f. Counts of New Ceritinib Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1g. Counts of New Dalbavancin Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

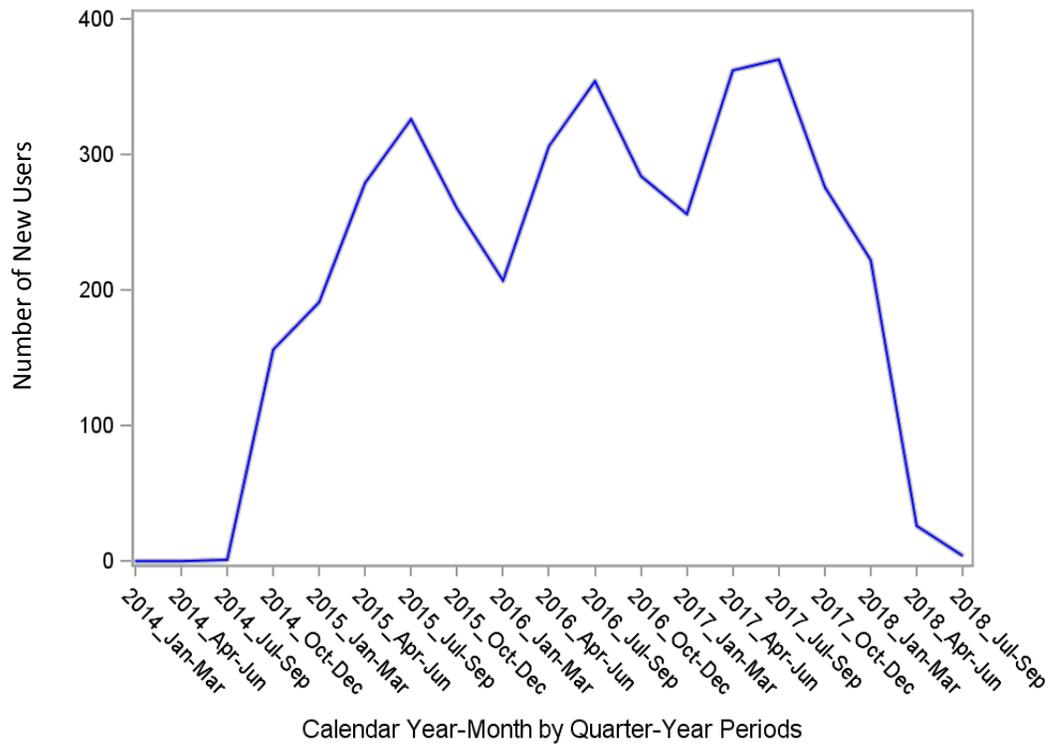
***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1h. Counts of New Dapagliflozin Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



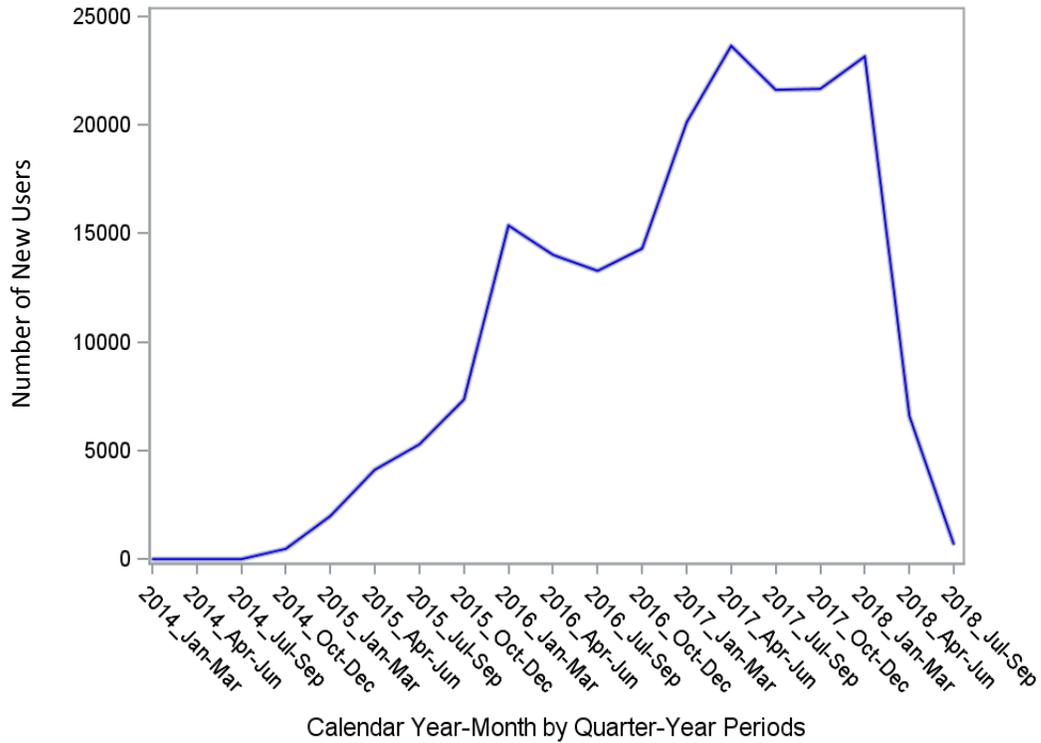
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1i. Counts of New Droxidopa Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



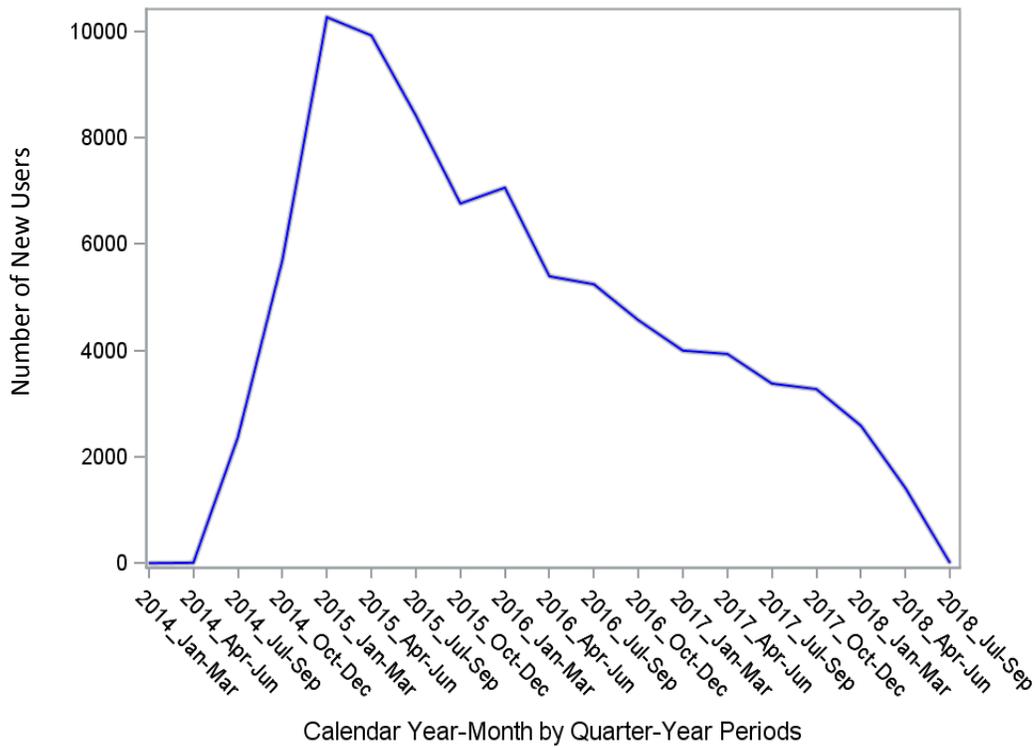
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1j. Counts of New Dulaglutide Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1k. Counts of New Efinaconazole Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

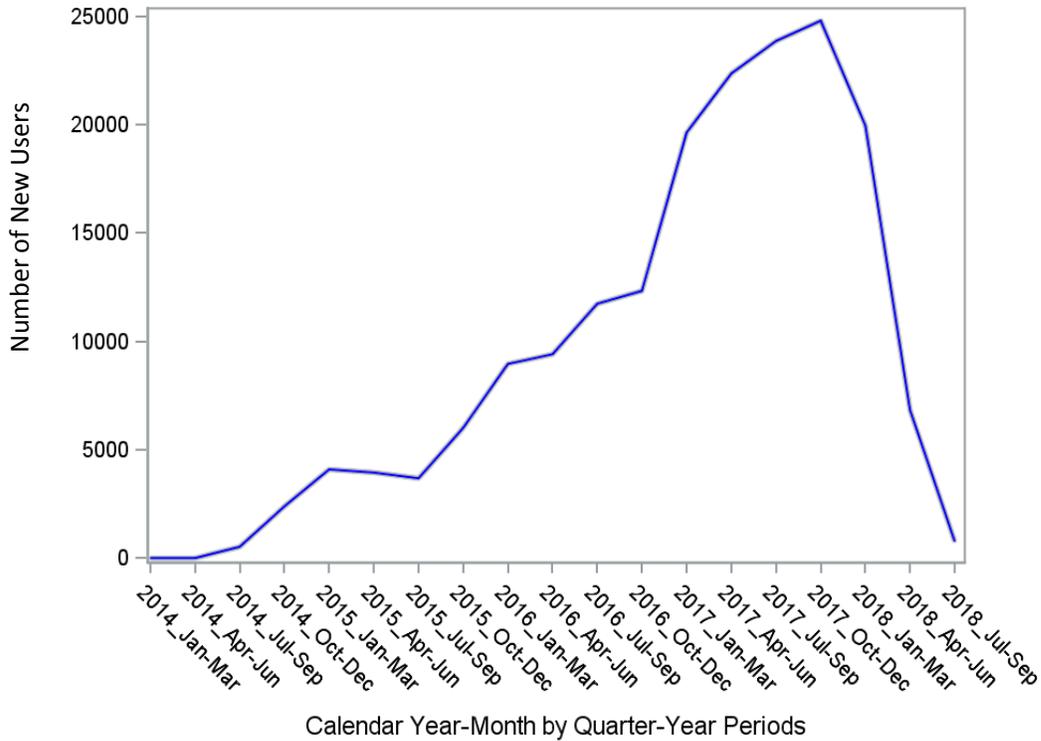
Figure 1I. Counts of New Eliglustat Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1m. Counts of New Elosulfase Alfa Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

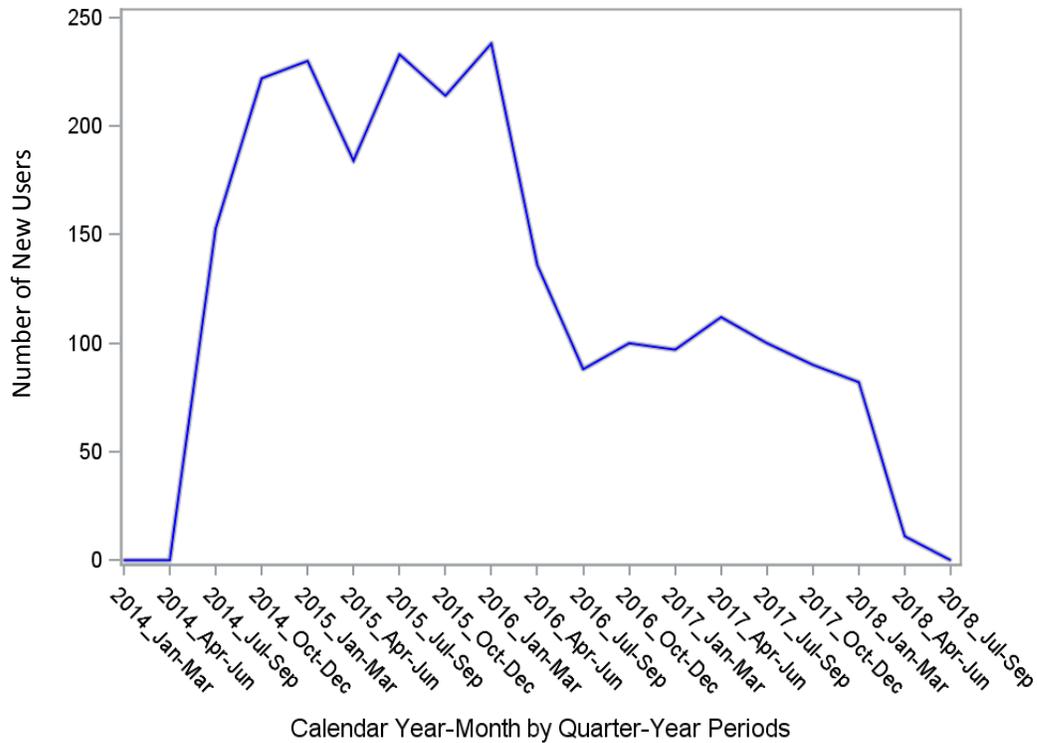
****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1n. Counts of New Empagliflozin Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



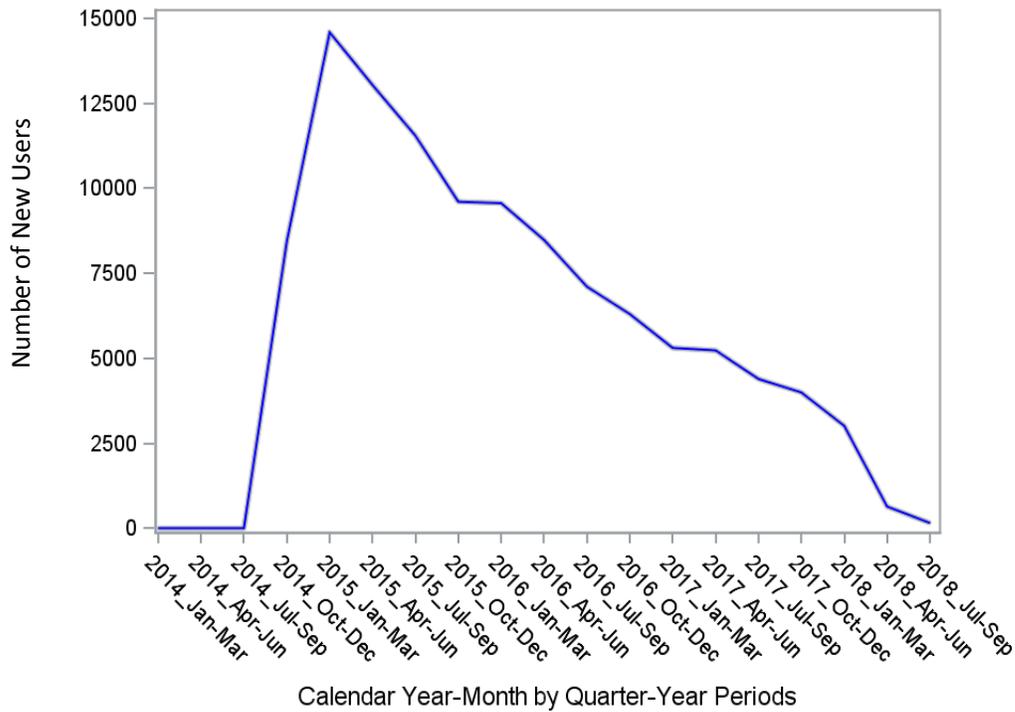
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1o. Counts of New Idelalisib Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1p. Counts of New Ledipasvir and Sofosbuvir Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

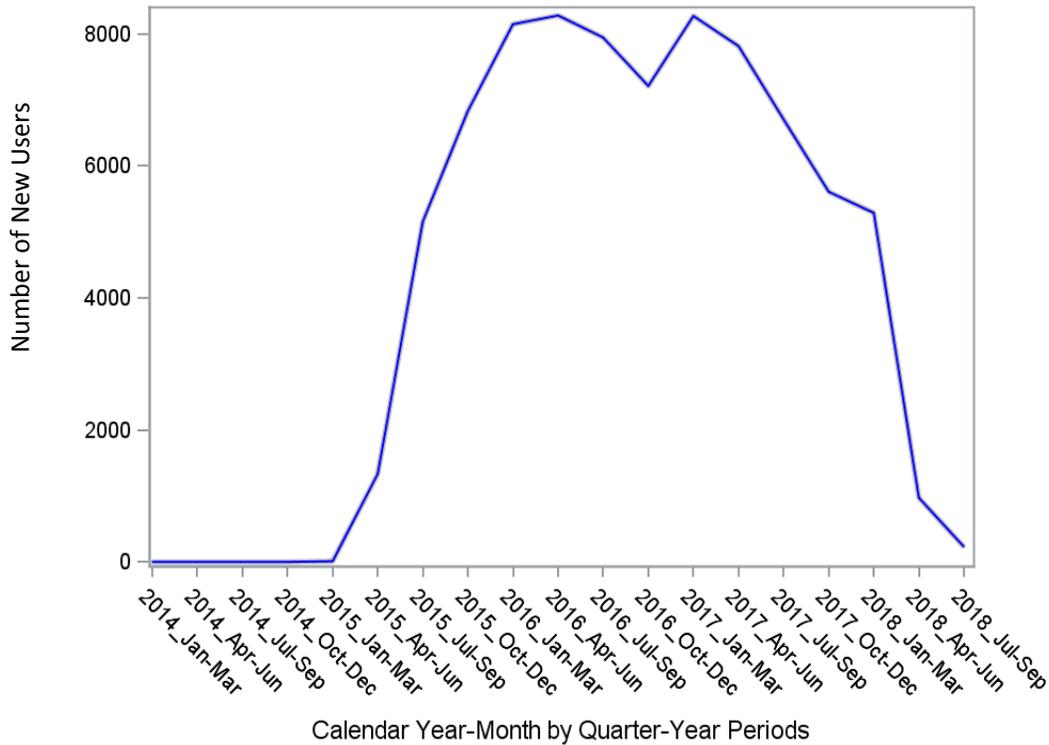
Figure 1q. Counts of New Metreleptin Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1r. Counts of New Miltefosine Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1s. Counts of New Naloxegol Oxalate Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹

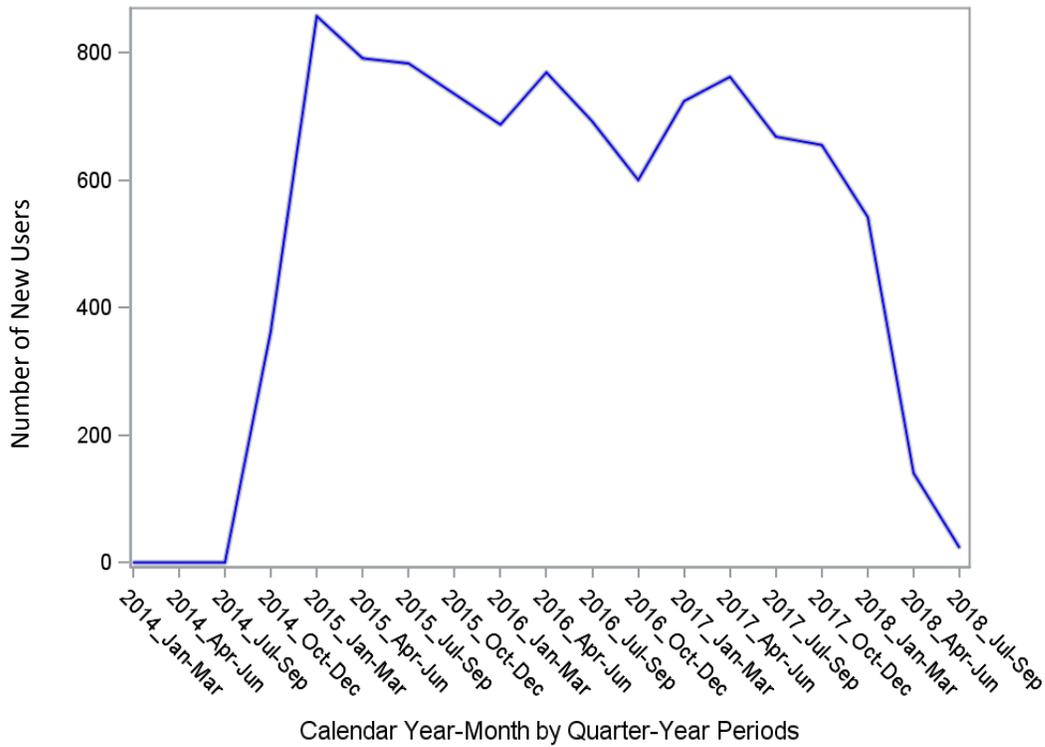


¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1t. Counts of New Netupitant and Palonosetron Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

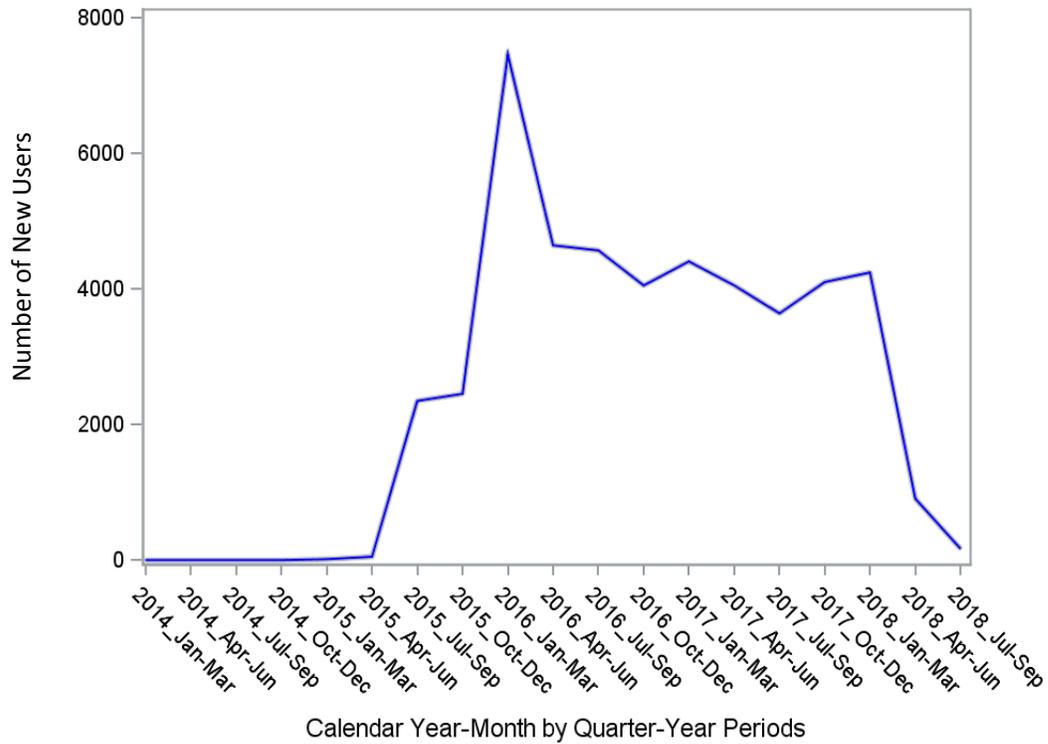
***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1u. Counts of New Nintedanib Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



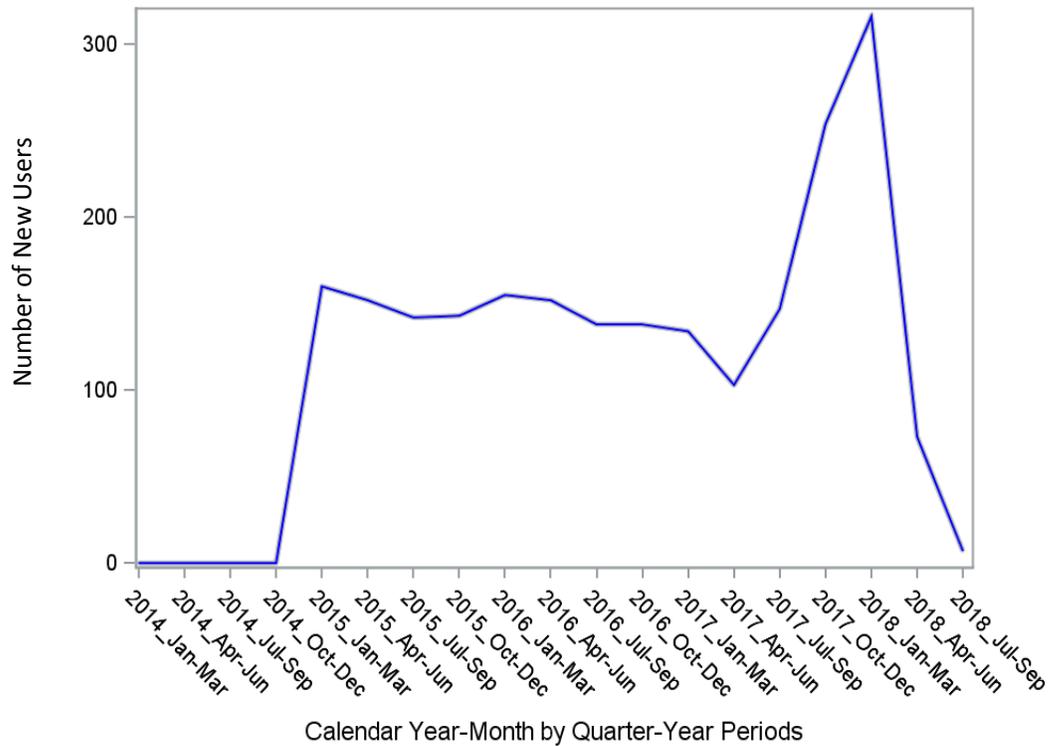
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1v. Counts of New Nivolumab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



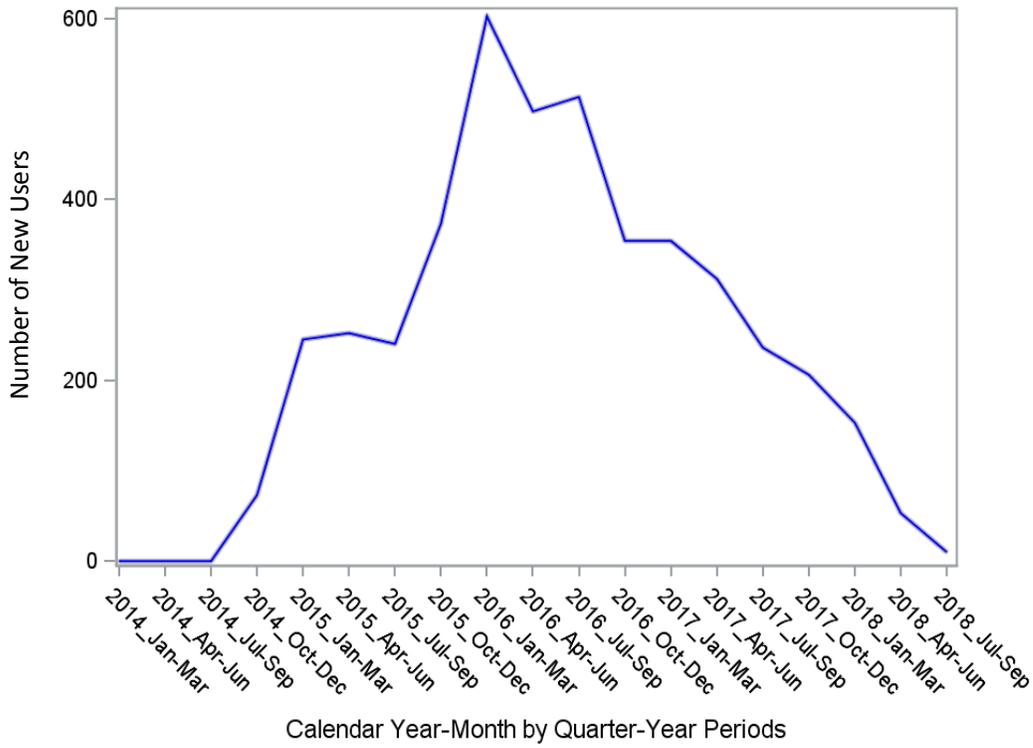
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1w. Counts of New Olaparib Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1x. Counts of New Olodaterol Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹

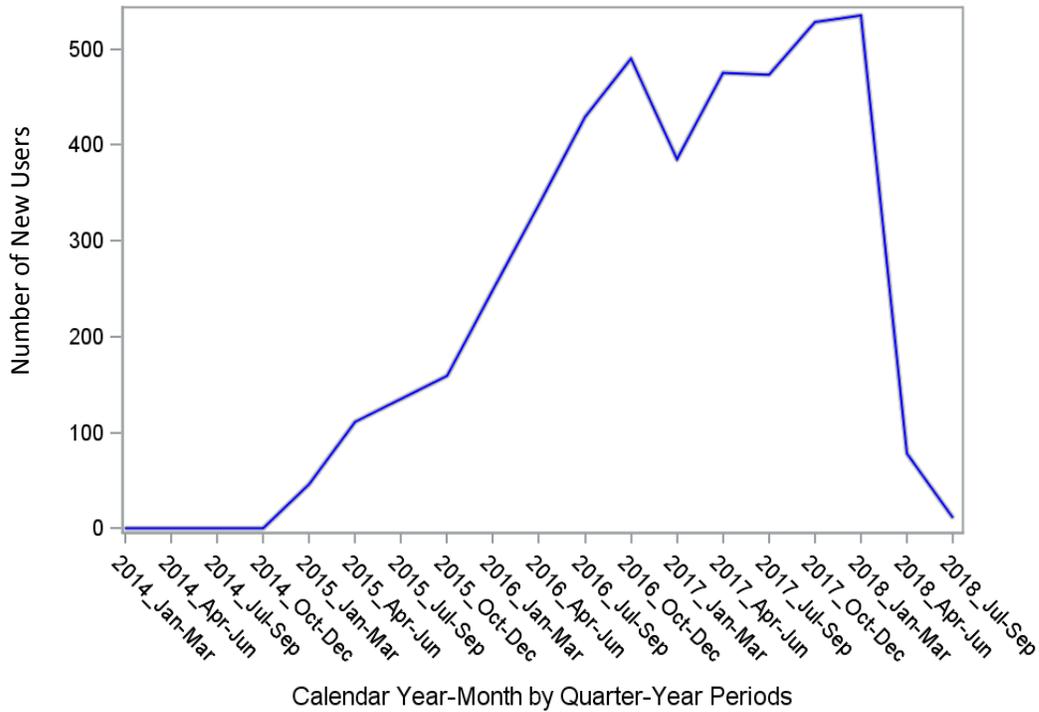


¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1y. Counts of New Ombitasvir, Paritaprevir, Ritonavir, and Dasabuvir Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

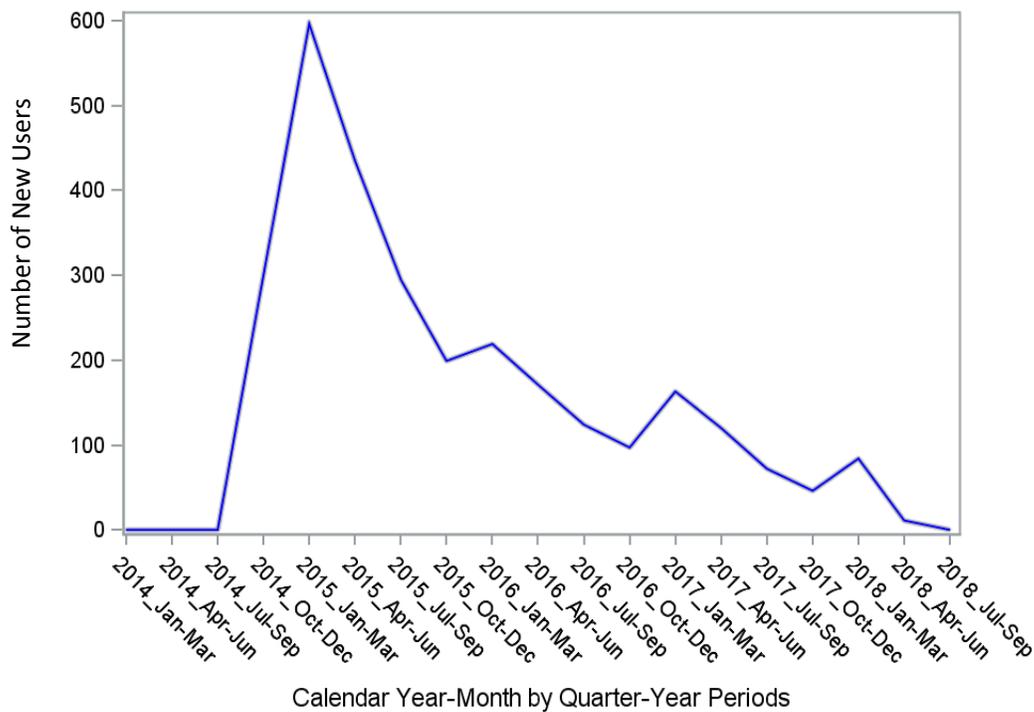
***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1z. Counts of New Oritavancin Diphosphate Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



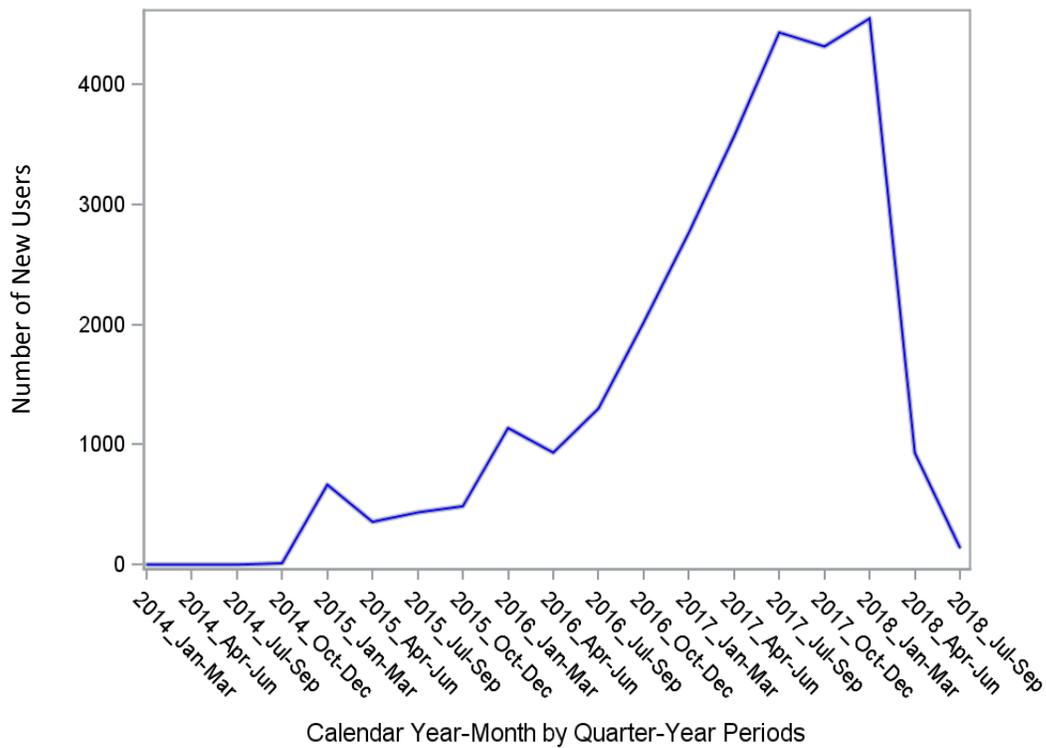
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1aa. Counts of New Peginterferon Beta-1a Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ab. Counts of New Pembrolizumab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹

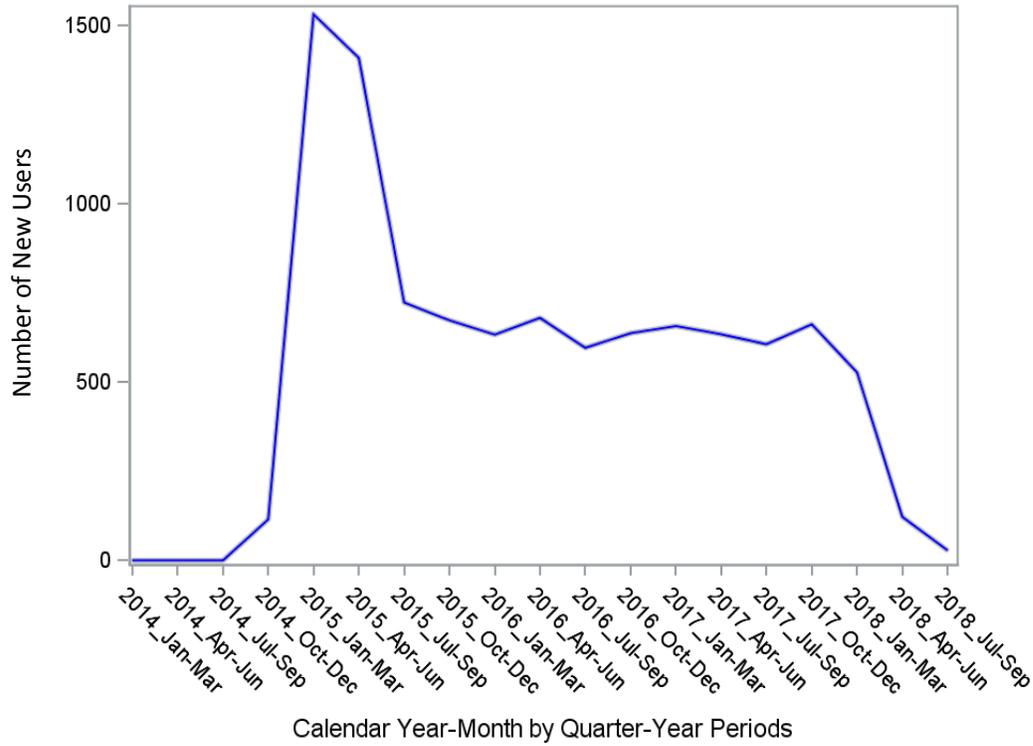


¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ac. Counts of New Peramivir Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

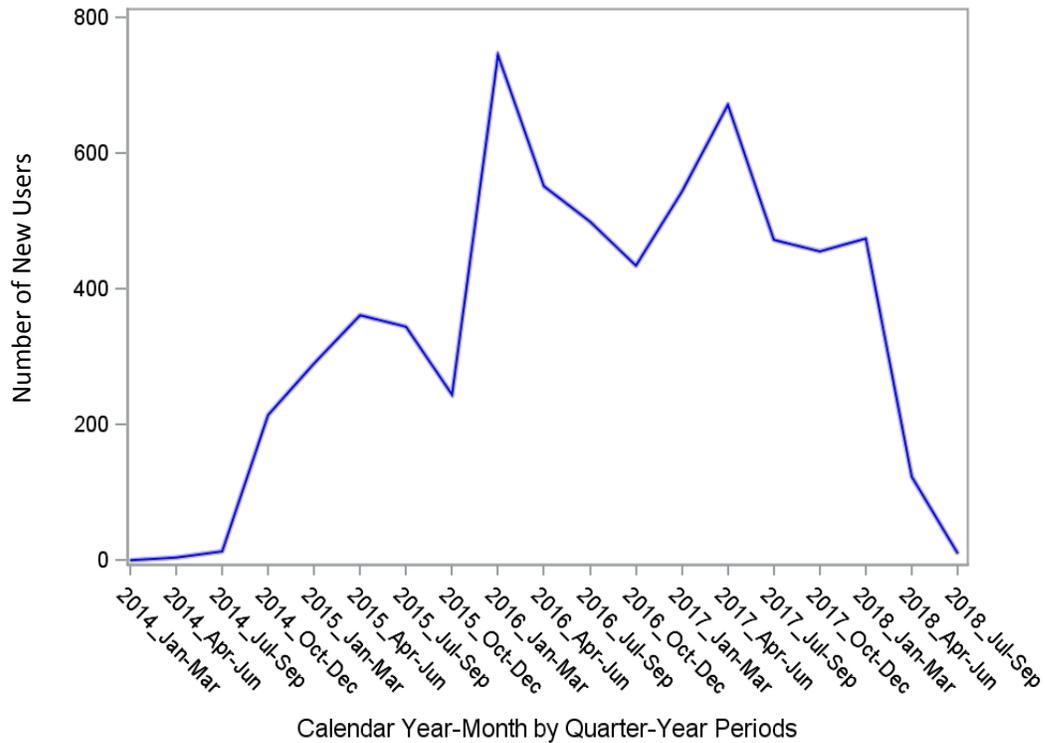
***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1ad. Counts of New Pirfenidone Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ae. Counts of New Ramucirumab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹

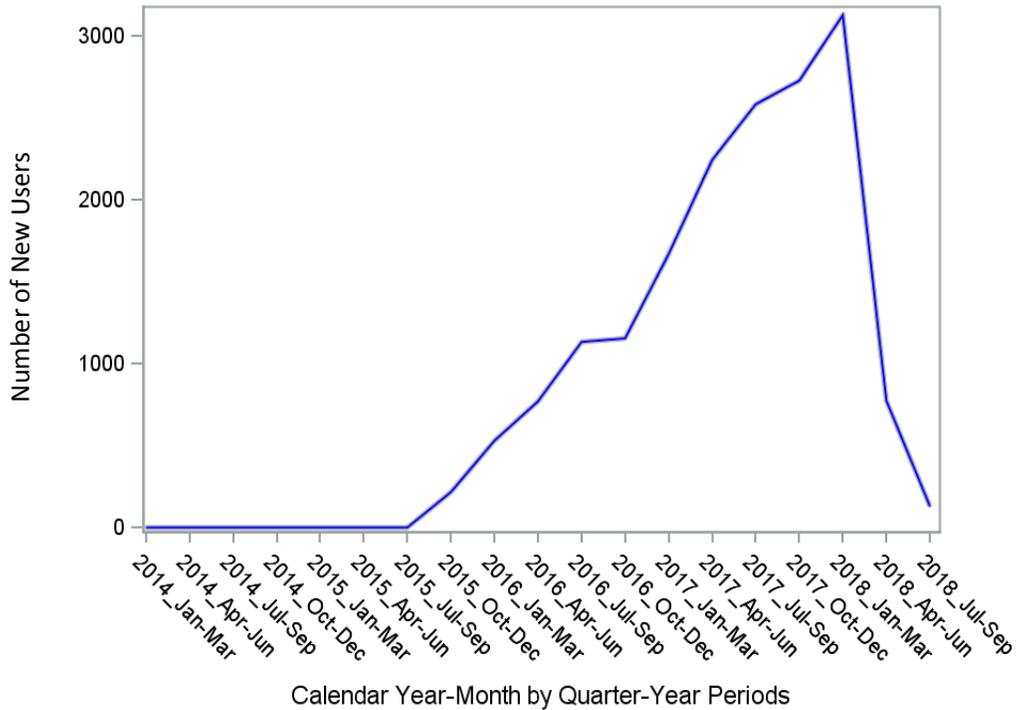


¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1af. Counts of New Siltuximab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018

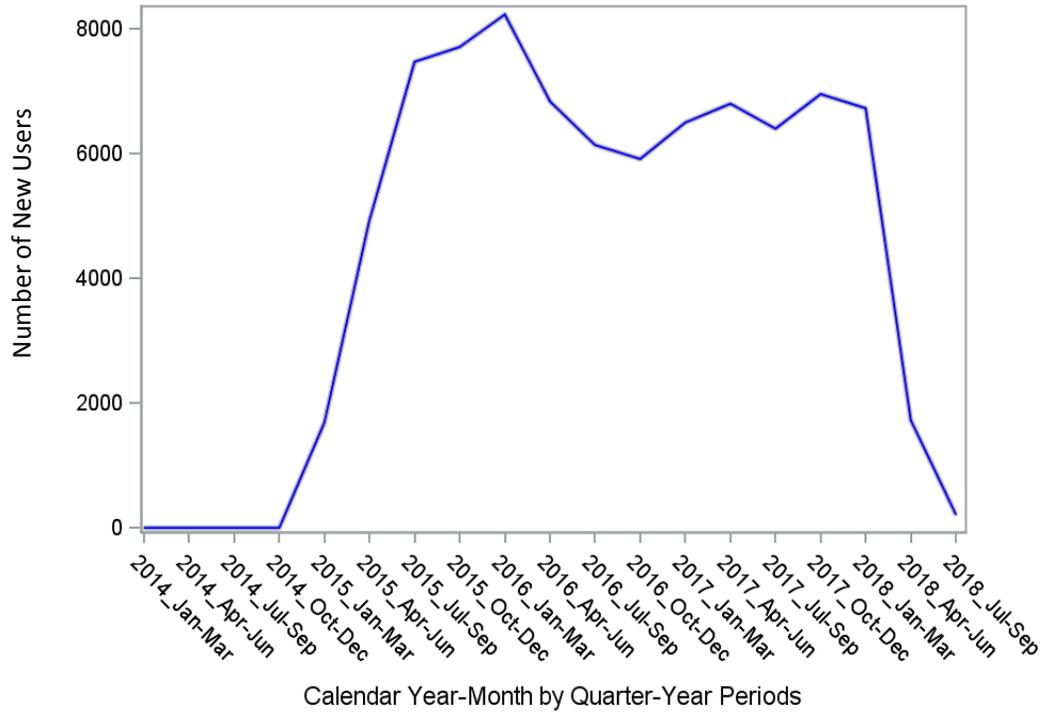
***Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Figure 1ag. Counts of New Sulfur Hexafluoride Lipid-Type A Microspheres Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



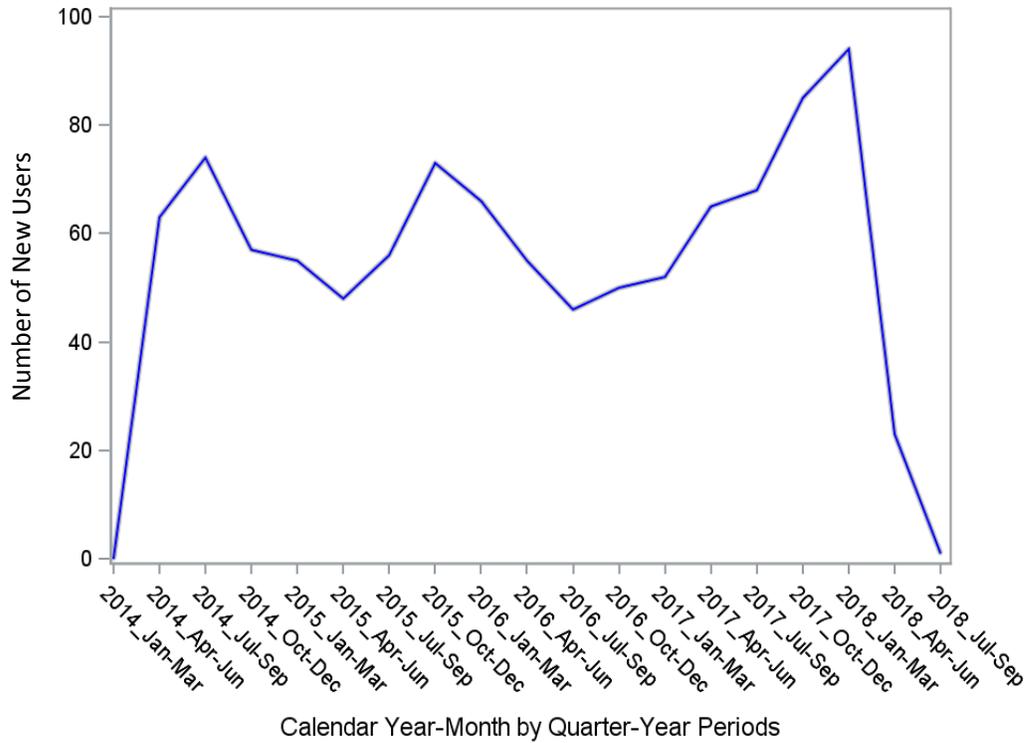
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ah. Counts of New Suvorexant Mk-4305 Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



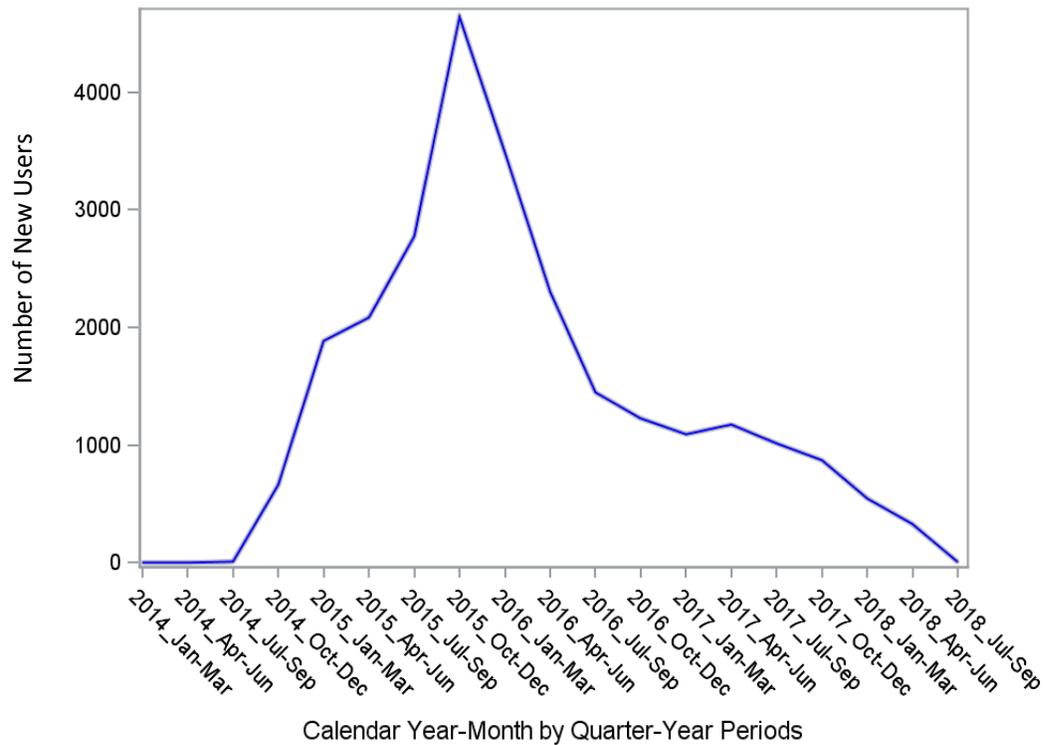
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ai. Counts of New Tasimelteon Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



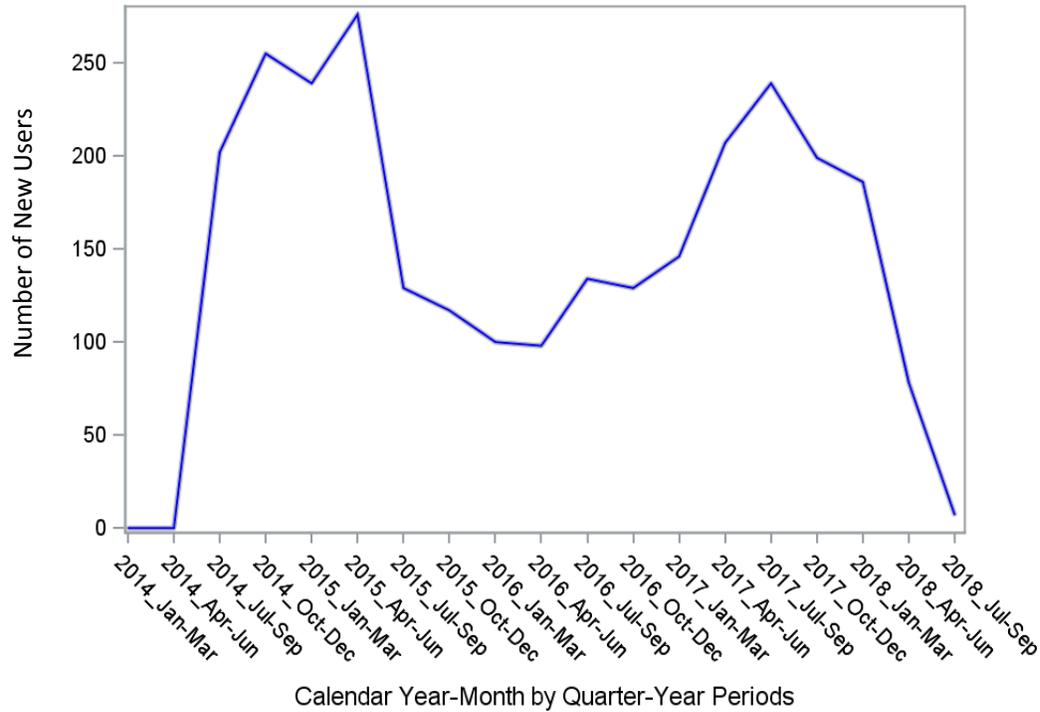
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1aj. Counts of New Tavaborole Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



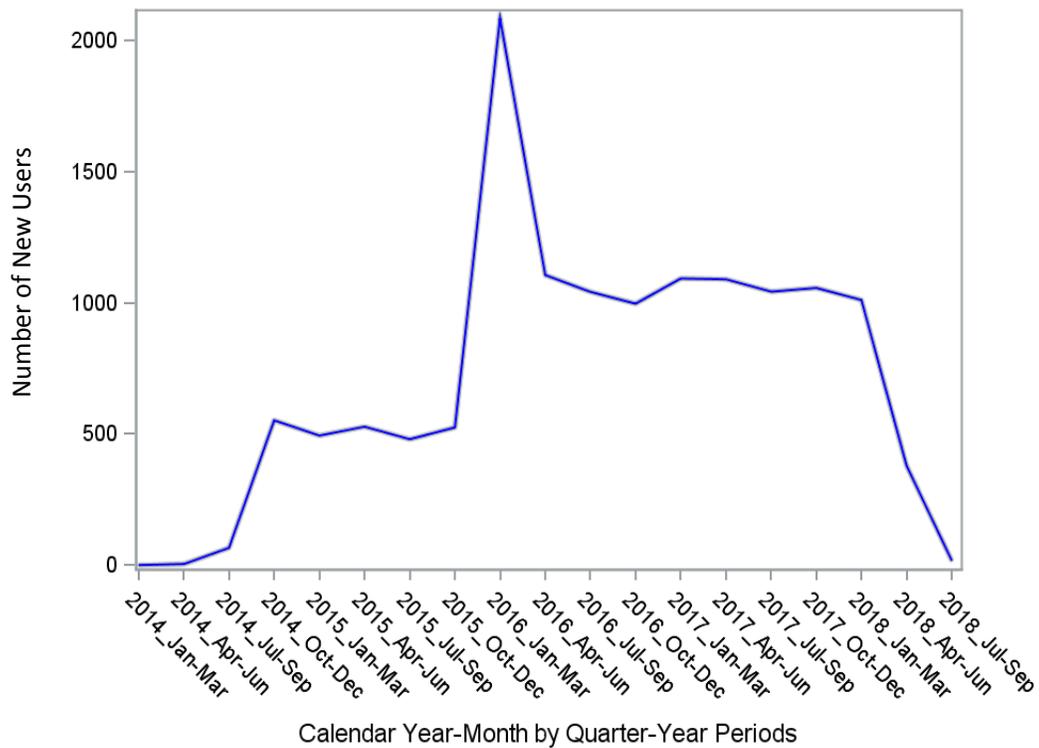
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1ak. Counts of New Tedizolid Phosphate Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



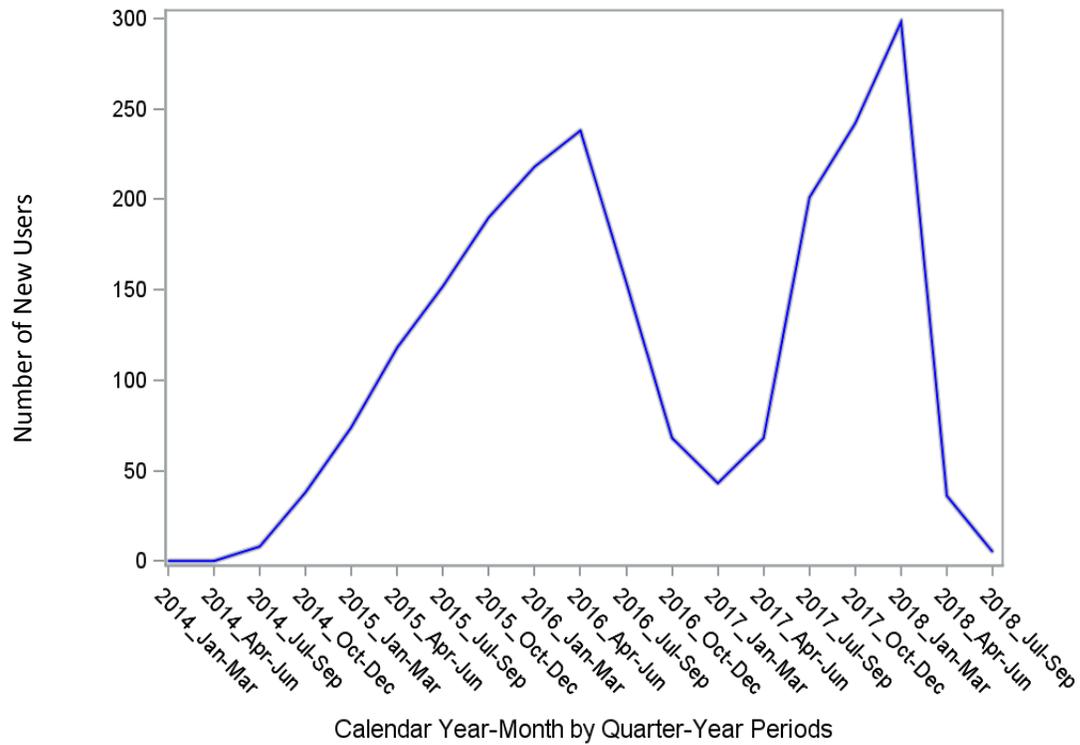
¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1I. Counts of New Vedolizumab Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Figure 1am. Counts of New Vorapaxar Users over Time in the Sentinel Distributed Database (SDD) between January 1, 2014 and August 31, 2018¹



¹Counts of number of new users per year could be influenced by various factors including availability of Data Partner data (Appendix A), market entries, and discontinuations of product

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (May 10, 2019)

DP ID	DP Start Date*	DP End Date*
DP01	06/01/2007	07/31/2018
DP02	01/01/2000	07/31/2017
DP03	01/01/2000	06/30/2018
DP04	01/01/2008	06/30/2018
DP05	01/01/2006	05/31/2018
DP06	01/01/2000	12/31/2017
DP07	01/01/2008	12/31/2017
DP08	01/01/2010	03/31/2018
DP09	01/01/2005	09/30/2017
DP10	01/01/2000	03/31/2016
DP11	01/01/2000	04/30/2018
DP12	01/01/2000	03/31/2018
DP13	01/01/2000	12/31/2017
DP14	01/01/2000	06/30/2018
DP15	01/01/2004	08/31/2018
DP16	01/01/2000	03/31/2018
DP17	01/01/2012	06/30/2017

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

Appendix B. List of Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures of Interest in this Request

Code	Description	Code Type
Belinostat		
C9442	Injection, belinostat, 10 mg	HCPCS
J9032	Injection, belinostat, 10 mg	HCPCS
Blinatumomab		
C9449	Injection, blinatumomab, 1 mcg	HCPCS
J9039	Injection, blinatumomab, 1 microgram	HCPCS
Ceftolozane and Tazobactam		
C9452	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS
J0695	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS
Dalbavancin		
C9443	Injection, dalbavancin, 10 mg	HCPCS
J0875	Injection, dalbavancin, 5 mg	HCPCS
Elosulfase Alfa		
C9022	Injection, elosulfase alfa, 1 mg	HCPCS
J1322	Injection, elosulfase alfa, 1 mg	HCPCS
Netupitant and Palonosetron		
C9448	Netupitant 300 mg and palonosetron 0.5 mg, oral	HCPCS
J8655	Netupitant 300 mg and palonosetron 0.5 mg	HCPCS
Q9978	Netupitant 300 mg and palonosetron 0.5 mg, oral	HCPCS
Nivolumab		
C9453	Injection, nivolumab, 1 mg	HCPCS
J9299	Injection, nivolumab, 1 mg	HCPCS
Oritavancin		
C9444	Injection, oritavancin, 10 mg	HCPCS
J2407	Injection, oritavancin, 10 mg	HCPCS
Pembrolizumab		
C9027	Injection, pembrolizumab, 1 mg	HCPCS
J9271	Injection, pembrolizumab, 1 mg	HCPCS
Peramivir		
C9451	Injection, peramivir, 1 mg	HCPCS
J2547	Injection, peramivir, 1 mg	HCPCS
Ramucirumab		
C9025	Injection, ramucirumab, 5 mg	HCPCS
J9308	Injection, ramucirumab, 5 mg	HCPCS
Siltuximab		
C9455	Injection, siltuximab, 10 mg	HCPCS
J2860	Injection, siltuximab, 10 mg	HCPCS
Sulfur Hexafluoride		
C9457	Injection, sulfur hexafluoride lipid microsphere, per ml	HCPCS
Q9950	Injection, sulfur hexafluoride lipid microspheres, per ml	HCPCS
Tedizolid Phosphate		
C9446	Injection, tedizolid phosphate, 1 mg	HCPCS
J3090	Injection, tedizolid phosphate, 1 mg	HCPCS

Appendix B. List of Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures of Interest in this Request

Code	Description	Code Type
Vedolizumab		
C9026	Injection, vedolizumab, 1 mg	HCPCS
J3380	Injection, vedolizumab, 1 mg	HCPCS

Appendix C. List of Generic and Brand Drug Names Used to Define Exposures of Interest in this Request

Generic Name	Brand Name
Albiglutide	
Albiglutide	Tanzeum
Apremilast	
Apremilast	Otezla
Apremilast	Otezla Starter
Belinostat	
Belinostat	Beleodaq
Blinatumomab	
Blinatumomab	Blinicyto
Ceftolozane Sulfate/Tazobactam Sodium	
Ceftolozane sulfate/tazobactam sodium	Zerbaxa
Ceritinib	
Ceritinib	Zykadia
Dalbavancin HCL	
Dalbavancin HCL	Dalvance
Dapagliflozin Propanediol	
Dapagliflozin propanediol	Farxiga
Droxidopa	
Droxidopa	Northera
Dulaglutide	
Dulaglutide	Trulicity
Efinaconazole	
Efinaconazole	Jublia
Eliglustat Tartrate	
Eliglustat tartrate	Cerdelga
Elosulfase Alfa	
Elosulfase alfa	Vimizim
Empagliflozin	
Empagliflozin	Jardiance
Idelalisib	
Idelalisib	Zydelig
Ledipasvir/Sofosbuvir	
Ledipasvir/sofosbuvir	Harvoni
Metreleptin	
Metreleptin	Myalept
Miltefosine	
Miltefosine	Impavido
Naloxegol Oxalate	
Naloxegol oxalate	Movantik
Netupitant/Palonosetron HCL	
Netupitant/palonosetron HCL	Akynzeo
Nintedanib Esylate	
Nintedanib esylate	Ofev
Nivolumab	
Nivolumab	Opdivo

Appendix C. List of Generic and Brand Drug Names Used to Define Exposures of Interest in this Request

Generic Name	Brand Name
Olaparib	
Olaparib	Lynparza
Olodaterol HCL	
Olodaterol HCL	Striverdi Respimat
Ombitasvir/Paritaprevir/Ritonavir/Dasabuvir Sodium	
Ombitasvir/paritaprevir/ritonavir/dasabuvir sodium	Viekira Xr
Ombitasvir/paritaprevir/ritonavir/dasabuvir sodium	Viekira Pak
Oritavancin Diphosphate	
Oritavancin diphosphate	Orbactiv
Peginterferon Beta-1A	
Peginterferon beta-1a	Plegridy
Pembrolizumab	
Pembrolizumab	Keytruda
Peramivir/PF	
Peramivir/pf	Rapivab
Pirfenidone	
Pirfenidone	Esbriet
Ramucirumab	
Ramucirumab	Cyramza
Siltuximab	
Siltuximab	Sylvant
Sulfur Hexafluoride Microspheres	
Sulfur hexafluoride microspheres	Lumason
Suvorexant	
Suvorexant	Belsomra
Tasimelteon	
Tasimelteon	Hetlioz
Tavaborole	
Tavaborole	Kerydin
Tedizolid Phosphate	
Tedizolid phosphate	Sivextro
Vedolizumab	
Vedolizumab	Entyvio
Vorapaxar Sulfate	
Vorapaxar sulfate	Zontivity

Appendix D. Algorithms Used to Define Baseline Characteristics in this Request

Characteristic	Algorithm Source	Caresetting/ Principal Diagnosis ¹	Evaluation Period Start	Evaluation Period End	Code Days ²
Acquired hypothyroidism	Chronic Conditions Data Warehouse (CCW) ³	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Acute myocardial infarction	CCW	IPP, IPS	-365	-1	1
Alcohol abuse or dependence	Other	Any	-365	-1	1
Alzheimer's disease and related dementias	CCW	Any	-365	-1	1
Anemia	CCW	Any	-365	-1	1
Asthma	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Atrial fibrillation	CCW	IPP, IPS	-365	-1	1
		AV, ED, OA	-365	-1	2
Benign prostatic hyperplasia	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Breast cancer	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Chronic kidney disease	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Chronic obstructive pulmonary disease and bronchiectasis	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Colorectal cancer	CCW	IP, IS	-365	-1	1
		AV, ED, OA	-365	-1	2
Depression	CCW	Any	-365	-1	1

Appendix D. Algorithms Used to Define Baseline Characteristics in this Request

Characteristic	Algorithm Source	Caresetting/ Principal Diagnosis ¹	Evaluation Period Start	Evaluation Period End	Code Days ²
Diabetes	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Drug abuse or dependence	Other	Any	-365	-1	1
Endometrial cancer	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Glaucoma	CCW	AV, ED, OA	-365	-1	1
Heart failure	CCW	IP, AV, ED	-365	-1	1
History of cardiac arrest	Other	Any	-365	-1	1
History of coronary angioplasty or bypass	Other	Any	-365	-1	1
Hyperlipidemia	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Hypertension	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Ischemic heart disease	CCW	Any	-365	-1	1
Lung cancer	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Obesity	Other	Any	-365	-1	1
Osteoporosis	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2
Overweight	Other	Any	-365	-1	1
Prostate cancer	CCW	IP, IS	-365	-1	1
			OR		
		AV, ED, OA	-365	-1	2

Appendix D. Algorithms Used to Define Baseline Characteristics in this Request

Characteristic	Algorithm Source	Caresetting/ Principal Diagnosis ¹	Evaluation Period Start	Evaluation Period End	Code Days ²
Rheumatoid arthritis/osteoarthritis	CCW	Any	-365	-1	2
Smoking	Other	Any	-365	-1	1
Stroke/transient ischemic attack	CCW	IP	-365	-1	1
		AV, ED, OA	-365	-1	2

¹Caresetting/Principal Diagnosis

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.

Principal Diagnosis - 'IPP' = inpatient principal diagnosis, 'IPS' = inpatient secondary diagnosis.

²The minimum number of times the characteristic should be found in the baseline period.

³Centers for Medicare and Medicaid Services. (2018). "Chronic Conditions Data Warehouse." Available at:

<https://www.ccwdata.org/web/guest/condition-categories>. Please note in this request some criteria for occurrence of claims to identify the conditions and reference periods have been modified from those specified in the CCW algorithm. For conditions requiring two separate code occurrences, two codes must occur within 365 days of the drug index date, not within 365 days of one another.

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
Acquired Hypothyroidism			
244.0	Postsurgical hypothyroidism	Diagnosis	ICD-9-CM
244.1	Other postablative hypothyroidism	Diagnosis	ICD-9-CM
244.2	Iodine hypothyroidism	Diagnosis	ICD-9-CM
244.3	Other iatrogenic hypothyroidism	Diagnosis	ICD-9-CM
244.8	Other specified acquired hypothyroidism	Diagnosis	ICD-9-CM
244.9	Unspecified hypothyroidism	Diagnosis	ICD-9-CM
E01.8	Other iodine-deficiency related thyroid disorders and allied conditions	Diagnosis	ICD-10-CM
E02	Subclinical iodine-deficiency hypothyroidism	Diagnosis	ICD-10-CM
E03.2	Hypothyroidism due to medicaments and other exogenous substances	Diagnosis	ICD-10-CM
E03.3	Postinfectious hypothyroidism	Diagnosis	ICD-10-CM
E03.8	Other specified hypothyroidism	Diagnosis	ICD-10-CM
E03.9	Hypothyroidism, unspecified	Diagnosis	ICD-10-CM
E89.0	Postprocedural hypothyroidism	Diagnosis	ICD-10-CM
Acute Myocardial Infarction			
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	Diagnosis	ICD-9-CM
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	Diagnosis	ICD-9-CM
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	Diagnosis	ICD-9-CM
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	Diagnosis	ICD-9-CM
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	Diagnosis	ICD-9-CM
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	Diagnosis	ICD-9-CM
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	Diagnosis	ICD-9-CM
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	Diagnosis	ICD-9-CM
410.81	Acute myocardial infarction of other specified sites, initial episode of care	Diagnosis	ICD-9-CM
410.91	Acute myocardial infarction, unspecified site, initial episode of care	Diagnosis	ICD-9-CM
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	Diagnosis	ICD-10-CM
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	Diagnosis	ICD-10-CM
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	Diagnosis	ICD-10-CM
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	Diagnosis	ICD-10-CM
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	Diagnosis	ICD-10-CM
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	Diagnosis	ICD-10-CM
I21.29	ST elevation (STEMI) myocardial infarction involving other sites	Diagnosis	ICD-10-CM
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
I21.4	Non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I21.9	Acute myocardial infarction, unspecified	Diagnosis	ICD-10-CM
I21.A1	Myocardial infarction type 2	Diagnosis	ICD-10-CM
I21.A9	Other myocardial infarction type	Diagnosis	ICD-10-CM
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	Diagnosis	ICD-10-CM
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites	Diagnosis	ICD-10-CM
I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
Alzheimer's Disease and Related Dementias			
290.0	Senile dementia, uncomplicated	Diagnosis	ICD-9-CM
290.10	Presenile dementia, uncomplicated	Diagnosis	ICD-9-CM
290.11	Presenile dementia with delirium	Diagnosis	ICD-9-CM
290.12	Presenile dementia with delusional features	Diagnosis	ICD-9-CM
290.13	Presenile dementia with depressive features	Diagnosis	ICD-9-CM
290.20	Senile dementia with delusional features	Diagnosis	ICD-9-CM
290.21	Senile dementia with depressive features	Diagnosis	ICD-9-CM
290.3	Senile dementia with delirium	Diagnosis	ICD-9-CM
290.40	Vascular dementia, uncomplicated	Diagnosis	ICD-9-CM
290.41	Vascular dementia, with delirium	Diagnosis	ICD-9-CM
290.42	Vascular dementia, with delusions	Diagnosis	ICD-9-CM
290.43	Vascular dementia, with depressed mood	Diagnosis	ICD-9-CM
294.0	Amnestic disorder in conditions classified elsewhere	Diagnosis	ICD-9-CM
294.10	Dementia in conditions classified elsewhere without behavioral disturbance	Diagnosis	ICD-9-CM
294.11	Dementia in conditions classified elsewhere with behavioral disturbance	Diagnosis	ICD-9-CM
294.20	Dementia, unspecified, without behavioral disturbance	Diagnosis	ICD-9-CM
294.21	Dementia, unspecified, with behavioral disturbance	Diagnosis	ICD-9-CM
294.8	Other persistent mental disorders due to conditions classified elsewhere	Diagnosis	ICD-9-CM
331.0	Alzheimer's disease	Diagnosis	ICD-9-CM
331.11	Pick's disease	Diagnosis	ICD-9-CM
331.19	Other frontotemporal dementia	Diagnosis	ICD-9-CM
331.2	Senile degeneration of brain	Diagnosis	ICD-9-CM
331.7	Cerebral degeneration in diseases classified elsewhere	Diagnosis	ICD-9-CM
797	Senility without mention of psychosis	Diagnosis	ICD-9-CM
F01.50	Vascular dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F01.51	Vascular dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F02.80	Dementia in other diseases classified elsewhere without behavioral disturbance	Diagnosis	ICD-10-CM
F02.81	Dementia in other diseases classified elsewhere with behavioral disturbance	Diagnosis	ICD-10-CM
F03.90	Unspecified dementia without behavioral disturbance	Diagnosis	ICD-10-CM
F03.91	Unspecified dementia with behavioral disturbance	Diagnosis	ICD-10-CM
F04	Amnestic disorder due to known physiological condition	Diagnosis	ICD-10-CM
F05	Delirium due to known physiological condition	Diagnosis	ICD-10-CM
F06.1	Catatonic disorder due to known physiological condition	Diagnosis	ICD-10-CM
F06.8	Other specified mental disorders due to known physiological condition	Diagnosis	ICD-10-CM
G13.8	Systemic atrophy primarily affecting central nervous system in other diseases classified elsewhere	Diagnosis	ICD-10-CM
G30.0	Alzheimer's disease with early onset	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
G30.1	Alzheimer's disease with late onset	Diagnosis	ICD-10-CM
G30.8	Other Alzheimer's disease	Diagnosis	ICD-10-CM
G30.9	Alzheimer's disease, unspecified	Diagnosis	ICD-10-CM
G31.01	Pick's disease	Diagnosis	ICD-10-CM
G31.09	Other frontotemporal dementia	Diagnosis	ICD-10-CM
G31.1	Senile degeneration of brain, not elsewhere classified	Diagnosis	ICD-10-CM
G31.2	Degeneration of nervous system due to alcohol	Diagnosis	ICD-10-CM
G94	Other disorders of brain in diseases classified elsewhere	Diagnosis	ICD-10-CM
R41.81	Age-related cognitive decline	Diagnosis	ICD-10-CM
R54	Age-related physical debility	Diagnosis	ICD-10-CM
Anemia			
280.0	Iron deficiency anemia secondary to blood loss (chronic)	Diagnosis	ICD-9-CM
280.1	Iron deficiency anemia secondary to inadequate dietary iron intake	Diagnosis	ICD-9-CM
280.8	Other specified iron deficiency anemias	Diagnosis	ICD-9-CM
280.9	Unspecified iron deficiency anemia	Diagnosis	ICD-9-CM
281.0	Pernicious anemia	Diagnosis	ICD-9-CM
281.1	Other vitamin B12 deficiency anemia	Diagnosis	ICD-9-CM
281.2	Folate-deficiency anemia	Diagnosis	ICD-9-CM
281.3	Other specified megaloblastic anemias not elsewhere classified	Diagnosis	ICD-9-CM
281.4	Protein-deficiency anemia	Diagnosis	ICD-9-CM
281.8	Anemia associated with other specified nutritional deficiency	Diagnosis	ICD-9-CM
281.9	Unspecified deficiency anemia	Diagnosis	ICD-9-CM
282.0	Hereditary spherocytosis	Diagnosis	ICD-9-CM
282.1	Hereditary elliptocytosis	Diagnosis	ICD-9-CM
282.2	Anemias due to disorders of glutathione metabolism	Diagnosis	ICD-9-CM
282.3	Other hemolytic anemias due to enzyme deficiency	Diagnosis	ICD-9-CM
282.40	Thalassemia, unspecified	Diagnosis	ICD-9-CM
282.41	Sickle-cell thalassemia without crisis	Diagnosis	ICD-9-CM
282.42	Sickle-cell thalassemia with crisis	Diagnosis	ICD-9-CM
282.43	Alpha thalassemia	Diagnosis	ICD-9-CM
282.44	Beta thalassemia	Diagnosis	ICD-9-CM
282.45	Delta-beta thalassemia	Diagnosis	ICD-9-CM
282.46	Thalassemia minor	Diagnosis	ICD-9-CM
282.47	Hemoglobin E-beta thalassemia	Diagnosis	ICD-9-CM
282.49	Other thalassemia	Diagnosis	ICD-9-CM
282.5	Sickle-cell trait	Diagnosis	ICD-9-CM
282.60	Sickle-cell disease, unspecified	Diagnosis	ICD-9-CM
282.61	Hb-SS disease without crisis	Diagnosis	ICD-9-CM
282.62	Hb-SS disease with crisis	Diagnosis	ICD-9-CM
282.63	Sickle-cell/Hb-C disease without crisis	Diagnosis	ICD-9-CM
282.64	Sickle-cell/Hb-C disease with crisis	Diagnosis	ICD-9-CM
282.68	Other sickle-cell disease without crisis	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
282.69	Other sickle-cell disease with crisis	Diagnosis	ICD-9-CM
282.7	Other hemoglobinopathies	Diagnosis	ICD-9-CM
282.8	Other specified hereditary hemolytic anemias	Diagnosis	ICD-9-CM
282.9	Unspecified hereditary hemolytic anemia	Diagnosis	ICD-9-CM
283.0	Autoimmune hemolytic anemias	Diagnosis	ICD-9-CM
283.10	Unspecified non-autoimmune hemolytic anemia	Diagnosis	ICD-9-CM
283.11	Hemolytic-uremic syndrome	Diagnosis	ICD-9-CM
283.19	Other non-autoimmune hemolytic anemias	Diagnosis	ICD-9-CM
283.2	Hemoglobinuria due to hemolysis from external causes	Diagnosis	ICD-9-CM
283.9	Acquired hemolytic anemia, unspecified	Diagnosis	ICD-9-CM
284.01	Constitutional red blood cell aplasia	Diagnosis	ICD-9-CM
284.09	Other constitutional aplastic anemia	Diagnosis	ICD-9-CM
284.11	Antineoplastic chemotherapy induced pancytopenia	Diagnosis	ICD-9-CM
284.12	Other drug induced pancytopenia	Diagnosis	ICD-9-CM
284.19	Other pancytopenia	Diagnosis	ICD-9-CM
284.2	Myelophthisis	Diagnosis	ICD-9-CM
284.81	Red cell aplasia (acquired) (adult) (with thymoma)	Diagnosis	ICD-9-CM
284.89	Other specified aplastic anemias	Diagnosis	ICD-9-CM
284.9	Unspecified aplastic anemia	Diagnosis	ICD-9-CM
285.0	Sideroblastic anemia	Diagnosis	ICD-9-CM
285.1	Acute posthemorrhagic anemia	Diagnosis	ICD-9-CM
285.21	Anemia in chronic kidney disease	Diagnosis	ICD-9-CM
285.22	Anemia in neoplastic disease	Diagnosis	ICD-9-CM
285.29	Anemia of other chronic disease	Diagnosis	ICD-9-CM
285.3	Antineoplastic chemotherapy induced anemia	Diagnosis	ICD-9-CM
285.8	Other specified anemias	Diagnosis	ICD-9-CM
285.9	Unspecified anemia	Diagnosis	ICD-9-CM
D50.0	Iron deficiency anemia secondary to blood loss (chronic)	Diagnosis	ICD-10-CM
D50.1	Sideropenic dysphagia	Diagnosis	ICD-10-CM
D50.8	Other iron deficiency anemias	Diagnosis	ICD-10-CM
D50.9	Iron deficiency anemia, unspecified	Diagnosis	ICD-10-CM
D51.0	Vitamin B12 deficiency anemia due to intrinsic factor deficiency	Diagnosis	ICD-10-CM
D51.1	Vitamin B12 deficiency anemia due to selective vitamin B12 malabsorption with proteinuria	Diagnosis	ICD-10-CM
D51.2	Transcobalamin II deficiency	Diagnosis	ICD-10-CM
D51.3	Other dietary vitamin B12 deficiency anemia	Diagnosis	ICD-10-CM
D51.8	Other vitamin B12 deficiency anemias	Diagnosis	ICD-10-CM
D51.9	Vitamin B12 deficiency anemia, unspecified	Diagnosis	ICD-10-CM
D52.0	Dietary folate deficiency anemia	Diagnosis	ICD-10-CM
D52.1	Drug-induced folate deficiency anemia	Diagnosis	ICD-10-CM
D52.8	Other folate deficiency anemias	Diagnosis	ICD-10-CM
D52.9	Folate deficiency anemia, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
D53.0	Protein deficiency anemia	Diagnosis	ICD-10-CM
D53.1	Other megaloblastic anemias, not elsewhere classified	Diagnosis	ICD-10-CM
D53.2	Scorbutic anemia	Diagnosis	ICD-10-CM
D53.8	Other specified nutritional anemias	Diagnosis	ICD-10-CM
D53.9	Nutritional anemia, unspecified	Diagnosis	ICD-10-CM
D55.0	Anemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency	Diagnosis	ICD-10-CM
D55.1	Anemia due to other disorders of glutathione metabolism	Diagnosis	ICD-10-CM
D55.2	Anemia due to disorders of glycolytic enzymes	Diagnosis	ICD-10-CM
D55.3	Anemia due to disorders of nucleotide metabolism	Diagnosis	ICD-10-CM
D55.8	Other anemias due to enzyme disorders	Diagnosis	ICD-10-CM
D55.9	Anemia due to enzyme disorder, unspecified	Diagnosis	ICD-10-CM
D56.0	Alpha thalassemia	Diagnosis	ICD-10-CM
D56.1	Beta thalassemia	Diagnosis	ICD-10-CM
D56.2	Delta-beta thalassemia	Diagnosis	ICD-10-CM
D56.3	Thalassemia minor	Diagnosis	ICD-10-CM
D56.4	Hereditary persistence of fetal hemoglobin [HPFH]	Diagnosis	ICD-10-CM
D56.5	Hemoglobin E-beta thalassemia	Diagnosis	ICD-10-CM
D56.8	Other thalassemias	Diagnosis	ICD-10-CM
D56.9	Thalassemia, unspecified	Diagnosis	ICD-10-CM
D57.00	Hb-SS disease with crisis, unspecified	Diagnosis	ICD-10-CM
D57.01	Hb-SS disease with acute chest syndrome	Diagnosis	ICD-10-CM
D57.02	Hb-SS disease with splenic sequestration	Diagnosis	ICD-10-CM
D57.1	Sickle-cell disease without crisis	Diagnosis	ICD-10-CM
D57.20	Sickle-cell/Hb-C disease without crisis	Diagnosis	ICD-10-CM
D57.211	Sickle-cell/Hb-C disease with acute chest syndrome	Diagnosis	ICD-10-CM
D57.212	Sickle-cell/Hb-C disease with splenic sequestration	Diagnosis	ICD-10-CM
D57.219	Sickle-cell/Hb-C disease with crisis, unspecified	Diagnosis	ICD-10-CM
D57.3	Sickle-cell trait	Diagnosis	ICD-10-CM
D57.40	Sickle-cell thalassemia without crisis	Diagnosis	ICD-10-CM
D57.411	Sickle-cell thalassemia with acute chest syndrome	Diagnosis	ICD-10-CM
D57.412	Sickle-cell thalassemia with splenic sequestration	Diagnosis	ICD-10-CM
D57.419	Sickle-cell thalassemia with crisis, unspecified	Diagnosis	ICD-10-CM
D57.80	Other sickle-cell disorders without crisis	Diagnosis	ICD-10-CM
D57.811	Other sickle-cell disorders with acute chest syndrome	Diagnosis	ICD-10-CM
D57.812	Other sickle-cell disorders with splenic sequestration	Diagnosis	ICD-10-CM
D57.819	Other sickle-cell disorders with crisis, unspecified	Diagnosis	ICD-10-CM
D58.0	Hereditary spherocytosis	Diagnosis	ICD-10-CM
D58.1	Hereditary elliptocytosis	Diagnosis	ICD-10-CM
D58.2	Other hemoglobinopathies	Diagnosis	ICD-10-CM
D58.8	Other specified hereditary hemolytic anemias	Diagnosis	ICD-10-CM
D58.9	Hereditary hemolytic anemia, unspecified	Diagnosis	ICD-10-CM
D59.0	Drug-induced autoimmune hemolytic anemia	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
D59.1	Other autoimmune hemolytic anemias	Diagnosis	ICD-10-CM
D59.2	Drug-induced nonautoimmune hemolytic anemia	Diagnosis	ICD-10-CM
D59.3	Hemolytic-uremic syndrome	Diagnosis	ICD-10-CM
D59.4	Other nonautoimmune hemolytic anemias	Diagnosis	ICD-10-CM
D59.5	Paroxysmal nocturnal hemoglobinuria [Marchiafava-Micheli]	Diagnosis	ICD-10-CM
D59.6	Hemoglobinuria due to hemolysis from other external causes	Diagnosis	ICD-10-CM
D59.8	Other acquired hemolytic anemias	Diagnosis	ICD-10-CM
D59.9	Acquired hemolytic anemia, unspecified	Diagnosis	ICD-10-CM
D60.0	Chronic acquired pure red cell aplasia	Diagnosis	ICD-10-CM
D60.1	Transient acquired pure red cell aplasia	Diagnosis	ICD-10-CM
D60.8	Other acquired pure red cell aplasias	Diagnosis	ICD-10-CM
D60.9	Acquired pure red cell aplasia, unspecified	Diagnosis	ICD-10-CM
D61.01	Constitutional (pure) red blood cell aplasia	Diagnosis	ICD-10-CM
D61.09	Other constitutional aplastic anemia	Diagnosis	ICD-10-CM
D61.1	Drug-induced aplastic anemia	Diagnosis	ICD-10-CM
D61.2	Aplastic anemia due to other external agents	Diagnosis	ICD-10-CM
D61.3	Idiopathic aplastic anemia	Diagnosis	ICD-10-CM
D61.810	Antineoplastic chemotherapy induced pancytopenia	Diagnosis	ICD-10-CM
D61.811	Other drug-induced pancytopenia	Diagnosis	ICD-10-CM
D61.818	Other pancytopenia	Diagnosis	ICD-10-CM
D61.82	Myelophthisis	Diagnosis	ICD-10-CM
D61.89	Other specified aplastic anemias and other bone marrow failure syndromes	Diagnosis	ICD-10-CM
D61.9	Aplastic anemia, unspecified	Diagnosis	ICD-10-CM
D62	Acute posthemorrhagic anemia	Diagnosis	ICD-10-CM
D63.0	Anemia in neoplastic disease	Diagnosis	ICD-10-CM
D63.1	Anemia in chronic kidney disease	Diagnosis	ICD-10-CM
D63.8	Anemia in other chronic diseases classified elsewhere	Diagnosis	ICD-10-CM
D64.0	Hereditary sideroblastic anemia	Diagnosis	ICD-10-CM
D64.1	Secondary sideroblastic anemia due to disease	Diagnosis	ICD-10-CM
D64.2	Secondary sideroblastic anemia due to drugs and toxins	Diagnosis	ICD-10-CM
D64.3	Other sideroblastic anemias	Diagnosis	ICD-10-CM
D64.4	Congenital dyserythropoietic anemia	Diagnosis	ICD-10-CM
D64.81	Anemia due to antineoplastic chemotherapy	Diagnosis	ICD-10-CM
D64.89	Other specified anemias	Diagnosis	ICD-10-CM
D64.9	Anemia, unspecified	Diagnosis	ICD-10-CM
Asthma			
493.00	Extrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.01	Extrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.02	Extrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.10	Intrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.11	Intrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.12	Intrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
493.20	Chronic obstructive asthma, unspecified	Diagnosis	ICD-9-CM
493.21	Chronic obstructive asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.22	Chronic obstructive asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.81	Exercise induced bronchospasm	Diagnosis	ICD-9-CM
493.82	Cough variant asthma	Diagnosis	ICD-9-CM
493.90	Asthma, unspecified, unspecified status	Diagnosis	ICD-9-CM
493.91	Asthma, unspecified with status asthmaticus	Diagnosis	ICD-9-CM
493.92	Asthma, unspecified, with (acute) exacerbation	Diagnosis	ICD-9-CM
J45.20	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.21	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.22	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.30	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.31	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.32	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.40	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.41	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.42	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.50	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.51	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.52	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.990	Exercise induced bronchospasm	Diagnosis	ICD-10-CM
J45.991	Cough variant asthma	Diagnosis	ICD-10-CM
J45.998	Other asthma	Diagnosis	ICD-10-CM
Atrial Fibrillation			
427.31	Atrial fibrillation	Diagnosis	ICD-9-CM
I48.2	Chronic atrial fibrillation	Diagnosis	ICD-10-CM
I48.0	Paroxysmal atrial fibrillation	Diagnosis	ICD-10-CM
I48.1	Persistent atrial fibrillation	Diagnosis	ICD-10-CM
I48.91	Unspecified atrial fibrillation	Diagnosis	ICD-10-CM
Benign Prostatic Hyperplasia			
600.00	Hypertrophy (benign) of prostate without urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM
600.01	Hypertrophy (benign) of prostate with urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM
600.10	Nodular prostate without urinary obstruction	Diagnosis	ICD-9-CM
600.11	Nodular prostate with urinary obstruction	Diagnosis	ICD-9-CM
600.20	Benign localized hyperplasia of prostate without urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
600.21	Benign localized hyperplasia of prostate with urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM
600.3	Cyst of prostate	Diagnosis	ICD-9-CM
600.90	Hyperplasia of prostate, unspecified, without urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM
600.91	Hyperplasia of prostate, unspecified, with urinary obstruction and other lower urinary tract symptoms [LUTS]	Diagnosis	ICD-9-CM
N40.0	Benign prostatic hyperplasia without lower urinary tract symptoms	Diagnosis	ICD-10-CM
N40.1	Benign prostatic hyperplasia with lower urinary tract symptoms	Diagnosis	ICD-10-CM
N40.2	Nodular prostate without lower urinary tract symptoms	Diagnosis	ICD-10-CM
N40.3	Nodular prostate with lower urinary tract symptoms	Diagnosis	ICD-10-CM
N42.83	Cyst of prostate	Diagnosis	ICD-10-CM
Chronic Kidney Disease			
016.00	Tuberculosis of kidney, confirmation unspecified	Diagnosis	ICD-9-CM
016.01	Tuberculosis of kidney, bacteriological or histological examination not done	Diagnosis	ICD-9-CM
016.02	Tuberculosis of kidney, bacteriological or histological examination unknown (at present)	Diagnosis	ICD-9-CM
016.03	Tuberculosis of kidney, tubercle bacilli found (in sputum) by microscopy	Diagnosis	ICD-9-CM
016.04	Tuberculosis of kidney, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	Diagnosis	ICD-9-CM
016.05	Tuberculosis of kidney, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	Diagnosis	ICD-9-CM
016.06	Tuberculosis of kidney, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	Diagnosis	ICD-9-CM
095.4	Syphilis of kidney	Diagnosis	ICD-9-CM
189.0	Malignant neoplasm of kidney, except pelvis	Diagnosis	ICD-9-CM
189.9	Malignant neoplasm of urinary organ, site unspecified	Diagnosis	ICD-9-CM
223.0	Benign neoplasm of kidney, except pelvis	Diagnosis	ICD-9-CM
236.91	Neoplasm of uncertain behavior of kidney and ureter	Diagnosis	ICD-9-CM
249.40	Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.41	Secondary diabetes mellitus with renal manifestations, uncontrolled	Diagnosis	ICD-9-CM
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
271.4	Renal glycosuria	Diagnosis	ICD-9-CM
274.10	Gouty nephropathy, unspecified	Diagnosis	ICD-9-CM
283.11	Hemolytic-uremic syndrome	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
440.1	Atherosclerosis of renal artery	Diagnosis	ICD-9-CM
442.1	Aneurysm of renal artery	Diagnosis	ICD-9-CM
572.4	Hepatorenal syndrome	Diagnosis	ICD-9-CM
580.0	Acute glomerulonephritis with lesion of proliferative glomerulonephritis	Diagnosis	ICD-9-CM
580.4	Acute glomerulonephritis with lesion of rapidly progressive glomerulonephritis	Diagnosis	ICD-9-CM
580.81	Acute glomerulonephritis with other specified pathological lesion in kidney in disease classified elsewhere	Diagnosis	ICD-9-CM
580.89	Other acute glomerulonephritis with other specified pathological lesion in	Diagnosis	ICD-9-CM
580.9	Acute glomerulonephritis with unspecified pathological lesion in kidney	Diagnosis	ICD-9-CM
581.0	Nephrotic syndrome with lesion of proliferative glomerulonephritis	Diagnosis	ICD-9-CM
581.1	Nephrotic syndrome with lesion of membranous glomerulonephritis	Diagnosis	ICD-9-CM
581.2	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	Diagnosis	ICD-9-CM
581.3	Nephrotic syndrome with lesion of minimal change glomerulonephritis	Diagnosis	ICD-9-CM
581.81	Nephrotic syndrome with other specified pathological lesion in kidney in diseases classified elsewhere	Diagnosis	ICD-9-CM
581.89	Other nephrotic syndrome with specified pathological lesion in kidney	Diagnosis	ICD-9-CM
581.9	Nephrotic syndrome with unspecified pathological lesion in kidney	Diagnosis	ICD-9-CM
582.0	Chronic glomerulonephritis with lesion of proliferative glomerulonephritis	Diagnosis	ICD-9-CM
582.1	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	Diagnosis	ICD-9-CM
582.2	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	Diagnosis	ICD-9-CM
582.4	Chronic glomerulonephritis with lesion of rapidly progressive glomerulonephritis	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
582.81	Chronic glomerulonephritis with other specified pathological lesion in kidney in diseases classified elsewhere	Diagnosis	ICD-9-CM
582.89	Other chronic glomerulonephritis with specified pathological lesion in kidney	Diagnosis	ICD-9-CM
582.9	Chronic glomerulonephritis with unspecified pathological lesion in kidney	Diagnosis	ICD-9-CM
583.0	Nephritis and nephropathy, not specified as acute or chronic, with lesion of proliferative glomerulonephritis	Diagnosis	ICD-9-CM
583.1	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranous glomerulonephritis	Diagnosis	ICD-9-CM
583.2	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	Diagnosis	ICD-9-CM
583.4	Nephritis and nephropathy, not specified as acute or chronic, with lesion of rapidly progressive glomerulonephritis	Diagnosis	ICD-9-CM
583.6	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal cortical necrosis	Diagnosis	ICD-9-CM
583.7	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal medullary necrosis	Diagnosis	ICD-9-CM
583.81	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney, in diseases classified elsewhere	Diagnosis	ICD-9-CM
583.89	Other nephritis and nephropathy, not specified as acute or chronic, with specified pathological lesion in kidney	Diagnosis	ICD-9-CM
583.9	Nephritis and nephropathy, not specified as acute or chronic, with unspecified pathological lesion in kidney	Diagnosis	ICD-9-CM
584.5	Acute kidney failure with lesion of tubular necrosis	Diagnosis	ICD-9-CM
584.6	Acute kidney failure with lesion of renal cortical necrosis	Diagnosis	ICD-9-CM
584.7	Acute kidney failure with lesion of medullary [papillary] necrosis	Diagnosis	ICD-9-CM
584.8	Acute kidney failure with other specified pathological lesion in kidney	Diagnosis	ICD-9-CM
584.9	Acute kidney failure, unspecified	Diagnosis	ICD-9-CM
585.1	Chronic kidney disease, Stage I	Diagnosis	ICD-9-CM
585.2	Chronic kidney disease, Stage II (mild)	Diagnosis	ICD-9-CM
585.3	Chronic kidney disease, Stage III (moderate)	Diagnosis	ICD-9-CM
585.4	Chronic kidney disease, Stage IV (severe)	Diagnosis	ICD-9-CM
585.5	Chronic kidney disease, Stage V	Diagnosis	ICD-9-CM
585.6	End stage renal disease	Diagnosis	ICD-9-CM
585.9	Chronic kidney disease, unspecified	Diagnosis	ICD-9-CM
586	Unspecified renal failure	Diagnosis	ICD-9-CM
587	Unspecified renal sclerosis	Diagnosis	ICD-9-CM
588.0	Renal osteodystrophy	Diagnosis	ICD-9-CM
588.1	Nephrogenic diabetes insipidus	Diagnosis	ICD-9-CM
588.81	Secondary hyperparathyroidism (of renal origin)	Diagnosis	ICD-9-CM
588.89	Other specified disorders resulting from impaired renal function	Diagnosis	ICD-9-CM
588.9	Unspecified disorder resulting from impaired renal function	Diagnosis	ICD-9-CM
591	Hydronephrosis	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
753.12	Congenital polycystic kidney, unspecified type	Diagnosis	ICD-9-CM
753.13	Congenital polycystic kidney, autosomal dominant	Diagnosis	ICD-9-CM
753.14	Congenital polycystic kidney, autosomal recessive	Diagnosis	ICD-9-CM
753.15	Congenital renal dysplasia	Diagnosis	ICD-9-CM
753.16	Congenital medullary cystic kidney	Diagnosis	ICD-9-CM
753.17	Congenital medullary sponge kidney	Diagnosis	ICD-9-CM
753.19	Other specified congenital cystic kidney disease	Diagnosis	ICD-9-CM
753.20	Unspecified obstructive defect of renal pelvis and ureter	Diagnosis	ICD-9-CM
753.21	Congenital obstruction of ureteropelvic junction	Diagnosis	ICD-9-CM
753.22	Congenital obstruction of ureterovesical junction	Diagnosis	ICD-9-CM
753.23	Congenital ureterocele	Diagnosis	ICD-9-CM
753.29	Other obstructive defect of renal pelvis and ureter	Diagnosis	ICD-9-CM
794.4	Nonspecific abnormal results of kidney function study	Diagnosis	ICD-9-CM
A18.11	Tuberculosis of kidney and ureter	Diagnosis	ICD-10-CM
A52.75	Syphilis of kidney and ureter	Diagnosis	ICD-10-CM
B52.0	Plasmodium malariae malaria with nephropathy	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
C68.9	Malignant neoplasm of urinary organ, unspecified	Diagnosis	ICD-10-CM
D30.00	Benign neoplasm of unspecified kidney	Diagnosis	ICD-10-CM
D30.01	Benign neoplasm of right kidney	Diagnosis	ICD-10-CM
D30.02	Benign neoplasm of left kidney	Diagnosis	ICD-10-CM
D41.00	Neoplasm of uncertain behavior of unspecified kidney	Diagnosis	ICD-10-CM
D41.01	Neoplasm of uncertain behavior of right kidney	Diagnosis	ICD-10-CM
D41.02	Neoplasm of uncertain behavior of left kidney	Diagnosis	ICD-10-CM
D41.10	Neoplasm of uncertain behavior of unspecified renal pelvis	Diagnosis	ICD-10-CM
D41.11	Neoplasm of uncertain behavior of right renal pelvis	Diagnosis	ICD-10-CM
D41.12	Neoplasm of uncertain behavior of left renal pelvis	Diagnosis	ICD-10-CM
D41.20	Neoplasm of uncertain behavior of unspecified ureter	Diagnosis	ICD-10-CM
D41.21	Neoplasm of uncertain behavior of right ureter	Diagnosis	ICD-10-CM
D41.22	Neoplasm of uncertain behavior of left ureter	Diagnosis	ICD-10-CM
D59.3	Hemolytic-uremic syndrome	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	Diagnosis	ICD-10-CM
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	Diagnosis	ICD-10-CM
E08.65	Diabetes mellitus due to underlying condition with hyperglycemia	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

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Code	Description	Code Category	Code Type
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
E10.65	Type 1 diabetes mellitus with hyperglycemia	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
E11.65	Type 2 diabetes mellitus with hyperglycemia	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
E74.8	Other specified disorders of carbohydrate metabolism	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
I70.1	Atherosclerosis of renal artery	Diagnosis	ICD-10-CM
I72.2	Aneurysm of renal artery	Diagnosis	ICD-10-CM
K76.7	Hepatorenal syndrome	Diagnosis	ICD-10-CM
M10.30	Gout due to renal impairment, unspecified site	Diagnosis	ICD-10-CM
M10.311	Gout due to renal impairment, right shoulder	Diagnosis	ICD-10-CM
M10.312	Gout due to renal impairment, left shoulder	Diagnosis	ICD-10-CM
M10.319	Gout due to renal impairment, unspecified shoulder	Diagnosis	ICD-10-CM
M10.321	Gout due to renal impairment, right elbow	Diagnosis	ICD-10-CM
M10.322	Gout due to renal impairment, left elbow	Diagnosis	ICD-10-CM
M10.329	Gout due to renal impairment, unspecified elbow	Diagnosis	ICD-10-CM
M10.331	Gout due to renal impairment, right wrist	Diagnosis	ICD-10-CM
M10.332	Gout due to renal impairment, left wrist	Diagnosis	ICD-10-CM
M10.339	Gout due to renal impairment, unspecified wrist	Diagnosis	ICD-10-CM
M10.341	Gout due to renal impairment, right hand	Diagnosis	ICD-10-CM
M10.342	Gout due to renal impairment, left hand	Diagnosis	ICD-10-CM
M10.349	Gout due to renal impairment, unspecified hand	Diagnosis	ICD-10-CM
M10.351	Gout due to renal impairment, right hip	Diagnosis	ICD-10-CM
M10.352	Gout due to renal impairment, left hip	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M10.359	Gout due to renal impairment, unspecified hip	Diagnosis	ICD-10-CM
M10.361	Gout due to renal impairment, right knee	Diagnosis	ICD-10-CM
M10.362	Gout due to renal impairment, left knee	Diagnosis	ICD-10-CM
M10.369	Gout due to renal impairment, unspecified knee	Diagnosis	ICD-10-CM
M10.371	Gout due to renal impairment, right ankle and foot	Diagnosis	ICD-10-CM
M10.372	Gout due to renal impairment, left ankle and foot	Diagnosis	ICD-10-CM
M10.379	Gout due to renal impairment, unspecified ankle and foot	Diagnosis	ICD-10-CM
M10.38	Gout due to renal impairment, vertebrae	Diagnosis	ICD-10-CM
M10.39	Gout due to renal impairment, multiple sites	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
M35.04	Sicca syndrome with tubulo-interstitial nephropathy	Diagnosis	ICD-10-CM
N00.0	Acute nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N00.1	Acute nephritic syndrome with focal and segmental glomerular lesions	Diagnosis	ICD-10-CM
N00.2	Acute nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N00.3	Acute nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N00.4	Acute nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N00.5	Acute nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N00.6	Acute nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N00.7	Acute nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N00.8	Acute nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N00.9	Acute nephritic syndrome with unspecified morphologic changes	Diagnosis	ICD-10-CM
N01.0	Rapidly progressive nephritic syndrome with minor glomerular abnormality	Diagnosis	ICD-10-CM
N01.1	Rapidly progressive nephritic syndrome with focal and segmental glomerular	Diagnosis	ICD-10-CM
N01.2	Rapidly progressive nephritic syndrome with diffuse membranous glomerulonephritis	Diagnosis	ICD-10-CM
N01.3	Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N01.4	Rapidly progressive nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	Diagnosis	ICD-10-CM
N01.5	Rapidly progressive nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	Diagnosis	ICD-10-CM
N01.6	Rapidly progressive nephritic syndrome with dense deposit disease	Diagnosis	ICD-10-CM
N01.7	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis	Diagnosis	ICD-10-CM
N01.8	Rapidly progressive nephritic syndrome with other morphologic changes	Diagnosis	ICD-10-CM
N01.9	Rapidly progressive nephritic syndrome with unspecified morphologic changes	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

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Code	Description	Code Category	Code Type
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
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	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

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Code	Description	Code Category	Code Type
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
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	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
N13.1	Hydronephrosis with ureteral stricture, not elsewhere classified	Diagnosis	ICD-10-CM
N13.2	Hydronephrosis with renal and ureteral calculous obstruction	Diagnosis	ICD-10-CM
N13.30	Unspecified hydronephrosis	Diagnosis	ICD-10-CM
N13.39	Other hydronephrosis	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

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Code	Description	Code Category	Code Type
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
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
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
Q61.02	Congenital multiple renal cysts	Diagnosis	ICD-10-CM
Q61.11	Cystic dilatation of collecting ducts	Diagnosis	ICD-10-CM
Q61.19	Other polycystic kidney, infantile type	Diagnosis	ICD-10-CM
Q61.2	Polycystic kidney, adult type	Diagnosis	ICD-10-CM
Q61.3	Polycystic kidney, unspecified	Diagnosis	ICD-10-CM
Q61.4	Renal dysplasia	Diagnosis	ICD-10-CM
Q61.5	Medullary cystic kidney	Diagnosis	ICD-10-CM
Q61.8	Other cystic kidney diseases	Diagnosis	ICD-10-CM
Q62.0	Congenital hydronephrosis	Diagnosis	ICD-10-CM
Q62.10	Congenital occlusion of ureter, unspecified	Diagnosis	ICD-10-CM
Q62.11	Congenital occlusion of ureteropelvic junction	Diagnosis	ICD-10-CM
Q62.12	Congenital occlusion of ureterovesical orifice	Diagnosis	ICD-10-CM
Q62.2	Congenital megaureter	Diagnosis	ICD-10-CM
Q62.31	Congenital ureterocele, orthotopic	Diagnosis	ICD-10-CM
Q62.32	Cecoureterocele	Diagnosis	ICD-10-CM
Q62.39	Other obstructive defects of renal pelvis and ureter	Diagnosis	ICD-10-CM
R94.4	Abnormal results of kidney function studies	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Chronic Obstructive Pulmonary Disease			
490	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-9-CM
491.0	Simple chronic bronchitis	Diagnosis	ICD-9-CM
491.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-9-CM
491.20	Obstructive chronic bronchitis, without exacerbation	Diagnosis	ICD-9-CM
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	Diagnosis	ICD-9-CM
491.22	Obstructive chronic bronchitis with acute bronchitis	Diagnosis	ICD-9-CM
491.8	Other chronic bronchitis	Diagnosis	ICD-9-CM
491.9	Unspecified chronic bronchitis	Diagnosis	ICD-9-CM
492.0	Emphysematous bleb	Diagnosis	ICD-9-CM
492.8	Other emphysema	Diagnosis	ICD-9-CM
494.0	Bronchiectasis without acute exacerbation	Diagnosis	ICD-9-CM
494.1	Bronchiectasis with acute exacerbation	Diagnosis	ICD-9-CM
496	Chronic airway obstruction, not elsewhere classified	Diagnosis	ICD-9-CM
J40	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-10-CM
J41.0	Simple chronic bronchitis	Diagnosis	ICD-10-CM
J41.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J41.8	Mixed simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J42	Unspecified chronic bronchitis	Diagnosis	ICD-10-CM
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	Diagnosis	ICD-10-CM
J43.1	Panlobular emphysema	Diagnosis	ICD-10-CM
J43.2	Centrilobular emphysema	Diagnosis	ICD-10-CM
J43.8	Other emphysema	Diagnosis	ICD-10-CM
J43.9	Emphysema, unspecified	Diagnosis	ICD-10-CM
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	Diagnosis	ICD-10-CM
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	Diagnosis	ICD-10-CM
J44.9	Chronic obstructive pulmonary disease, unspecified	Diagnosis	ICD-10-CM
J47.0	Bronchiectasis with acute lower respiratory infection	Diagnosis	ICD-10-CM
J47.1	Bronchiectasis with (acute) exacerbation	Diagnosis	ICD-10-CM
J47.9	Bronchiectasis, uncomplicated	Diagnosis	ICD-10-CM
Depression			
296.20	Major depressive disorder, single episode, unspecified	Diagnosis	ICD-9-CM
296.21	Major depressive disorder, single episode, mild	Diagnosis	ICD-9-CM
296.22	Major depressive disorder, single episode, moderate	Diagnosis	ICD-9-CM
296.23	Major depressive disorder, single episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.24	Major depressive disorder, single episode, severe, specified as with psychotic	Diagnosis	ICD-9-CM
296.25	Major depressive disorder, single episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.26	Major depressive disorder, single episode in full remission	Diagnosis	ICD-9-CM
296.30	Major depressive disorder, recurrent episode, unspecified	Diagnosis	ICD-9-CM
296.31	Major depressive disorder, recurrent episode, mild	Diagnosis	ICD-9-CM
296.32	Major depressive disorder, recurrent episode, moderate	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.36	Major depressive disorder, recurrent episode, in full remission	Diagnosis	ICD-9-CM
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	Diagnosis	ICD-9-CM
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	Diagnosis	ICD-9-CM
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	Diagnosis	ICD-9-CM
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified	Diagnosis	ICD-9-CM
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild	Diagnosis	ICD-9-CM
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate	Diagnosis	ICD-9-CM
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission	Diagnosis	ICD-9-CM
296.89	Other and unspecified bipolar disorders	Diagnosis	ICD-9-CM
298.0	Depressive type psychosis	Diagnosis	ICD-9-CM
300.4	Dysthymic disorder	Diagnosis	ICD-9-CM
309.1	Prolonged depressive reaction as adjustment reaction	Diagnosis	ICD-9-CM
311	Depressive disorder, not elsewhere classified	Diagnosis	ICD-9-CM
F31.30	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified	Diagnosis	ICD-10-CM
F31.31	Bipolar disorder, current episode depressed, mild	Diagnosis	ICD-10-CM
F31.32	Bipolar disorder, current episode depressed, moderate	Diagnosis	ICD-10-CM
F31.4	Bipolar disorder, current episode depressed, severe, without psychotic features	Diagnosis	ICD-10-CM
F31.5	Bipolar disorder, current episode depressed, severe, with psychotic features	Diagnosis	ICD-10-CM
F31.60	Bipolar disorder, current episode mixed, unspecified	Diagnosis	ICD-10-CM
F31.61	Bipolar disorder, current episode mixed, mild	Diagnosis	ICD-10-CM
F31.62	Bipolar disorder, current episode mixed, moderate	Diagnosis	ICD-10-CM
F31.63	Bipolar disorder, current episode mixed, severe, without psychotic features	Diagnosis	ICD-10-CM
F31.64	Bipolar disorder, current episode mixed, severe, with psychotic features	Diagnosis	ICD-10-CM
F31.75	Bipolar disorder, in partial remission, most recent episode depressed	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F31.76	Bipolar disorder, in full remission, most recent episode depressed	Diagnosis	ICD-10-CM
F31.77	Bipolar disorder, in partial remission, most recent episode mixed	Diagnosis	ICD-10-CM
F31.78	Bipolar disorder, in full remission, most recent episode mixed	Diagnosis	ICD-10-CM
F31.81	Bipolar II disorder	Diagnosis	ICD-10-CM
F32.0	Major depressive disorder, single episode, mild	Diagnosis	ICD-10-CM
F32.1	Major depressive disorder, single episode, moderate	Diagnosis	ICD-10-CM
F32.2	Major depressive disorder, single episode, severe without psychotic features	Diagnosis	ICD-10-CM
F32.3	Major depressive disorder, single episode, severe with psychotic features	Diagnosis	ICD-10-CM
F32.4	Major depressive disorder, single episode, in partial remission	Diagnosis	ICD-10-CM
F32.5	Major depressive disorder, single episode, in full remission	Diagnosis	ICD-10-CM
F32.9	Major depressive disorder, single episode, unspecified	Diagnosis	ICD-10-CM
F33.0	Major depressive disorder, recurrent, mild	Diagnosis	ICD-10-CM
F33.1	Major depressive disorder, recurrent, moderate	Diagnosis	ICD-10-CM
F33.2	Major depressive disorder, recurrent severe without psychotic features	Diagnosis	ICD-10-CM
F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms	Diagnosis	ICD-10-CM
F33.40	Major depressive disorder, recurrent, in remission, unspecified	Diagnosis	ICD-10-CM
F33.41	Major depressive disorder, recurrent, in partial remission	Diagnosis	ICD-10-CM
F33.42	Major depressive disorder, recurrent, in full remission	Diagnosis	ICD-10-CM
F33.8	Other recurrent depressive disorders	Diagnosis	ICD-10-CM
F33.9	Major depressive disorder, recurrent, unspecified	Diagnosis	ICD-10-CM
F34.1	Dysthymic disorder	Diagnosis	ICD-10-CM
F43.21	Adjustment disorder with depressed mood	Diagnosis	ICD-10-CM
F43.23	Adjustment disorder with mixed anxiety and depressed mood	Diagnosis	ICD-10-CM
Diabetes			
249.00	Secondary diabetes mellitus without mention of complication, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.01	Secondary diabetes mellitus without mention of complication, uncontrolled	Diagnosis	ICD-9-CM
249.10	Secondary diabetes mellitus with ketoacidosis, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.11	Secondary diabetes mellitus with ketoacidosis, uncontrolled	Diagnosis	ICD-9-CM
249.20	Secondary diabetes mellitus with hyperosmolarity, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.21	Secondary diabetes mellitus with hyperosmolarity, uncontrolled	Diagnosis	ICD-9-CM
249.30	Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.31	Secondary diabetes mellitus with other coma, uncontrolled	Diagnosis	ICD-9-CM
249.40	Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.41	Secondary diabetes mellitus with renal manifestations, uncontrolled	Diagnosis	ICD-9-CM
249.50	Secondary diabetes mellitus with ophthalmic manifestations, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.51	Secondary diabetes mellitus with ophthalmic manifestations, uncontrolled	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
249.60	Secondary diabetes mellitus with neurological manifestations, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.61	Secondary diabetes mellitus with neurological manifestations, uncontrolled	Diagnosis	ICD-9-CM
249.70	Secondary diabetes mellitus with peripheral circulatory disorders, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.71	Secondary diabetes mellitus with peripheral circulatory disorders, uncontrolled	Diagnosis	ICD-9-CM
249.80	Secondary diabetes mellitus with other specified manifestations, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.81	Secondary diabetes mellitus with other specified manifestations, uncontrolled	Diagnosis	ICD-9-CM
249.90	Secondary diabetes mellitus with unspecified complication, not stated as uncontrolled, or unspecified	Diagnosis	ICD-9-CM
249.91	Secondary diabetes mellitus with unspecified complication, uncontrolled	Diagnosis	ICD-9-CM
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
357.2	Polyneuropathy in diabetes	Diagnosis	ICD-9-CM
362.01	Background diabetic retinopathy	Diagnosis	ICD-9-CM
362.02	Proliferative diabetic retinopathy	Diagnosis	ICD-9-CM
362.03	Nonproliferative diabetic retinopathy NOS	Diagnosis	ICD-9-CM
362.04	Mild nonproliferative diabetic retinopathy	Diagnosis	ICD-9-CM
362.05	Moderate nonproliferative diabetic retinopathy	Diagnosis	ICD-9-CM
362.06	Severe nonproliferative diabetic retinopathy	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
366.41	Diabetic cataract	Diagnosis	ICD-9-CM
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	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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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	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
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

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
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
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

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
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
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

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
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

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Code	Description	Code Category	Code Type
E10.351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular	Diagnosis	ICD-10-CM
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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, right eye	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

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
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
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,	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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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	Diagnosis	ICD-10-CM
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with	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

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Code	Description	Code Category	Code Type
E13.622	Other specified diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
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
Glaucoma			
362.85	Retinal nerve fiber bundle defects	Diagnosis	ICD-9-CM
365.00	Unspecified preglaucoma	Diagnosis	ICD-9-CM
365.01	Borderline glaucoma, open angle with borderline findings, low risk	Diagnosis	ICD-9-CM
365.02	Borderline glaucoma with anatomical narrow angle	Diagnosis	ICD-9-CM
365.03	Borderline glaucoma with steroid responders	Diagnosis	ICD-9-CM
365.04	Borderline glaucoma with ocular hypertension	Diagnosis	ICD-9-CM
365.10	Unspecified open-angle glaucoma	Diagnosis	ICD-9-CM
365.11	Primary open-angle glaucoma	Diagnosis	ICD-9-CM
365.12	Low tension open-angle glaucoma	Diagnosis	ICD-9-CM
365.13	Pigmentary open-angle glaucoma	Diagnosis	ICD-9-CM
365.15	Residual stage of open angle glaucoma	Diagnosis	ICD-9-CM
365.20	Unspecified primary angle-closure glaucoma	Diagnosis	ICD-9-CM
365.21	Intermittent angle-closure glaucoma	Diagnosis	ICD-9-CM
365.22	Acute angle-closure glaucoma	Diagnosis	ICD-9-CM
365.23	Chronic angle-closure glaucoma	Diagnosis	ICD-9-CM
365.24	Residual stage of angle-closure glaucoma	Diagnosis	ICD-9-CM
365.31	Corticosteroid-induced glaucoma, glaucomatous stage	Diagnosis	ICD-9-CM
365.32	Corticosteroid-induced glaucoma, residual stage	Diagnosis	ICD-9-CM
365.41	Glaucoma associated with chamber angle anomalies	Diagnosis	ICD-9-CM
365.42	Glaucoma associated with anomalies of iris	Diagnosis	ICD-9-CM
365.43	Glaucoma associated with other anterior segment anomalies	Diagnosis	ICD-9-CM
365.51	Phacolytic glaucoma	Diagnosis	ICD-9-CM
365.52	Pseudoexfoliation glaucoma	Diagnosis	ICD-9-CM
365.59	Glaucoma associated with other lens disorders	Diagnosis	ICD-9-CM
365.60	Glaucoma associated with unspecified ocular disorder	Diagnosis	ICD-9-CM
365.61	Glaucoma associated with pupillary block	Diagnosis	ICD-9-CM
365.62	Glaucoma associated with ocular inflammations	Diagnosis	ICD-9-CM
365.63	Glaucoma associated with vascular disorders of eye	Diagnosis	ICD-9-CM
365.64	Glaucoma associated with tumors or cysts	Diagnosis	ICD-9-CM
365.65	Glaucoma associated with ocular trauma	Diagnosis	ICD-9-CM
365.81	Hypersecretion glaucoma	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
365.82	Glaucoma with increased episcleral venous pressure	Diagnosis	ICD-9-CM
365.83	Aqueous misdirection	Diagnosis	ICD-9-CM
365.89	Other specified glaucoma	Diagnosis	ICD-9-CM
365.9	Unspecified glaucoma	Diagnosis	ICD-9-CM
377.14	Glaucomatous atrophy (cupping) of optic disc	Diagnosis	ICD-9-CM
H40.001	Preglaucoma, unspecified, right eye	Diagnosis	ICD-10-CM
H40.002	Preglaucoma, unspecified, left eye	Diagnosis	ICD-10-CM
H40.003	Preglaucoma, unspecified, bilateral	Diagnosis	ICD-10-CM
H40.009	Preglaucoma, unspecified, unspecified eye	Diagnosis	ICD-10-CM
H40.011	Open angle with borderline findings, low risk, right eye	Diagnosis	ICD-10-CM
H40.012	Open angle with borderline findings, low risk, left eye	Diagnosis	ICD-10-CM
H40.013	Open angle with borderline findings, low risk, bilateral	Diagnosis	ICD-10-CM
H40.019	Open angle with borderline findings, low risk, unspecified eye	Diagnosis	ICD-10-CM
H40.031	Anatomical narrow angle, right eye	Diagnosis	ICD-10-CM
H40.032	Anatomical narrow angle, left eye	Diagnosis	ICD-10-CM
H40.033	Anatomical narrow angle, bilateral	Diagnosis	ICD-10-CM
H40.039	Anatomical narrow angle, unspecified eye	Diagnosis	ICD-10-CM
H40.041	Steroid responder, right eye	Diagnosis	ICD-10-CM
H40.042	Steroid responder, left eye	Diagnosis	ICD-10-CM
H40.043	Steroid responder, bilateral	Diagnosis	ICD-10-CM
H40.049	Steroid responder, unspecified eye	Diagnosis	ICD-10-CM
H40.051	Ocular hypertension, right eye	Diagnosis	ICD-10-CM
H40.052	Ocular hypertension, left eye	Diagnosis	ICD-10-CM
H40.053	Ocular hypertension, bilateral	Diagnosis	ICD-10-CM
H40.059	Ocular hypertension, unspecified eye	Diagnosis	ICD-10-CM
H40.10X0	Unspecified open-angle glaucoma, stage unspecified	Diagnosis	ICD-10-CM
H40.10X1	Unspecified open-angle glaucoma, mild stage	Diagnosis	ICD-10-CM
H40.10X2	Unspecified open-angle glaucoma, moderate stage	Diagnosis	ICD-10-CM
H40.10X3	Unspecified open-angle glaucoma, severe stage	Diagnosis	ICD-10-CM
H40.10X4	Unspecified open-angle glaucoma, indeterminate stage	Diagnosis	ICD-10-CM
H40.1110	Primary open-angle glaucoma, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1111	Primary open-angle glaucoma, right eye, mild stage	Diagnosis	ICD-10-CM
H40.1112	Primary open-angle glaucoma, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.1113	Primary open-angle glaucoma, right eye, severe stage	Diagnosis	ICD-10-CM
H40.1114	Primary open-angle glaucoma, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1120	Primary open-angle glaucoma, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1121	Primary open-angle glaucoma, left eye, mild stage	Diagnosis	ICD-10-CM
H40.1122	Primary open-angle glaucoma, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.1123	Primary open-angle glaucoma, left eye, severe stage	Diagnosis	ICD-10-CM
H40.1124	Primary open-angle glaucoma, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1130	Primary open-angle glaucoma, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.1131	Primary open-angle glaucoma, bilateral, mild stage	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
H40.1132	Primary open-angle glaucoma, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.1133	Primary open-angle glaucoma, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.1134	Primary open-angle glaucoma, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.1190	Primary open-angle glaucoma, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1191	Primary open-angle glaucoma, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.1192	Primary open-angle glaucoma, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.1193	Primary open-angle glaucoma, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.1194	Primary open-angle glaucoma, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.11X0	Primary open-angle glaucoma, stage unspecified	Diagnosis	ICD-10-CM
H40.11X1	Primary open-angle glaucoma, mild stage	Diagnosis	ICD-10-CM
H40.11X2	Primary open-angle glaucoma, moderate stage	Diagnosis	ICD-10-CM
H40.11X3	Primary open-angle glaucoma, severe stage	Diagnosis	ICD-10-CM
H40.11X4	Primary open-angle glaucoma, indeterminate stage	Diagnosis	ICD-10-CM
H40.1210	Low-tension glaucoma, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1211	Low-tension glaucoma, right eye, mild stage	Diagnosis	ICD-10-CM
H40.1212	Low-tension glaucoma, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.1213	Low-tension glaucoma, right eye, severe stage	Diagnosis	ICD-10-CM
H40.1214	Low-tension glaucoma, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1220	Low-tension glaucoma, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1221	Low-tension glaucoma, left eye, mild stage	Diagnosis	ICD-10-CM
H40.1222	Low-tension glaucoma, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.1223	Low-tension glaucoma, left eye, severe stage	Diagnosis	ICD-10-CM
H40.1224	Low-tension glaucoma, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1230	Low-tension glaucoma, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.1231	Low-tension glaucoma, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.1232	Low-tension glaucoma, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.1233	Low-tension glaucoma, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.1234	Low-tension glaucoma, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.1290	Low-tension glaucoma, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1291	Low-tension glaucoma, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.1292	Low-tension glaucoma, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.1293	Low-tension glaucoma, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.1294	Low-tension glaucoma, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1310	Pigmentary glaucoma, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1311	Pigmentary glaucoma, right eye, mild stage	Diagnosis	ICD-10-CM
H40.1312	Pigmentary glaucoma, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.1313	Pigmentary glaucoma, right eye, severe stage	Diagnosis	ICD-10-CM
H40.1314	Pigmentary glaucoma, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1320	Pigmentary glaucoma, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1321	Pigmentary glaucoma, left eye, mild stage	Diagnosis	ICD-10-CM
H40.1322	Pigmentary glaucoma, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.1323	Pigmentary glaucoma, left eye, severe stage	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
H40.1324	Pigmentary glaucoma, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1330	Pigmentary glaucoma, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.1331	Pigmentary glaucoma, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.1332	Pigmentary glaucoma, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.1333	Pigmentary glaucoma, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.1334	Pigmentary glaucoma, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.1390	Pigmentary glaucoma, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1391	Pigmentary glaucoma, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.1392	Pigmentary glaucoma, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.1393	Pigmentary glaucoma, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.1394	Pigmentary glaucoma, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1410	Capsular glaucoma with pseudoexfoliation of lens, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1411	Capsular glaucoma with pseudoexfoliation of lens, right eye, mild stage	Diagnosis	ICD-10-CM
H40.1412	Capsular glaucoma with pseudoexfoliation of lens, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.1413	Capsular glaucoma with pseudoexfoliation of lens, right eye, severe stage	Diagnosis	ICD-10-CM
H40.1414	Capsular glaucoma with pseudoexfoliation of lens, right eye, indeterminate	Diagnosis	ICD-10-CM
H40.1420	Capsular glaucoma with pseudoexfoliation of lens, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1421	Capsular glaucoma with pseudoexfoliation of lens, left eye, mild stage	Diagnosis	ICD-10-CM
H40.1422	Capsular glaucoma with pseudoexfoliation of lens, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.1423	Capsular glaucoma with pseudoexfoliation of lens, left eye, severe stage	Diagnosis	ICD-10-CM
H40.1424	Capsular glaucoma with pseudoexfoliation of lens, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.1430	Capsular glaucoma with pseudoexfoliation of lens, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.1431	Capsular glaucoma with pseudoexfoliation of lens, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.1432	Capsular glaucoma with pseudoexfoliation of lens, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.1433	Capsular glaucoma with pseudoexfoliation of lens, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.1434	Capsular glaucoma with pseudoexfoliation of lens, bilateral, indeterminate	Diagnosis	ICD-10-CM
H40.1490	Capsular glaucoma with pseudoexfoliation of lens, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.1491	Capsular glaucoma with pseudoexfoliation of lens, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.1492	Capsular glaucoma with pseudoexfoliation of lens, unspecified eye, moderate	Diagnosis	ICD-10-CM
H40.1493	Capsular glaucoma with pseudoexfoliation of lens, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.1494	Capsular glaucoma with pseudoexfoliation of lens, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.151	Residual stage of open-angle glaucoma, right eye	Diagnosis	ICD-10-CM
H40.152	Residual stage of open-angle glaucoma, left eye	Diagnosis	ICD-10-CM
H40.153	Residual stage of open-angle glaucoma, bilateral	Diagnosis	ICD-10-CM
H40.159	Residual stage of open-angle glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H40.20X0	Unspecified primary angle-closure glaucoma, stage unspecified	Diagnosis	ICD-10-CM
H40.20X1	Unspecified primary angle-closure glaucoma, mild stage	Diagnosis	ICD-10-CM
H40.20X2	Unspecified primary angle-closure glaucoma, moderate stage	Diagnosis	ICD-10-CM
H40.20X3	Unspecified primary angle-closure glaucoma, severe stage	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
H40.20X4	Unspecified primary angle-closure glaucoma, indeterminate stage	Diagnosis	ICD-10-CM
H40.211	Acute angle-closure glaucoma, right eye	Diagnosis	ICD-10-CM
H40.212	Acute angle-closure glaucoma, left eye	Diagnosis	ICD-10-CM
H40.213	Acute angle-closure glaucoma, bilateral	Diagnosis	ICD-10-CM
H40.219	Acute angle-closure glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H40.2210	Chronic angle-closure glaucoma, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.2211	Chronic angle-closure glaucoma, right eye, mild stage	Diagnosis	ICD-10-CM
H40.2212	Chronic angle-closure glaucoma, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.2213	Chronic angle-closure glaucoma, right eye, severe stage	Diagnosis	ICD-10-CM
H40.2214	Chronic angle-closure glaucoma, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.2220	Chronic angle-closure glaucoma, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.2221	Chronic angle-closure glaucoma, left eye, mild stage	Diagnosis	ICD-10-CM
H40.2222	Chronic angle-closure glaucoma, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.2223	Chronic angle-closure glaucoma, left eye, severe stage	Diagnosis	ICD-10-CM
H40.2224	Chronic angle-closure glaucoma, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.2230	Chronic angle-closure glaucoma, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.2231	Chronic angle-closure glaucoma, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.2232	Chronic angle-closure glaucoma, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.2233	Chronic angle-closure glaucoma, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.2234	Chronic angle-closure glaucoma, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.2290	Chronic angle-closure glaucoma, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.2291	Chronic angle-closure glaucoma, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.2292	Chronic angle-closure glaucoma, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.2293	Chronic angle-closure glaucoma, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.2294	Chronic angle-closure glaucoma, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.231	Intermittent angle-closure glaucoma, right eye	Diagnosis	ICD-10-CM
H40.232	Intermittent angle-closure glaucoma, left eye	Diagnosis	ICD-10-CM
H40.233	Intermittent angle-closure glaucoma, bilateral	Diagnosis	ICD-10-CM
H40.239	Intermittent angle-closure glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H40.241	Residual stage of angle-closure glaucoma, right eye	Diagnosis	ICD-10-CM
H40.242	Residual stage of angle-closure glaucoma, left eye	Diagnosis	ICD-10-CM
H40.243	Residual stage of angle-closure glaucoma, bilateral	Diagnosis	ICD-10-CM
H40.249	Residual stage of angle-closure glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H40.30X0	Glaucoma secondary to eye trauma, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.30X1	Glaucoma secondary to eye trauma, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.30X2	Glaucoma secondary to eye trauma, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.30X3	Glaucoma secondary to eye trauma, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.30X4	Glaucoma secondary to eye trauma, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.31X0	Glaucoma secondary to eye trauma, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.31X1	Glaucoma secondary to eye trauma, right eye, mild stage	Diagnosis	ICD-10-CM
H40.31X2	Glaucoma secondary to eye trauma, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.31X3	Glaucoma secondary to eye trauma, right eye, severe stage	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
H40.31X4	Glaucoma secondary to eye trauma, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.32X0	Glaucoma secondary to eye trauma, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.32X1	Glaucoma secondary to eye trauma, left eye, mild stage	Diagnosis	ICD-10-CM
H40.32X2	Glaucoma secondary to eye trauma, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.32X3	Glaucoma secondary to eye trauma, left eye, severe stage	Diagnosis	ICD-10-CM
H40.33X0	Glaucoma secondary to eye trauma, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.33X1	Glaucoma secondary to eye trauma, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.33X2	Glaucoma secondary to eye trauma, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.33X3	Glaucoma secondary to eye trauma, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.33X4	Glaucoma secondary to eye trauma, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.40X0	Glaucoma secondary to eye inflammation, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.40X1	Glaucoma secondary to eye inflammation, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.40X2	Glaucoma secondary to eye inflammation, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.40X3	Glaucoma secondary to eye inflammation, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.40X4	Glaucoma secondary to eye inflammation, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.41X0	Glaucoma secondary to eye inflammation, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.41X1	Glaucoma secondary to eye inflammation, right eye, mild stage	Diagnosis	ICD-10-CM
H40.41X2	Glaucoma secondary to eye inflammation, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.41X3	Glaucoma secondary to eye inflammation, right eye, severe stage	Diagnosis	ICD-10-CM
H40.41X4	Glaucoma secondary to eye inflammation, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.42X0	Glaucoma secondary to eye inflammation, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.42X1	Glaucoma secondary to eye inflammation, left eye, mild stage	Diagnosis	ICD-10-CM
H40.42X2	Glaucoma secondary to eye inflammation, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.42X3	Glaucoma secondary to eye inflammation, left eye, severe stage	Diagnosis	ICD-10-CM
H40.42X4	Glaucoma secondary to eye inflammation, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.43X0	Glaucoma secondary to eye inflammation, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.43X1	Glaucoma secondary to eye inflammation, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.43X2	Glaucoma secondary to eye inflammation, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.43X3	Glaucoma secondary to eye inflammation, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.43X4	Glaucoma secondary to eye inflammation, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.50X0	Glaucoma secondary to other eye disorders, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.50X1	Glaucoma secondary to other eye disorders, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.50X2	Glaucoma secondary to other eye disorders, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.50X3	Glaucoma secondary to other eye disorders, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.50X4	Glaucoma secondary to other eye disorders, unspecified eye, indeterminate	Diagnosis	ICD-10-CM
H40.51X0	Glaucoma secondary to other eye disorders, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.51X1	Glaucoma secondary to other eye disorders, right eye, mild stage	Diagnosis	ICD-10-CM
H40.51X2	Glaucoma secondary to other eye disorders, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.51X3	Glaucoma secondary to other eye disorders, right eye, severe stage	Diagnosis	ICD-10-CM
H40.51X4	Glaucoma secondary to other eye disorders, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.52X0	Glaucoma secondary to other eye disorders, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.52X1	Glaucoma secondary to other eye disorders, left eye, mild stage	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
H40.52X2	Glaucoma secondary to other eye disorders, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.52X3	Glaucoma secondary to other eye disorders, left eye, severe stage	Diagnosis	ICD-10-CM
H40.52X4	Glaucoma secondary to other eye disorders, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.53X0	Glaucoma secondary to other eye disorders, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.53X1	Glaucoma secondary to other eye disorders, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.53X2	Glaucoma secondary to other eye disorders, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.53X3	Glaucoma secondary to other eye disorders, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.53X4	Glaucoma secondary to other eye disorders, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.60X0	Glaucoma secondary to drugs, unspecified eye, stage unspecified	Diagnosis	ICD-10-CM
H40.60X1	Glaucoma secondary to drugs, unspecified eye, mild stage	Diagnosis	ICD-10-CM
H40.60X2	Glaucoma secondary to drugs, unspecified eye, moderate stage	Diagnosis	ICD-10-CM
H40.60X3	Glaucoma secondary to drugs, unspecified eye, severe stage	Diagnosis	ICD-10-CM
H40.60X4	Glaucoma secondary to drugs, unspecified eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.61X0	Glaucoma secondary to drugs, right eye, stage unspecified	Diagnosis	ICD-10-CM
H40.61X1	Glaucoma secondary to drugs, right eye, mild stage	Diagnosis	ICD-10-CM
H40.61X2	Glaucoma secondary to drugs, right eye, moderate stage	Diagnosis	ICD-10-CM
H40.61X3	Glaucoma secondary to drugs, right eye, severe stage	Diagnosis	ICD-10-CM
H40.61X4	Glaucoma secondary to drugs, right eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.62X0	Glaucoma secondary to drugs, left eye, stage unspecified	Diagnosis	ICD-10-CM
H40.62X1	Glaucoma secondary to drugs, left eye, mild stage	Diagnosis	ICD-10-CM
H40.62X2	Glaucoma secondary to drugs, left eye, moderate stage	Diagnosis	ICD-10-CM
H40.62X3	Glaucoma secondary to drugs, left eye, severe stage	Diagnosis	ICD-10-CM
H40.62X4	Glaucoma secondary to drugs, left eye, indeterminate stage	Diagnosis	ICD-10-CM
H40.63X0	Glaucoma secondary to drugs, bilateral, stage unspecified	Diagnosis	ICD-10-CM
H40.63X1	Glaucoma secondary to drugs, bilateral, mild stage	Diagnosis	ICD-10-CM
H40.63X2	Glaucoma secondary to drugs, bilateral, moderate stage	Diagnosis	ICD-10-CM
H40.63X3	Glaucoma secondary to drugs, bilateral, severe stage	Diagnosis	ICD-10-CM
H40.63X4	Glaucoma secondary to drugs, bilateral, indeterminate stage	Diagnosis	ICD-10-CM
H40.811	Glaucoma with increased episcleral venous pressure, right eye	Diagnosis	ICD-10-CM
H40.812	Glaucoma with increased episcleral venous pressure, left eye	Diagnosis	ICD-10-CM
H40.813	Glaucoma with increased episcleral venous pressure, bilateral	Diagnosis	ICD-10-CM
H40.819	Glaucoma with increased episcleral venous pressure, unspecified eye	Diagnosis	ICD-10-CM
H40.821	Hypersecretion glaucoma, right eye	Diagnosis	ICD-10-CM
H40.822	Hypersecretion glaucoma, left eye	Diagnosis	ICD-10-CM
H40.823	Hypersecretion glaucoma, bilateral	Diagnosis	ICD-10-CM
H40.829	Hypersecretion glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H40.831	Aqueous misdirection, right eye	Diagnosis	ICD-10-CM
H40.832	Aqueous misdirection, left eye	Diagnosis	ICD-10-CM
H40.833	Aqueous misdirection, bilateral	Diagnosis	ICD-10-CM
H40.839	Aqueous misdirection, unspecified eye	Diagnosis	ICD-10-CM
H40.89	Other specified glaucoma	Diagnosis	ICD-10-CM
H40.9	Unspecified glaucoma	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
H42	Glaucoma in diseases classified elsewhere	Diagnosis	ICD-10-CM
H44.511	Absolute glaucoma, right eye	Diagnosis	ICD-10-CM
H44.512	Absolute glaucoma, left eye	Diagnosis	ICD-10-CM
H44.513	Absolute glaucoma, bilateral	Diagnosis	ICD-10-CM
H44.519	Absolute glaucoma, unspecified eye	Diagnosis	ICD-10-CM
H47.231	Glaucomatous optic atrophy, right eye	Diagnosis	ICD-10-CM
H47.232	Glaucomatous optic atrophy, left eye	Diagnosis	ICD-10-CM
H47.233	Glaucomatous optic atrophy, bilateral	Diagnosis	ICD-10-CM
H47.239	Glaucomatous optic atrophy, unspecified eye	Diagnosis	ICD-10-CM
Q15.0	Congenital glaucoma	Diagnosis	ICD-10-CM
Heart Failure			
398.91	Rheumatic heart failure (congestive)	Diagnosis	ICD-9-CM
402.01	Malignant hypertensive heart disease with heart failure	Diagnosis	ICD-9-CM
402.11	Benign hypertensive heart disease with heart failure	Diagnosis	ICD-9-CM
402.91	Hypertensive heart disease, unspecified, with heart failure	Diagnosis	ICD-9-CM
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
428.0	Congestive heart failure, unspecified	Diagnosis	ICD-9-CM
428.1	Left heart failure	Diagnosis	ICD-9-CM
428.20	Unspecified systolic heart failure	Diagnosis	ICD-9-CM
428.21	Acute systolic heart failure	Diagnosis	ICD-9-CM
428.22	Chronic systolic heart failure	Diagnosis	ICD-9-CM
428.23	Acute on chronic systolic heart failure	Diagnosis	ICD-9-CM
428.30	Unspecified diastolic heart failure	Diagnosis	ICD-9-CM
428.31	Acute diastolic heart failure	Diagnosis	ICD-9-CM
428.32	Chronic diastolic heart failure	Diagnosis	ICD-9-CM
428.33	Acute on chronic diastolic heart failure	Diagnosis	ICD-9-CM
428.40	Unspecified combined systolic and diastolic heart failure	Diagnosis	ICD-9-CM
428.41	Acute combined systolic and diastolic heart failure	Diagnosis	ICD-9-CM
428.42	Chronic combined systolic and diastolic heart failure	Diagnosis	ICD-9-CM
428.43	Acute on chronic combined systolic and diastolic heart failure	Diagnosis	ICD-9-CM
428.9	Unspecified heart failure	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
I09.81	Rheumatic heart failure	Diagnosis	ICD-10-CM
I11.0	Hypertensive heart disease with heart failure	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
I13.2	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
I50.1	Left ventricular failure, unspecified	Diagnosis	ICD-10-CM
I50.20	Unspecified systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.21	Acute systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.22	Chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.23	Acute on chronic systolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.30	Unspecified diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.31	Acute diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.32	Chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.33	Acute on chronic diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	Diagnosis	ICD-10-CM
I50.810	Right heart failure, unspecified	Diagnosis	ICD-10-CM
I50.811	Acute right heart failure	Diagnosis	ICD-10-CM
I50.812	Chronic right heart failure	Diagnosis	ICD-10-CM
I50.813	Acute on chronic right heart failure	Diagnosis	ICD-10-CM
I50.814	Right heart failure due to left heart failure	Diagnosis	ICD-10-CM
I50.82	Biventricular heart failure	Diagnosis	ICD-10-CM
I50.83	High output heart failure	Diagnosis	ICD-10-CM
I50.84	End stage heart failure	Diagnosis	ICD-10-CM
I50.89	Other heart failure	Diagnosis	ICD-10-CM
I50.9	Heart failure, unspecified	Diagnosis	ICD-10-CM
Hyperlipidemia			
272.0	Pure hypercholesterolemia	Diagnosis	ICD-9-CM
272.1	Pure hyperglyceridemia	Diagnosis	ICD-9-CM
272.2	Mixed hyperlipidemia	Diagnosis	ICD-9-CM
272.3	Hyperchylomicronemia	Diagnosis	ICD-9-CM
272.4	Other and unspecified hyperlipidemia	Diagnosis	ICD-9-CM
E78.0	Pure hypercholesterolemia	Diagnosis	ICD-10-CM
E78.1	Pure hyperglyceridemia	Diagnosis	ICD-10-CM
E78.2	Mixed hyperlipidemia	Diagnosis	ICD-10-CM
E78.3	Hyperchylomicronemia	Diagnosis	ICD-10-CM
E78.4	Other hyperlipidemia	Diagnosis	ICD-10-CM
E78.5	Hyperlipidemia, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Hypertension			
362.11	Hypertensive retinopathy	Diagnosis	ICD-9-CM
401.0	Essential hypertension, malignant	Diagnosis	ICD-9-CM
401.1	Essential hypertension, benign	Diagnosis	ICD-9-CM
401.9	Unspecified essential hypertension	Diagnosis	ICD-9-CM
402.00	Malignant hypertensive heart disease without heart failure	Diagnosis	ICD-9-CM
402.01	Malignant hypertensive heart disease with heart failure	Diagnosis	ICD-9-CM
402.10	Benign hypertensive heart disease without heart failure	Diagnosis	ICD-9-CM
402.11	Benign hypertensive heart disease with heart failure	Diagnosis	ICD-9-CM
402.90	Unspecified hypertensive heart disease without heart failure	Diagnosis	ICD-9-CM
402.91	Hypertensive heart disease, unspecified, with heart failure	Diagnosis	ICD-9-CM
403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	Diagnosis	ICD-9-CM
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	Diagnosis	ICD-9-CM
405.01	Secondary renovascular hypertension, malignant	Diagnosis	ICD-9-CM
405.09	Other secondary hypertension, malignant	Diagnosis	ICD-9-CM
405.11	Secondary renovascular hypertension, benign	Diagnosis	ICD-9-CM
405.19	Other secondary hypertension, benign	Diagnosis	ICD-9-CM
405.91	Secondary renovascular hypertension, unspecified	Diagnosis	ICD-9-CM
405.99	Other secondary hypertension, unspecified	Diagnosis	ICD-9-CM
437.2	Hypertensive encephalopathy	Diagnosis	ICD-9-CM
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
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
Ischemic Heart Disease			
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
410.02	Acute myocardial infarction of anterolateral wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	Diagnosis	ICD-9-CM
410.12	Acute myocardial infarction of other anterior wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	Diagnosis	ICD-9-CM
410.22	Acute myocardial infarction of inferolateral wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	Diagnosis	ICD-9-CM
410.32	Acute myocardial infarction of inferoposterior wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	Diagnosis	ICD-9-CM
410.42	Acute myocardial infarction of other inferior wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	Diagnosis	ICD-9-CM
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	Diagnosis	ICD-9-CM
410.52	Acute myocardial infarction of other lateral wall, subsequent episode of care	Diagnosis	ICD-9-CM
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	Diagnosis	ICD-9-CM
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	Diagnosis	ICD-9-CM
410.62	Acute myocardial infarction, true posterior wall infarction, subsequent episode of care	Diagnosis	ICD-9-CM
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	Diagnosis	ICD-9-CM
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	Diagnosis	ICD-9-CM
410.72	Acute myocardial infarction, subendocardial infarction, subsequent episode of	Diagnosis	ICD-9-CM
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	Diagnosis	ICD-9-CM
410.81	Acute myocardial infarction of other specified sites, initial episode of care	Diagnosis	ICD-9-CM
410.82	Acute myocardial infarction of other specified sites, subsequent episode of care	Diagnosis	ICD-9-CM
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	Diagnosis	ICD-9-CM
410.91	Acute myocardial infarction, unspecified site, initial episode of care	Diagnosis	ICD-9-CM
410.92	Acute myocardial infarction, unspecified site, subsequent episode of care	Diagnosis	ICD-9-CM
411.0	Postmyocardial infarction syndrome	Diagnosis	ICD-9-CM
411.1	Intermediate coronary syndrome	Diagnosis	ICD-9-CM
411.81	Acute coronary occlusion without myocardial infarction	Diagnosis	ICD-9-CM
411.89	Other acute and subacute form of ischemic heart disease	Diagnosis	ICD-9-CM
412	Old myocardial infarction	Diagnosis	ICD-9-CM
413.0	Angina decubitus	Diagnosis	ICD-9-CM
413.1	Prinzmetal angina	Diagnosis	ICD-9-CM
413.9	Other and unspecified angina pectoris	Diagnosis	ICD-9-CM
414.00	Coronary atherosclerosis of unspecified type of vessel, native or graft	Diagnosis	ICD-9-CM
414.01	Coronary atherosclerosis of native coronary artery	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
414.02	Coronary atherosclerosis of autologous vein bypass graft	Diagnosis	ICD-9-CM
414.03	Coronary atherosclerosis of nonautologous biological bypass graft	Diagnosis	ICD-9-CM
414.04	Coronary atherosclerosis of artery bypass graft	Diagnosis	ICD-9-CM
414.05	Coronary atherosclerosis of unspecified type of bypass graft	Diagnosis	ICD-9-CM
414.06	Coronary atherosclerosis, of native coronary artery of transplanted heart	Diagnosis	ICD-9-CM
414.07	Coronary atherosclerosis, of bypass graft (artery) (vein) of transplanted heart	Diagnosis	ICD-9-CM
414.12	Dissection of coronary artery	Diagnosis	ICD-9-CM
414.2	Chronic total occlusion of coronary artery	Diagnosis	ICD-9-CM
414.3	Coronary atherosclerosis due to lipid rich plaque	Diagnosis	ICD-9-CM
414.4	Coronary atherosclerosis due to calcified coronary lesion	Diagnosis	ICD-9-CM
414.8	Other specified forms of chronic ischemic heart disease	Diagnosis	ICD-9-CM
414.9	Unspecified chronic ischemic heart disease	Diagnosis	ICD-9-CM
I20.0	Unstable angina	Diagnosis	ICD-10-CM
I20.1	Angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I20.8	Other forms of angina pectoris	Diagnosis	ICD-10-CM
I20.9	Angina pectoris, unspecified	Diagnosis	ICD-10-CM
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	Diagnosis	ICD-10-CM
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	Diagnosis	ICD-10-CM
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	Diagnosis	ICD-10-CM
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	Diagnosis	ICD-10-CM
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	Diagnosis	ICD-10-CM
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary	Diagnosis	ICD-10-CM
I21.29	ST elevation (STEMI) myocardial infarction involving other sites	Diagnosis	ICD-10-CM
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
I21.4	Non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I21.A1	Myocardial infarction type 2	Diagnosis	ICD-10-CM
I21.A9	Other myocardial infarction type	Diagnosis	ICD-10-CM
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	Diagnosis	ICD-10-CM
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	Diagnosis	ICD-10-CM
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction	Diagnosis	ICD-10-CM
I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites	Diagnosis	ICD-10-CM
I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	Diagnosis	ICD-10-CM
I23.0	Hemopericardium as current complication following acute myocardial infarction	Diagnosis	ICD-10-CM
I23.1	Atrial septal defect as current complication following acute myocardial	Diagnosis	ICD-10-CM
I23.2	Ventricular septal defect as current complication following acute myocardial	Diagnosis	ICD-10-CM
I23.3	Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction	Diagnosis	ICD-10-CM
I23.4	Rupture of chordae tendineae as current complication following acute myocardial infarction	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
I23.5	Rupture of papillary muscle as current complication following acute myocardial infarction	Diagnosis	ICD-10-CM
I23.6	Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction	Diagnosis	ICD-10-CM
I23.7	Postinfarction angina	Diagnosis	ICD-10-CM
I23.8	Other current complications following acute myocardial infarction	Diagnosis	ICD-10-CM
I24.0	Acute coronary thrombosis not resulting in myocardial infarction	Diagnosis	ICD-10-CM
I24.1	Dressler's syndrome	Diagnosis	ICD-10-CM
I24.8	Other forms of acute ischemic heart disease	Diagnosis	ICD-10-CM
I24.9	Acute ischemic heart disease, unspecified	Diagnosis	ICD-10-CM
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris	Diagnosis	ICD-10-CM
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina	Diagnosis	ICD-10-CM
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris	Diagnosis	ICD-10-CM
I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris	Diagnosis	ICD-10-CM
I25.2	Old myocardial infarction	Diagnosis	ICD-10-CM
I25.3	Aneurysm of heart	Diagnosis	ICD-10-CM
I25.41	Coronary artery aneurysm	Diagnosis	ICD-10-CM
I25.42	Coronary artery dissection	Diagnosis	ICD-10-CM
I25.5	Ischemic cardiomyopathy	Diagnosis	ICD-10-CM
I25.6	Silent myocardial ischemia	Diagnosis	ICD-10-CM
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris	Diagnosis	ICD-10-CM
I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris	Diagnosis	ICD-10-CM
I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris	Diagnosis	ICD-10-CM
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris	Diagnosis	ICD-10-CM
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris	Diagnosis	ICD-10-CM
I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris	Diagnosis	ICD-10-CM
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
125.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
125.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris	Diagnosis	ICD-10-CM
125.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris	Diagnosis	ICD-10-CM
125.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris	Diagnosis	ICD-10-CM
125.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
125.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris	Diagnosis	ICD-10-CM
125.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris	Diagnosis	ICD-10-CM
125.750	Atherosclerosis of native coronary artery of transplanted heart with unstable	Diagnosis	ICD-10-CM
125.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
125.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris	Diagnosis	ICD-10-CM
125.759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris	Diagnosis	ICD-10-CM
125.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	Diagnosis	ICD-10-CM
125.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
125.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris	Diagnosis	ICD-10-CM
125.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris	Diagnosis	ICD-10-CM
125.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina	Diagnosis	ICD-10-CM
125.791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm	Diagnosis	ICD-10-CM
125.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris	Diagnosis	ICD-10-CM
125.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris	Diagnosis	ICD-10-CM
125.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris	Diagnosis	ICD-10-CM
125.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris	Diagnosis	ICD-10-CM
125.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris	Diagnosis	ICD-10-CM
125.82	Chronic total occlusion of coronary artery	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
I25.83	Coronary atherosclerosis due to lipid rich plaque	Diagnosis	ICD-10-CM
I25.84	Coronary atherosclerosis due to calcified coronary lesion	Diagnosis	ICD-10-CM
I25.89	Other forms of chronic ischemic heart disease	Diagnosis	ICD-10-CM
I25.9	Chronic ischemic heart disease, unspecified	Diagnosis	ICD-10-CM
Osteoporosis			
733.00	Unspecified osteoporosis	Diagnosis	ICD-9-CM
733.01	Senile osteoporosis	Diagnosis	ICD-9-CM
733.02	Idiopathic osteoporosis	Diagnosis	ICD-9-CM
733.03	Disuse osteoporosis	Diagnosis	ICD-9-CM
733.09	Other osteoporosis	Diagnosis	ICD-9-CM
M81.0	Age-related osteoporosis without current pathological fracture	Diagnosis	ICD-10-CM
M81.6	Localized osteoporosis [Lequesne]	Diagnosis	ICD-10-CM
M81.8	Other osteoporosis without current pathological fracture	Diagnosis	ICD-10-CM
Rheumatoid Arthritis and Osteoarthritis			
714.0	Rheumatoid arthritis	Diagnosis	ICD-9-CM
714.1	Felty's syndrome	Diagnosis	ICD-9-CM
714.2	Other rheumatoid arthritis with visceral or systemic involvement	Diagnosis	ICD-9-CM
714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	Diagnosis	ICD-9-CM
714.31	Polyarticular juvenile rheumatoid arthritis, acute	Diagnosis	ICD-9-CM
714.32	Pauciarticular juvenile rheumatoid arthritis	Diagnosis	ICD-9-CM
714.33	Monoarticular juvenile rheumatoid arthritis	Diagnosis	ICD-9-CM
715.00	Generalized osteoarthritis, unspecified site	Diagnosis	ICD-9-CM
715.04	Generalized osteoarthritis, involving hand	Diagnosis	ICD-9-CM
715.09	Generalized osteoarthritis, involving multiple sites	Diagnosis	ICD-9-CM
715.10	Primary localized osteoarthritis, unspecified site	Diagnosis	ICD-9-CM
715.11	Primary localized osteoarthritis, shoulder region	Diagnosis	ICD-9-CM
715.12	Primary localized osteoarthritis, upper arm	Diagnosis	ICD-9-CM
715.13	Primary localized osteoarthritis, forearm	Diagnosis	ICD-9-CM
715.14	Primary localized osteoarthritis, hand	Diagnosis	ICD-9-CM
715.15	Primary localized osteoarthritis, pelvic region and thigh	Diagnosis	ICD-9-CM
715.16	Primary localized osteoarthritis, lower leg	Diagnosis	ICD-9-CM
715.17	Primary localized osteoarthritis, ankle and foot	Diagnosis	ICD-9-CM
715.18	Primary localized osteoarthritis, other specified sites	Diagnosis	ICD-9-CM
715.20	Secondary localized osteoarthritis, unspecified site	Diagnosis	ICD-9-CM
715.21	Secondary localized osteoarthritis, shoulder region	Diagnosis	ICD-9-CM
715.22	Secondary localized osteoarthritis, upper arm	Diagnosis	ICD-9-CM
715.23	Secondary localized osteoarthritis, forearm	Diagnosis	ICD-9-CM
715.24	Secondary localized osteoarthritis, involving hand	Diagnosis	ICD-9-CM
715.25	Secondary localized osteoarthritis, pelvic region and thigh	Diagnosis	ICD-9-CM
715.26	Secondary localized osteoarthritis, lower leg	Diagnosis	ICD-9-CM
715.27	Secondary localized osteoarthritis, ankle and foot	Diagnosis	ICD-9-CM
715.28	Secondary localized osteoarthritis, other specified site	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
715.30	Localized osteoarthritis not specified whether primary or secondary, unspecified site	Diagnosis	ICD-9-CM
715.31	Localized osteoarthritis not specified whether primary or secondary, shoulder region	Diagnosis	ICD-9-CM
715.32	Localized osteoarthritis not specified whether primary or secondary, upper arm	Diagnosis	ICD-9-CM
715.33	Localized osteoarthritis not specified whether primary or secondary, forearm	Diagnosis	ICD-9-CM
715.34	Localized osteoarthritis not specified whether primary or secondary, hand	Diagnosis	ICD-9-CM
715.35	Localized osteoarthritis not specified whether primary or secondary, pelvic region and thigh	Diagnosis	ICD-9-CM
715.36	Localized osteoarthritis not specified whether primary or secondary, lower leg	Diagnosis	ICD-9-CM
715.37	Localized osteoarthritis not specified whether primary or secondary, ankle and	Diagnosis	ICD-9-CM
715.38	Localized osteoarthritis not specified whether primary or secondary, other specified sites	Diagnosis	ICD-9-CM
715.80	Osteoarthritis involving more than one site, but not specified as generalized, unspecified site	Diagnosis	ICD-9-CM
715.89	Osteoarthritis involving multiple sites, but not specified as generalized	Diagnosis	ICD-9-CM
715.90	Osteoarthritis, unspecified whether generalized or localized, unspecified site	Diagnosis	ICD-9-CM
715.91	Osteoarthritis, unspecified whether generalized or localized, shoulder region	Diagnosis	ICD-9-CM
715.92	Osteoarthritis, unspecified whether generalized or localized, upper arm	Diagnosis	ICD-9-CM
715.93	Osteoarthritis, unspecified whether generalized or localized, forearm	Diagnosis	ICD-9-CM
715.94	Osteoarthritis, unspecified whether generalized or localized, hand	Diagnosis	ICD-9-CM
715.95	Osteoarthritis, unspecified whether generalized or localized, pelvic region and thigh	Diagnosis	ICD-9-CM
715.96	Osteoarthritis, unspecified whether generalized or localized, lower leg	Diagnosis	ICD-9-CM
715.97	Osteoarthritis, unspecified whether generalized or localized, ankle and foot	Diagnosis	ICD-9-CM
715.98	Osteoarthritis, unspecified whether generalized or localized, other specified	Diagnosis	ICD-9-CM
720.0	Ankylosing spondylitis	Diagnosis	ICD-9-CM
721.0	Cervical spondylosis without myelopathy	Diagnosis	ICD-9-CM
721.1	Cervical spondylosis with myelopathy	Diagnosis	ICD-9-CM
721.2	Thoracic spondylosis without myelopathy	Diagnosis	ICD-9-CM
721.3	Lumbosacral spondylosis without myelopathy	Diagnosis	ICD-9-CM
721.90	Spondylosis of unspecified site without mention of myelopathy	Diagnosis	ICD-9-CM
721.91	Spondylosis of unspecified site with myelopathy	Diagnosis	ICD-9-CM
M05.00	Felty's syndrome, unspecified site	Diagnosis	ICD-10-CM
M05.011	Felty's syndrome, right shoulder	Diagnosis	ICD-10-CM
M05.012	Felty's syndrome, left shoulder	Diagnosis	ICD-10-CM
M05.019	Felty's syndrome, unspecified shoulder	Diagnosis	ICD-10-CM
M05.021	Felty's syndrome, right elbow	Diagnosis	ICD-10-CM
M05.022	Felty's syndrome, left elbow	Diagnosis	ICD-10-CM
M05.029	Felty's syndrome, unspecified elbow	Diagnosis	ICD-10-CM
M05.031	Felty's syndrome, right wrist	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M05.032	Felty's syndrome, left wrist	Diagnosis	ICD-10-CM
M05.039	Felty's syndrome, unspecified wrist	Diagnosis	ICD-10-CM
M05.041	Felty's syndrome, right hand	Diagnosis	ICD-10-CM
M05.042	Felty's syndrome, left hand	Diagnosis	ICD-10-CM
M05.049	Felty's syndrome, unspecified hand	Diagnosis	ICD-10-CM
M05.051	Felty's syndrome, right hip	Diagnosis	ICD-10-CM
M05.052	Felty's syndrome, left hip	Diagnosis	ICD-10-CM
M05.059	Felty's syndrome, unspecified hip	Diagnosis	ICD-10-CM
M05.061	Felty's syndrome, right knee	Diagnosis	ICD-10-CM
M05.062	Felty's syndrome, left knee	Diagnosis	ICD-10-CM
M05.069	Felty's syndrome, unspecified knee	Diagnosis	ICD-10-CM
M05.071	Felty's syndrome, right ankle and foot	Diagnosis	ICD-10-CM
M05.072	Felty's syndrome, left ankle and foot	Diagnosis	ICD-10-CM
M05.079	Felty's syndrome, unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.09	Felty's syndrome, multiple sites	Diagnosis	ICD-10-CM
M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and	Diagnosis	ICD-10-CM
M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and	Diagnosis	ICD-10-CM
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and	Diagnosis	ICD-10-CM
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and	Diagnosis	ICD-10-CM
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and	Diagnosis	ICD-10-CM
M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and	Diagnosis	ICD-10-CM
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and	Diagnosis	ICD-10-CM
M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and	Diagnosis	ICD-10-CM
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and	Diagnosis	ICD-10-CM
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and	Diagnosis	ICD-10-CM
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and	Diagnosis	ICD-10-CM
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and	Diagnosis	ICD-10-CM
M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	Diagnosis	ICD-10-CM
M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	Diagnosis	ICD-10-CM
M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	Diagnosis	ICD-10-CM
M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	Diagnosis	ICD-10-CM
M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	Diagnosis	ICD-10-CM
M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	Diagnosis	ICD-10-CM
M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	Diagnosis	ICD-10-CM
M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	Diagnosis	ICD-10-CM
M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	Diagnosis	ICD-10-CM
M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	Diagnosis	ICD-10-CM
M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	Diagnosis	ICD-10-CM
M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	Diagnosis	ICD-10-CM
M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	Diagnosis	ICD-10-CM
M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	Diagnosis	ICD-10-CM
M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	Diagnosis	ICD-10-CM
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	Diagnosis	ICD-10-CM
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	Diagnosis	ICD-10-CM
M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	Diagnosis	ICD-10-CM
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	Diagnosis	ICD-10-CM
M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	Diagnosis	ICD-10-CM
M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	Diagnosis	ICD-10-CM
M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	Diagnosis	ICD-10-CM
M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	Diagnosis	ICD-10-CM
M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	Diagnosis	ICD-10-CM
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	Diagnosis	ICD-10-CM
M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	Diagnosis	ICD-10-CM
M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	Diagnosis	ICD-10-CM
M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	Diagnosis	ICD-10-CM
M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	Diagnosis	ICD-10-CM
M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	Diagnosis	ICD-10-CM
M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	Diagnosis	ICD-10-CM
M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	Diagnosis	ICD-10-CM
M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	Diagnosis	ICD-10-CM
M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	Diagnosis	ICD-10-CM
M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	Diagnosis	ICD-10-CM
M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	Diagnosis	ICD-10-CM
M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	Diagnosis	ICD-10-CM
M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	Diagnosis	ICD-10-CM
M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	Diagnosis	ICD-10-CM
M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	Diagnosis	ICD-10-CM
M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	Diagnosis	ICD-10-CM
M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	Diagnosis	ICD-10-CM
M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	Diagnosis	ICD-10-CM
M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	Diagnosis	ICD-10-CM
M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	Diagnosis	ICD-10-CM
M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	Diagnosis	ICD-10-CM
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	Diagnosis	ICD-10-CM
M06.1	Adult-onset Still's disease	Diagnosis	ICD-10-CM
M06.20	Rheumatoid bursitis, unspecified site	Diagnosis	ICD-10-CM
M06.211	Rheumatoid bursitis, right shoulder	Diagnosis	ICD-10-CM
M06.212	Rheumatoid bursitis, left shoulder	Diagnosis	ICD-10-CM
M06.219	Rheumatoid bursitis, unspecified shoulder	Diagnosis	ICD-10-CM
M06.221	Rheumatoid bursitis, right elbow	Diagnosis	ICD-10-CM
M06.222	Rheumatoid bursitis, left elbow	Diagnosis	ICD-10-CM
M06.229	Rheumatoid bursitis, unspecified elbow	Diagnosis	ICD-10-CM
M06.231	Rheumatoid bursitis, right wrist	Diagnosis	ICD-10-CM
M06.232	Rheumatoid bursitis, left wrist	Diagnosis	ICD-10-CM
M06.239	Rheumatoid bursitis, unspecified wrist	Diagnosis	ICD-10-CM
M06.241	Rheumatoid bursitis, right hand	Diagnosis	ICD-10-CM
M06.242	Rheumatoid bursitis, left hand	Diagnosis	ICD-10-CM
M06.249	Rheumatoid bursitis, unspecified hand	Diagnosis	ICD-10-CM
M06.251	Rheumatoid bursitis, right hip	Diagnosis	ICD-10-CM
M06.252	Rheumatoid bursitis, left hip	Diagnosis	ICD-10-CM
M06.259	Rheumatoid bursitis, unspecified hip	Diagnosis	ICD-10-CM
M06.261	Rheumatoid bursitis, right knee	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M06.262	Rheumatoid bursitis, left knee	Diagnosis	ICD-10-CM
M06.269	Rheumatoid bursitis, unspecified knee	Diagnosis	ICD-10-CM
M06.271	Rheumatoid bursitis, right ankle and foot	Diagnosis	ICD-10-CM
M06.272	Rheumatoid bursitis, left ankle and foot	Diagnosis	ICD-10-CM
M06.279	Rheumatoid bursitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.28	Rheumatoid bursitis, vertebrae	Diagnosis	ICD-10-CM
M06.29	Rheumatoid bursitis, multiple sites	Diagnosis	ICD-10-CM
M06.30	Rheumatoid nodule, unspecified site	Diagnosis	ICD-10-CM
M06.311	Rheumatoid nodule, right shoulder	Diagnosis	ICD-10-CM
M06.312	Rheumatoid nodule, left shoulder	Diagnosis	ICD-10-CM
M06.319	Rheumatoid nodule, unspecified shoulder	Diagnosis	ICD-10-CM
M06.321	Rheumatoid nodule, right elbow	Diagnosis	ICD-10-CM
M06.322	Rheumatoid nodule, left elbow	Diagnosis	ICD-10-CM
M06.329	Rheumatoid nodule, unspecified elbow	Diagnosis	ICD-10-CM
M06.331	Rheumatoid nodule, right wrist	Diagnosis	ICD-10-CM
M06.332	Rheumatoid nodule, left wrist	Diagnosis	ICD-10-CM
M06.339	Rheumatoid nodule, unspecified wrist	Diagnosis	ICD-10-CM
M06.341	Rheumatoid nodule, right hand	Diagnosis	ICD-10-CM
M06.342	Rheumatoid nodule, left hand	Diagnosis	ICD-10-CM
M06.349	Rheumatoid nodule, unspecified hand	Diagnosis	ICD-10-CM
M06.351	Rheumatoid nodule, right hip	Diagnosis	ICD-10-CM
M06.352	Rheumatoid nodule, left hip	Diagnosis	ICD-10-CM
M06.359	Rheumatoid nodule, unspecified hip	Diagnosis	ICD-10-CM
M06.361	Rheumatoid nodule, right knee	Diagnosis	ICD-10-CM
M06.362	Rheumatoid nodule, left knee	Diagnosis	ICD-10-CM
M06.369	Rheumatoid nodule, unspecified knee	Diagnosis	ICD-10-CM
M06.371	Rheumatoid nodule, right ankle and foot	Diagnosis	ICD-10-CM
M06.372	Rheumatoid nodule, left ankle and foot	Diagnosis	ICD-10-CM
M06.379	Rheumatoid nodule, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.38	Rheumatoid nodule, vertebrae	Diagnosis	ICD-10-CM
M06.39	Rheumatoid nodule, multiple sites	Diagnosis	ICD-10-CM
M06.80	Other specified rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M06.811	Other specified rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M06.812	Other specified rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M06.819	Other specified rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M06.821	Other specified rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M06.822	Other specified rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M06.829	Other specified rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M06.831	Other specified rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M06.832	Other specified rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M06.839	Other specified rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M06.841	Other specified rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M06.842	Other specified rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M06.849	Other specified rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M06.851	Other specified rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M06.852	Other specified rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M06.859	Other specified rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M06.861	Other specified rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M06.862	Other specified rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M06.869	Other specified rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M06.871	Other specified rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M06.872	Other specified rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.88	Other specified rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M06.89	Other specified rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M06.9	Rheumatoid arthritis, unspecified	Diagnosis	ICD-10-CM
M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08.041	Unspecified juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08.042	Unspecified juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08.051	Unspecified juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08.052	Unspecified juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08.061	Unspecified juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08.062	Unspecified juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M08.1	Juvenile ankylosing spondylitis	Diagnosis	ICD-10-CM
M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	Diagnosis	ICD-10-CM
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	Diagnosis	ICD-10-CM
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	Diagnosis	ICD-10-CM
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	Diagnosis	ICD-10-CM
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	Diagnosis	ICD-10-CM
M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	Diagnosis	ICD-10-CM
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	Diagnosis	ICD-10-CM
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	Diagnosis	ICD-10-CM
M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	Diagnosis	ICD-10-CM
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	Diagnosis	ICD-10-CM
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	Diagnosis	ICD-10-CM
M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	Diagnosis	ICD-10-CM
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	Diagnosis	ICD-10-CM
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	Diagnosis	ICD-10-CM
M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	Diagnosis	ICD-10-CM
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	Diagnosis	ICD-10-CM
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	Diagnosis	ICD-10-CM
M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	Diagnosis	ICD-10-CM
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	Diagnosis	ICD-10-CM
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	Diagnosis	ICD-10-CM
M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	Diagnosis	ICD-10-CM
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	Diagnosis	ICD-10-CM
M08.3	Juvenile rheumatoid polyarthritis (seronegative)	Diagnosis	ICD-10-CM
M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M08.80	Other juvenile arthritis, unspecified site	Diagnosis	ICD-10-CM
M08.811	Other juvenile arthritis, right shoulder	Diagnosis	ICD-10-CM
M08.812	Other juvenile arthritis, left shoulder	Diagnosis	ICD-10-CM
M08.819	Other juvenile arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08.821	Other juvenile arthritis, right elbow	Diagnosis	ICD-10-CM
M08.822	Other juvenile arthritis, left elbow	Diagnosis	ICD-10-CM
M08.829	Other juvenile arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08.831	Other juvenile arthritis, right wrist	Diagnosis	ICD-10-CM
M08.832	Other juvenile arthritis, left wrist	Diagnosis	ICD-10-CM
M08.839	Other juvenile arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08.841	Other juvenile arthritis, right hand	Diagnosis	ICD-10-CM
M08.842	Other juvenile arthritis, left hand	Diagnosis	ICD-10-CM
M08.849	Other juvenile arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08.851	Other juvenile arthritis, right hip	Diagnosis	ICD-10-CM
M08.852	Other juvenile arthritis, left hip	Diagnosis	ICD-10-CM
M08.859	Other juvenile arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08.861	Other juvenile arthritis, right knee	Diagnosis	ICD-10-CM
M08.862	Other juvenile arthritis, left knee	Diagnosis	ICD-10-CM
M08.869	Other juvenile arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08.871	Other juvenile arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08.872	Other juvenile arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08.879	Other juvenile arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.88	Other juvenile arthritis, other specified site	Diagnosis	ICD-10-CM
M08.89	Other juvenile arthritis, multiple sites	Diagnosis	ICD-10-CM
M08.90	Juvenile arthritis, unspecified, unspecified site	Diagnosis	ICD-10-CM
M08.911	Juvenile arthritis, unspecified, right shoulder	Diagnosis	ICD-10-CM
M08.912	Juvenile arthritis, unspecified, left shoulder	Diagnosis	ICD-10-CM
M08.919	Juvenile arthritis, unspecified, unspecified shoulder	Diagnosis	ICD-10-CM
M08.921	Juvenile arthritis, unspecified, right elbow	Diagnosis	ICD-10-CM
M08.922	Juvenile arthritis, unspecified, left elbow	Diagnosis	ICD-10-CM
M08.929	Juvenile arthritis, unspecified, unspecified elbow	Diagnosis	ICD-10-CM
M08.931	Juvenile arthritis, unspecified, right wrist	Diagnosis	ICD-10-CM
M08.932	Juvenile arthritis, unspecified, left wrist	Diagnosis	ICD-10-CM
M08.939	Juvenile arthritis, unspecified, unspecified wrist	Diagnosis	ICD-10-CM
M08.941	Juvenile arthritis, unspecified, right hand	Diagnosis	ICD-10-CM
M08.942	Juvenile arthritis, unspecified, left hand	Diagnosis	ICD-10-CM
M08.949	Juvenile arthritis, unspecified, unspecified hand	Diagnosis	ICD-10-CM
M08.951	Juvenile arthritis, unspecified, right hip	Diagnosis	ICD-10-CM
M08.952	Juvenile arthritis, unspecified, left hip	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M08.959	Juvenile arthritis, unspecified, unspecified hip	Diagnosis	ICD-10-CM
M08.961	Juvenile arthritis, unspecified, right knee	Diagnosis	ICD-10-CM
M08.962	Juvenile arthritis, unspecified, left knee	Diagnosis	ICD-10-CM
M08.969	Juvenile arthritis, unspecified, unspecified knee	Diagnosis	ICD-10-CM
M08.971	Juvenile arthritis, unspecified, right ankle and foot	Diagnosis	ICD-10-CM
M08.972	Juvenile arthritis, unspecified, left ankle and foot	Diagnosis	ICD-10-CM
M08.979	Juvenile arthritis, unspecified, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.98	Juvenile arthritis, unspecified, vertebrae	Diagnosis	ICD-10-CM
M08.99	Juvenile arthritis, unspecified, multiple sites	Diagnosis	ICD-10-CM
M15.0	Primary generalized (osteo)arthritis	Diagnosis	ICD-10-CM
M15.1	Heberden's nodes (with arthropathy)	Diagnosis	ICD-10-CM
M15.2	Bouchard's nodes (with arthropathy)	Diagnosis	ICD-10-CM
M15.3	Secondary multiple arthritis	Diagnosis	ICD-10-CM
M15.4	Erosive (osteo)arthritis	Diagnosis	ICD-10-CM
M15.8	Other polyosteoarthritis	Diagnosis	ICD-10-CM
M15.9	Polyosteoarthritis, unspecified	Diagnosis	ICD-10-CM
M16.0	Bilateral primary osteoarthritis of hip	Diagnosis	ICD-10-CM
M16.10	Unilateral primary osteoarthritis, unspecified hip	Diagnosis	ICD-10-CM
M16.11	Unilateral primary osteoarthritis, right hip	Diagnosis	ICD-10-CM
M16.12	Unilateral primary osteoarthritis, left hip	Diagnosis	ICD-10-CM
M16.2	Bilateral osteoarthritis resulting from hip dysplasia	Diagnosis	ICD-10-CM
M16.30	Unilateral osteoarthritis resulting from hip dysplasia, unspecified hip	Diagnosis	ICD-10-CM
M16.31	Unilateral osteoarthritis resulting from hip dysplasia, right hip	Diagnosis	ICD-10-CM
M16.32	Unilateral osteoarthritis resulting from hip dysplasia, left hip	Diagnosis	ICD-10-CM
M16.4	Bilateral post-traumatic osteoarthritis of hip	Diagnosis	ICD-10-CM
M16.50	Unilateral post-traumatic osteoarthritis, unspecified hip	Diagnosis	ICD-10-CM
M16.51	Unilateral post-traumatic osteoarthritis, right hip	Diagnosis	ICD-10-CM
M16.52	Unilateral post-traumatic osteoarthritis, left hip	Diagnosis	ICD-10-CM
M16.6	Other bilateral secondary osteoarthritis of hip	Diagnosis	ICD-10-CM
M16.7	Other unilateral secondary osteoarthritis of hip	Diagnosis	ICD-10-CM
M16.9	Osteoarthritis of hip, unspecified	Diagnosis	ICD-10-CM
M17.0	Bilateral primary osteoarthritis of knee	Diagnosis	ICD-10-CM
M17.10	Unilateral primary osteoarthritis, unspecified knee	Diagnosis	ICD-10-CM
M17.11	Unilateral primary osteoarthritis, right knee	Diagnosis	ICD-10-CM
M17.12	Unilateral primary osteoarthritis, left knee	Diagnosis	ICD-10-CM
M17.2	Bilateral post-traumatic osteoarthritis of knee	Diagnosis	ICD-10-CM
M17.30	Unilateral post-traumatic osteoarthritis, unspecified knee	Diagnosis	ICD-10-CM
M17.31	Unilateral post-traumatic osteoarthritis, right knee	Diagnosis	ICD-10-CM
M17.32	Unilateral post-traumatic osteoarthritis, left knee	Diagnosis	ICD-10-CM
M17.4	Other bilateral secondary osteoarthritis of knee	Diagnosis	ICD-10-CM
M17.5	Other unilateral secondary osteoarthritis of knee	Diagnosis	ICD-10-CM
M17.9	Osteoarthritis of knee, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M18.0	Bilateral primary osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M18.10	Unilateral primary osteoarthritis of first carpometacarpal joint, unspecified	Diagnosis	ICD-10-CM
M18.11	Unilateral primary osteoarthritis of first carpometacarpal joint, right hand	Diagnosis	ICD-10-CM
M18.12	Unilateral primary osteoarthritis of first carpometacarpal joint, left hand	Diagnosis	ICD-10-CM
M18.2	Bilateral post-traumatic osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M18.30	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, unspecified hand	Diagnosis	ICD-10-CM
M18.31	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, right	Diagnosis	ICD-10-CM
M18.32	Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, left hand	Diagnosis	ICD-10-CM
M18.4	Other bilateral secondary osteoarthritis of first carpometacarpal joints	Diagnosis	ICD-10-CM
M18.50	Other unilateral secondary osteoarthritis of first carpometacarpal joint, unspecified hand	Diagnosis	ICD-10-CM
M18.51	Other unilateral secondary osteoarthritis of first carpometacarpal joint, right	Diagnosis	ICD-10-CM
M18.52	Other unilateral secondary osteoarthritis of first carpometacarpal joint, left	Diagnosis	ICD-10-CM
M18.9	Osteoarthritis of first carpometacarpal joint, unspecified	Diagnosis	ICD-10-CM
M19.011	Primary osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19.012	Primary osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19.019	Primary osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19.021	Primary osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19.022	Primary osteoarthritis, left elbow	Diagnosis	ICD-10-CM
M19.029	Primary osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19.031	Primary osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19.032	Primary osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19.039	Primary osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19.041	Primary osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19.042	Primary osteoarthritis, left hand	Diagnosis	ICD-10-CM
M19.049	Primary osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19.071	Primary osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19.072	Primary osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19.079	Primary osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M19.111	Post-traumatic osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19.112	Post-traumatic osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19.119	Post-traumatic osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19.121	Post-traumatic osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19.122	Post-traumatic osteoarthritis, left elbow	Diagnosis	ICD-10-CM
M19.129	Post-traumatic osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19.131	Post-traumatic osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19.132	Post-traumatic osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19.139	Post-traumatic osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19.141	Post-traumatic osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19.142	Post-traumatic osteoarthritis, left hand	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M19.149	Post-traumatic osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19.171	Post-traumatic osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19.172	Post-traumatic osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19.179	Post-traumatic osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M19.211	Secondary osteoarthritis, right shoulder	Diagnosis	ICD-10-CM
M19.212	Secondary osteoarthritis, left shoulder	Diagnosis	ICD-10-CM
M19.219	Secondary osteoarthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M19.221	Secondary osteoarthritis, right elbow	Diagnosis	ICD-10-CM
M19.222	Secondary osteoarthritis, left elbow	Diagnosis	ICD-10-CM
M19.229	Secondary osteoarthritis, unspecified elbow	Diagnosis	ICD-10-CM
M19.231	Secondary osteoarthritis, right wrist	Diagnosis	ICD-10-CM
M19.232	Secondary osteoarthritis, left wrist	Diagnosis	ICD-10-CM
M19.239	Secondary osteoarthritis, unspecified wrist	Diagnosis	ICD-10-CM
M19.241	Secondary osteoarthritis, right hand	Diagnosis	ICD-10-CM
M19.242	Secondary osteoarthritis, left hand	Diagnosis	ICD-10-CM
M19.249	Secondary osteoarthritis, unspecified hand	Diagnosis	ICD-10-CM
M19.271	Secondary osteoarthritis, right ankle and foot	Diagnosis	ICD-10-CM
M19.272	Secondary osteoarthritis, left ankle and foot	Diagnosis	ICD-10-CM
M19.279	Secondary osteoarthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M19.90	Unspecified osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M19.91	Primary osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M19.92	Post-traumatic osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M19.93	Secondary osteoarthritis, unspecified site	Diagnosis	ICD-10-CM
M45.0	Ankylosing spondylitis of multiple sites in spine	Diagnosis	ICD-10-CM
M45.1	Ankylosing spondylitis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M45.2	Ankylosing spondylitis of cervical region	Diagnosis	ICD-10-CM
M45.3	Ankylosing spondylitis of cervicothoracic region	Diagnosis	ICD-10-CM
M45.4	Ankylosing spondylitis of thoracic region	Diagnosis	ICD-10-CM
M45.5	Ankylosing spondylitis of thoracolumbar region	Diagnosis	ICD-10-CM
M45.6	Ankylosing spondylitis lumbar region	Diagnosis	ICD-10-CM
M45.7	Ankylosing spondylitis of lumbosacral region	Diagnosis	ICD-10-CM
M45.8	Ankylosing spondylitis sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M45.9	Ankylosing spondylitis of unspecified sites in spine	Diagnosis	ICD-10-CM
M47.011	Anterior spinal artery compression syndromes, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.012	Anterior spinal artery compression syndromes, cervical region	Diagnosis	ICD-10-CM
M47.013	Anterior spinal artery compression syndromes, cervicothoracic region	Diagnosis	ICD-10-CM
M47.014	Anterior spinal artery compression syndromes, thoracic region	Diagnosis	ICD-10-CM
M47.015	Anterior spinal artery compression syndromes, thoracolumbar region	Diagnosis	ICD-10-CM
M47.016	Anterior spinal artery compression syndromes, lumbar region	Diagnosis	ICD-10-CM
M47.019	Anterior spinal artery compression syndromes, site unspecified	Diagnosis	ICD-10-CM
M47.021	Vertebral artery compression syndromes, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.022	Vertebral artery compression syndromes, cervical region	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
M47.029	Vertebral artery compression syndromes, site unspecified	Diagnosis	ICD-10-CM
M47.10	Other spondylosis with myelopathy, site unspecified	Diagnosis	ICD-10-CM
M47.11	Other spondylosis with myelopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.12	Other spondylosis with myelopathy, cervical region	Diagnosis	ICD-10-CM
M47.13	Other spondylosis with myelopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M47.20	Other spondylosis with radiculopathy, site unspecified	Diagnosis	ICD-10-CM
M47.21	Other spondylosis with radiculopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.22	Other spondylosis with radiculopathy, cervical region	Diagnosis	ICD-10-CM
M47.23	Other spondylosis with radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M47.24	Other spondylosis with radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M47.25	Other spondylosis with radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M47.26	Other spondylosis with radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M47.27	Other spondylosis with radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M47.28	Other spondylosis with radiculopathy, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M47.811	Spondylosis without myelopathy or radiculopathy, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.812	Spondylosis without myelopathy or radiculopathy, cervical region	Diagnosis	ICD-10-CM
M47.813	Spondylosis without myelopathy or radiculopathy, cervicothoracic region	Diagnosis	ICD-10-CM
M47.814	Spondylosis without myelopathy or radiculopathy, thoracic region	Diagnosis	ICD-10-CM
M47.815	Spondylosis without myelopathy or radiculopathy, thoracolumbar region	Diagnosis	ICD-10-CM
M47.816	Spondylosis without myelopathy or radiculopathy, lumbar region	Diagnosis	ICD-10-CM
M47.817	Spondylosis without myelopathy or radiculopathy, lumbosacral region	Diagnosis	ICD-10-CM
M47.818	Spondylosis without myelopathy or radiculopathy, sacral and sacrococcygeal	Diagnosis	ICD-10-CM
M47.819	Spondylosis without myelopathy or radiculopathy, site unspecified	Diagnosis	ICD-10-CM
M47.891	Other spondylosis, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M47.892	Other spondylosis, cervical region	Diagnosis	ICD-10-CM
M47.893	Other spondylosis, cervicothoracic region	Diagnosis	ICD-10-CM
M47.894	Other spondylosis, thoracic region	Diagnosis	ICD-10-CM
M47.895	Other spondylosis, thoracolumbar region	Diagnosis	ICD-10-CM
M47.896	Other spondylosis, lumbar region	Diagnosis	ICD-10-CM
M47.897	Other spondylosis, lumbosacral region	Diagnosis	ICD-10-CM
M47.898	Other spondylosis, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M47.899	Other spondylosis, site unspecified	Diagnosis	ICD-10-CM
M47.9	Spondylosis, unspecified	Diagnosis	ICD-10-CM
M48.8X1	Other specified spondylopathies, occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M48.8X2	Other specified spondylopathies, cervical region	Diagnosis	ICD-10-CM
M48.8X3	Other specified spondylopathies, cervicothoracic region	Diagnosis	ICD-10-CM
M48.8X4	Other specified spondylopathies, thoracic region	Diagnosis	ICD-10-CM
M48.8X5	Other specified spondylopathies, thoracolumbar region	Diagnosis	ICD-10-CM
M48.8X6	Other specified spondylopathies, lumbar region	Diagnosis	ICD-10-CM
M48.8X7	Other specified spondylopathies, lumbosacral region	Diagnosis	ICD-10-CM
M48.8X8	Other specified spondylopathies, sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M48.8X9	Other specified spondylopathies, site unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Stroke			
430	Subarachnoid hemorrhage	Diagnosis	ICD-9-CM
431	Intracerebral hemorrhage	Diagnosis	ICD-9-CM
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	Diagnosis	ICD-9-CM
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	Diagnosis	ICD-9-CM
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	Diagnosis	ICD-9-CM
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	Diagnosis	ICD-9-CM
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral	Diagnosis	ICD-9-CM
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	Diagnosis	ICD-9-CM
434.00	Cerebral thrombosis without mention of cerebral infarction	Diagnosis	ICD-9-CM
434.01	Cerebral thrombosis with cerebral infarction	Diagnosis	ICD-9-CM
434.10	Cerebral embolism without mention of cerebral infarction	Diagnosis	ICD-9-CM
434.11	Cerebral embolism with cerebral infarction	Diagnosis	ICD-9-CM
434.90	Unspecified cerebral artery occlusion without mention of cerebral infarction	Diagnosis	ICD-9-CM
434.91	Unspecified cerebral artery occlusion with cerebral infarction	Diagnosis	ICD-9-CM
435.0	Basilar artery syndrome	Diagnosis	ICD-9-CM
435.1	Vertebral artery syndrome	Diagnosis	ICD-9-CM
435.3	Vertebrobasilar artery syndrome	Diagnosis	ICD-9-CM
435.8	Other specified transient cerebral ischemias	Diagnosis	ICD-9-CM
435.9	Unspecified transient cerebral ischemia	Diagnosis	ICD-9-CM
436	Acute, but ill-defined, cerebrovascular disease	Diagnosis	ICD-9-CM
997.02	Iatrogenic cerebrovascular infarction or hemorrhage	Diagnosis	ICD-9-CM
G45.0	Vertebro-basilar artery syndrome	Diagnosis	ICD-10-CM
G45.1	Carotid artery syndrome (hemispheric)	Diagnosis	ICD-10-CM
G45.2	Multiple and bilateral precerebral artery syndromes	Diagnosis	ICD-10-CM
G45.8	Other transient cerebral ischemic attacks and related syndromes	Diagnosis	ICD-10-CM
G45.9	Transient cerebral ischemic attack, unspecified	Diagnosis	ICD-10-CM
G46.0	Middle cerebral artery syndrome	Diagnosis	ICD-10-CM
G46.1	Anterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G46.2	Posterior cerebral artery syndrome	Diagnosis	ICD-10-CM
G46.3	Brain stem stroke syndrome	Diagnosis	ICD-10-CM
G46.4	Cerebellar stroke syndrome	Diagnosis	ICD-10-CM
G46.5	Pure motor lacunar syndrome	Diagnosis	ICD-10-CM
G46.6	Pure sensory lacunar syndrome	Diagnosis	ICD-10-CM
G46.7	Other lacunar syndromes	Diagnosis	ICD-10-CM
G46.8	Other vascular syndromes of brain in cerebrovascular diseases	Diagnosis	ICD-10-CM
G97.31	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating a nervous system procedure	Diagnosis	ICD-10-CM
G97.32	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating other procedure	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
I60.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I60.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I60.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	Diagnosis	ICD-10-CM
I60.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral	Diagnosis	ICD-10-CM
I60.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	Diagnosis	ICD-10-CM
I60.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	Diagnosis	ICD-10-CM
I60.20	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating artery	Diagnosis	ICD-10-CM
I60.21	Nontraumatic subarachnoid hemorrhage from right anterior communicating	Diagnosis	ICD-10-CM
I60.22	Nontraumatic subarachnoid hemorrhage from left anterior communicating	Diagnosis	ICD-10-CM
I60.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	Diagnosis	ICD-10-CM
I60.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating	Diagnosis	ICD-10-CM
I60.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating	Diagnosis	ICD-10-CM
I60.4	Nontraumatic subarachnoid hemorrhage from basilar artery	Diagnosis	ICD-10-CM
I60.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	Diagnosis	ICD-10-CM
I60.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery	Diagnosis	ICD-10-CM
I60.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery	Diagnosis	ICD-10-CM
I60.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	Diagnosis	ICD-10-CM
I60.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	Diagnosis	ICD-10-CM
I60.8	Other nontraumatic subarachnoid hemorrhage	Diagnosis	ICD-10-CM
I60.9	Nontraumatic subarachnoid hemorrhage, unspecified	Diagnosis	ICD-10-CM
I61.0	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	Diagnosis	ICD-10-CM
I61.1	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	Diagnosis	ICD-10-CM
I61.2	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	Diagnosis	ICD-10-CM
I61.3	Nontraumatic intracerebral hemorrhage in brain stem	Diagnosis	ICD-10-CM
I61.4	Nontraumatic intracerebral hemorrhage in cerebellum	Diagnosis	ICD-10-CM
I61.5	Nontraumatic intracerebral hemorrhage, intraventricular	Diagnosis	ICD-10-CM
I61.6	Nontraumatic intracerebral hemorrhage, multiple localized	Diagnosis	ICD-10-CM
I61.8	Other nontraumatic intracerebral hemorrhage	Diagnosis	ICD-10-CM
I61.9	Nontraumatic intracerebral hemorrhage, unspecified	Diagnosis	ICD-10-CM
I63.00	Cerebral infarction due to thrombosis of unspecified precerebral artery	Diagnosis	ICD-10-CM
I63.011	Cerebral infarction due to thrombosis of right vertebral artery	Diagnosis	ICD-10-CM
I63.012	Cerebral infarction due to thrombosis of left vertebral artery	Diagnosis	ICD-10-CM
I63.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
I63.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	Diagnosis	ICD-10-CM
I63.02	Cerebral infarction due to thrombosis of basilar artery	Diagnosis	ICD-10-CM
I63.031	Cerebral infarction due to thrombosis of right carotid artery	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
163.032	Cerebral infarction due to thrombosis of left carotid artery	Diagnosis	ICD-10-CM
163.039	Cerebral infarction due to thrombosis of unspecified carotid artery	Diagnosis	ICD-10-CM
163.09	Cerebral infarction due to thrombosis of other precerebral artery	Diagnosis	ICD-10-CM
163.10	Cerebral infarction due to embolism of unspecified precerebral artery	Diagnosis	ICD-10-CM
163.111	Cerebral infarction due to embolism of right vertebral artery	Diagnosis	ICD-10-CM
163.112	Cerebral infarction due to embolism of left vertebral artery	Diagnosis	ICD-10-CM
163.119	Cerebral infarction due to embolism of unspecified vertebral artery	Diagnosis	ICD-10-CM
163.12	Cerebral infarction due to embolism of basilar artery	Diagnosis	ICD-10-CM
163.131	Cerebral infarction due to embolism of right carotid artery	Diagnosis	ICD-10-CM
163.132	Cerebral infarction due to embolism of left carotid artery	Diagnosis	ICD-10-CM
163.139	Cerebral infarction due to embolism of unspecified carotid artery	Diagnosis	ICD-10-CM
163.19	Cerebral infarction due to embolism of other precerebral artery	Diagnosis	ICD-10-CM
163.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	Diagnosis	ICD-10-CM
163.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral	Diagnosis	ICD-10-CM
163.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral	Diagnosis	ICD-10-CM
163.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	Diagnosis	ICD-10-CM
163.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	Diagnosis	ICD-10-CM
163.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery	Diagnosis	ICD-10-CM
163.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid	Diagnosis	ICD-10-CM
163.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid	Diagnosis	ICD-10-CM
163.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid	Diagnosis	ICD-10-CM
163.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	Diagnosis	ICD-10-CM
163.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	Diagnosis	ICD-10-CM
163.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
163.311	Cerebral infarction due to thrombosis of right middle cerebral artery	Diagnosis	ICD-10-CM
163.312	Cerebral infarction due to thrombosis of left middle cerebral artery	Diagnosis	ICD-10-CM
163.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
163.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
163.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
163.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
163.323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
163.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
163.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
163.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
163.333	Cerebral infarction to thrombosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
163.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
163.341	Cerebral infarction due to thrombosis of right cerebellar artery	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
I63.342	Cerebral infarction due to thrombosis of left cerebellar artery	Diagnosis	ICD-10-CM
I63.343	Cerebral infarction to thrombosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I63.39	Cerebral infarction due to thrombosis of other cerebral artery	Diagnosis	ICD-10-CM
I63.40	Cerebral infarction due to embolism of unspecified cerebral artery	Diagnosis	ICD-10-CM
I63.411	Cerebral infarction due to embolism of right middle cerebral artery	Diagnosis	ICD-10-CM
I63.412	Cerebral infarction due to embolism of left middle cerebral artery	Diagnosis	ICD-10-CM
I63.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I63.421	Cerebral infarction due to embolism of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63.422	Cerebral infarction due to embolism of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I63.431	Cerebral infarction due to embolism of right posterior cerebral artery	Diagnosis	ICD-10-CM
I63.432	Cerebral infarction due to embolism of left posterior cerebral artery	Diagnosis	ICD-10-CM
I63.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
I63.441	Cerebral infarction due to embolism of right cerebellar artery	Diagnosis	ICD-10-CM
I63.442	Cerebral infarction due to embolism of left cerebellar artery	Diagnosis	ICD-10-CM
I63.443	Cerebral infarction due to embolism of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery	Diagnosis	ICD-10-CM
I63.49	Cerebral infarction due to embolism of other cerebral artery	Diagnosis	ICD-10-CM
I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
I63.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
I63.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
163.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
163.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
163.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
163.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar	Diagnosis	ICD-10-CM
163.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar	Diagnosis	ICD-10-CM
163.543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	Diagnosis	ICD-10-CM
163.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	Diagnosis	ICD-10-CM
163.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral	Diagnosis	ICD-10-CM
163.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	Diagnosis	ICD-10-CM
163.8	Other cerebral infarction	Diagnosis	ICD-10-CM
163.9	Cerebral infarction, unspecified	Diagnosis	ICD-10-CM
166.01	Occlusion and stenosis of right middle cerebral artery	Diagnosis	ICD-10-CM
166.02	Occlusion and stenosis of left middle cerebral artery	Diagnosis	ICD-10-CM
166.03	Occlusion and stenosis of bilateral middle cerebral arteries	Diagnosis	ICD-10-CM
166.09	Occlusion and stenosis of unspecified middle cerebral artery	Diagnosis	ICD-10-CM
166.11	Occlusion and stenosis of right anterior cerebral artery	Diagnosis	ICD-10-CM
166.12	Occlusion and stenosis of left anterior cerebral artery	Diagnosis	ICD-10-CM
166.13	Occlusion and stenosis of bilateral anterior cerebral arteries	Diagnosis	ICD-10-CM
166.19	Occlusion and stenosis of unspecified anterior cerebral artery	Diagnosis	ICD-10-CM
166.21	Occlusion and stenosis of right posterior cerebral artery	Diagnosis	ICD-10-CM
166.22	Occlusion and stenosis of left posterior cerebral artery	Diagnosis	ICD-10-CM
166.23	Occlusion and stenosis of bilateral posterior cerebral arteries	Diagnosis	ICD-10-CM
166.29	Occlusion and stenosis of unspecified posterior cerebral artery	Diagnosis	ICD-10-CM
166.3	Occlusion and stenosis of cerebellar arteries	Diagnosis	ICD-10-CM
166.8	Occlusion and stenosis of other cerebral arteries	Diagnosis	ICD-10-CM
166.9	Occlusion and stenosis of unspecified cerebral artery	Diagnosis	ICD-10-CM
167.841	Reversible cerebrovascular vasoconstriction syndrome	Diagnosis	ICD-10-CM
167.848	Other cerebrovascular vasospasm and vasoconstriction	Diagnosis	ICD-10-CM
167.89	Other cerebrovascular disease	Diagnosis	ICD-10-CM
197.810	Intraoperative cerebrovascular infarction during cardiac surgery	Diagnosis	ICD-10-CM
197.811	Intraoperative cerebrovascular infarction during other surgery	Diagnosis	ICD-10-CM
197.820	Postprocedural cerebrovascular infarction following cardiac surgery	Diagnosis	ICD-10-CM
197.821	Postprocedural cerebrovascular infarction following other surgery	Diagnosis	ICD-10-CM
Breast Cancer			
174.0	Malignant neoplasm of nipple and areola of female breast	Diagnosis	ICD-9-CM
174.1	Malignant neoplasm of central portion of female breast	Diagnosis	ICD-9-CM
174.2	Malignant neoplasm of upper-inner quadrant of female breast	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
174.3	Malignant neoplasm of lower-inner quadrant of female breast	Diagnosis	ICD-9-CM
174.4	Malignant neoplasm of upper-outer quadrant of female breast	Diagnosis	ICD-9-CM
174.5	Malignant neoplasm of lower-outer quadrant of female breast	Diagnosis	ICD-9-CM
174.6	Malignant neoplasm of axillary tail of female breast	Diagnosis	ICD-9-CM
174.8	Malignant neoplasm of other specified sites of female breast	Diagnosis	ICD-9-CM
174.9	Malignant neoplasm of breast (female), unspecified site	Diagnosis	ICD-9-CM
175.0	Malignant neoplasm of nipple and areola of male breast	Diagnosis	ICD-9-CM
175.9	Malignant neoplasm of other and unspecified sites of male breast	Diagnosis	ICD-9-CM
233.0	Carcinoma in situ of breast	Diagnosis	ICD-9-CM
V10.3	Personal history of malignant neoplasm of breast	Diagnosis	ICD-9-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
C50.021	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
C50.111	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
C50.121	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
C50.211	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
C50.221	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
C50.311	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
C50.321	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
C50.411	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
C50.421	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
C50.511	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

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Code	Description	Code Category	Code Type
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	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
C50.611	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
C50.621	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
C50.811	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
C50.821	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
C50.911	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
C50.921	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
D05.00	Lobular carcinoma in situ of unspecified breast	Diagnosis	ICD-10-CM
D05.01	Lobular carcinoma in situ of right breast	Diagnosis	ICD-10-CM
D05.02	Lobular carcinoma in situ of left breast	Diagnosis	ICD-10-CM
D05.10	Intraductal carcinoma in situ of unspecified breast	Diagnosis	ICD-10-CM
D05.11	Intraductal carcinoma in situ of right breast	Diagnosis	ICD-10-CM
D05.12	Intraductal carcinoma in situ of left breast	Diagnosis	ICD-10-CM
D05.80	Other specified type of carcinoma in situ of unspecified breast	Diagnosis	ICD-10-CM
D05.81	Other specified type of carcinoma in situ of right breast	Diagnosis	ICD-10-CM
D05.82	Other specified type of carcinoma in situ of left breast	Diagnosis	ICD-10-CM
D05.90	Unspecified type of carcinoma in situ of unspecified breast	Diagnosis	ICD-10-CM
D05.91	Unspecified type of carcinoma in situ of right breast	Diagnosis	ICD-10-CM
D05.92	Unspecified type of carcinoma in situ of left breast	Diagnosis	ICD-10-CM
Z85.3	Personal history of malignant neoplasm of breast	Diagnosis	ICD-10-CM
Colorectal Cancer			
153.0	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-9-CM
153.1	Malignant neoplasm of transverse colon	Diagnosis	ICD-9-CM
153.2	Malignant neoplasm of descending colon	Diagnosis	ICD-9-CM
153.3	Malignant neoplasm of sigmoid colon	Diagnosis	ICD-9-CM
153.4	Malignant neoplasm of cecum	Diagnosis	ICD-9-CM
153.5	Malignant neoplasm of appendix	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
153.6	Malignant neoplasm of ascending colon	Diagnosis	ICD-9-CM
153.7	Malignant neoplasm of splenic flexure	Diagnosis	ICD-9-CM
153.8	Malignant neoplasm of other specified sites of large intestine	Diagnosis	ICD-9-CM
153.9	Malignant neoplasm of colon, unspecified site	Diagnosis	ICD-9-CM
154.0	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-9-CM
154.1	Malignant neoplasm of rectum	Diagnosis	ICD-9-CM
230.3	Carcinoma in situ of colon	Diagnosis	ICD-9-CM
230.4	Carcinoma in situ of rectum	Diagnosis	ICD-9-CM
V10.05	Personal history of malignant neoplasm of large intestine	Diagnosis	ICD-9-CM
V10.06	Personal history of malignant neoplasm of rectum, rectosigmoid junction, and	Diagnosis	ICD-9-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
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
D01.0	Carcinoma in situ of colon	Diagnosis	ICD-10-CM
D01.1	Carcinoma in situ of rectosigmoid junction	Diagnosis	ICD-10-CM
D01.2	Carcinoma in situ of rectum	Diagnosis	ICD-10-CM
Z85.038	Personal history of other malignant neoplasm of large intestine	Diagnosis	ICD-10-CM
Z85.040	Personal history of malignant carcinoid tumor of rectum	Diagnosis	ICD-10-CM
Z85.048	Personal history of other malignant neoplasm of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-10-CM
Prostate Cancer			
185	Malignant neoplasm of prostate	Diagnosis	ICD-9-CM
233.4	Carcinoma in situ of prostate	Diagnosis	ICD-9-CM
V10.46	Personal history of malignant neoplasm of prostate	Diagnosis	ICD-9-CM
C61	Malignant neoplasm of prostate	Diagnosis	ICD-10-CM
D07.5	Carcinoma in situ of prostate	Diagnosis	ICD-10-CM
Z85.46	Personal history of malignant neoplasm of prostate	Diagnosis	ICD-10-CM
Lung Cancer			
162.2	Malignant neoplasm of main bronchus	Diagnosis	ICD-9-CM
162.3	Malignant neoplasm of upper lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.4	Malignant neoplasm of middle lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.5	Malignant neoplasm of lower lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.8	Malignant neoplasm of other parts of bronchus or lung	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
162.9	Malignant neoplasm of bronchus and lung, unspecified site	Diagnosis	ICD-9-CM
231.2	Carcinoma in situ of bronchus and lung	Diagnosis	ICD-9-CM
V10.11	Personal history of malignant neoplasm of bronchus and lung	Diagnosis	ICD-9-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
C34.10	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
C34.30	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
C34.80	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
C34.90	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
D02.20	Carcinoma in situ of unspecified bronchus and lung	Diagnosis	ICD-10-CM
D02.21	Carcinoma in situ of right bronchus and lung	Diagnosis	ICD-10-CM
D02.22	Carcinoma in situ of left bronchus and lung	Diagnosis	ICD-10-CM
Z85.110	Personal history of malignant carcinoid tumor of bronchus and lung	Diagnosis	ICD-10-CM
Z85.118	Personal history of other malignant neoplasm of bronchus and lung	Diagnosis	ICD-10-CM
Endometrial Cancer			
182.0	Malignant neoplasm of corpus uteri, except isthmus	Diagnosis	ICD-9-CM
233.2	Carcinoma in situ of other and unspecified parts of uterus	Diagnosis	ICD-9-CM
V10.42	Personal history of malignant neoplasm of other parts of the uterus	Diagnosis	ICD-9-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
C54.9	Malignant neoplasm of corpus uteri, unspecified	Diagnosis	ICD-10-CM
D07.0	Carcinoma in situ of endometrium	Diagnosis	ICD-10-CM
Z85.42	Personal history of malignant neoplasm of other parts of uterus	Diagnosis	ICD-10-CM
Acquired Hypothyroidism Combination			
244.0	Postsurgical hypothyroidism	Diagnosis	ICD-9-CM
244.1	Other postablative hypothyroidism	Diagnosis	ICD-9-CM
244.2	Iodine hypothyroidism	Diagnosis	ICD-9-CM
244.3	Other iatrogenic hypothyroidism	Diagnosis	ICD-9-CM
244.8	Other specified acquired hypothyroidism	Diagnosis	ICD-9-CM
244.9	Unspecified hypothyroidism	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
E01.8	Other iodine-deficiency related thyroid disorders and allied conditions	Diagnosis	ICD-10-CM
E02	Subclinical iodine-deficiency hypothyroidism	Diagnosis	ICD-10-CM
E03.2	Hypothyroidism due to medicaments and other exogenous substances	Diagnosis	ICD-10-CM
E03.3	Postinfectious hypothyroidism	Diagnosis	ICD-10-CM
E03.8	Other specified hypothyroidism	Diagnosis	ICD-10-CM
E03.9	Hypothyroidism, unspecified	Diagnosis	ICD-10-CM
E89.0	Postprocedural hypothyroidism	Diagnosis	ICD-10-CM
Asthma Combination			
493.00	Extrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.01	Extrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.02	Extrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.10	Intrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.11	Intrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.12	Intrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.20	Chronic obstructive asthma, unspecified	Diagnosis	ICD-9-CM
493.21	Chronic obstructive asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.22	Chronic obstructive asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.81	Exercise induced bronchospasm	Diagnosis	ICD-9-CM
493.82	Cough variant asthma	Diagnosis	ICD-9-CM
493.90	Asthma, unspecified, unspecified status	Diagnosis	ICD-9-CM
493.91	Asthma, unspecified with status asthmaticus	Diagnosis	ICD-9-CM
493.92	Asthma, unspecified, with (acute) exacerbation	Diagnosis	ICD-9-CM
J45.20	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.21	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.22	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.30	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.31	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.32	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.40	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.41	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.42	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.50	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.51	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.52	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.990	Exercise induced bronchospasm	Diagnosis	ICD-10-CM
J45.991	Cough variant asthma	Diagnosis	ICD-10-CM
J45.998	Other asthma	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Endometrial Cancer Combination			
182.0	Malignant neoplasm of corpus uteri, except isthmus	Diagnosis	ICD-9-CM
233.2	Carcinoma in situ of other and unspecified parts of uterus	Diagnosis	ICD-9-CM
V10.42	Personal history of malignant neoplasm of other parts of the uterus	Diagnosis	ICD-9-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
C54.9	Malignant neoplasm of corpus uteri, unspecified	Diagnosis	ICD-10-CM
D07.0	Carcinoma in situ of endometrium	Diagnosis	ICD-10-CM
Z85.42	Personal history of malignant neoplasm of other parts of uterus	Diagnosis	ICD-10-CM
Obesity			
278.00	Obesity, unspecified	Diagnosis	ICD-9-CM
278.01	Morbid obesity	Diagnosis	ICD-9-CM
539.0	Complications of gastric band procedure	Diagnosis	ICD-9-CM
539.01	Infection due to gastric band procedure	Diagnosis	ICD-9-CM
539.09	Other complications of gastric band procedure	Diagnosis	ICD-9-CM
539.8	Complications of other bariatric procedure	Diagnosis	ICD-9-CM
539.81	Infection due to other bariatric procedure	Diagnosis	ICD-9-CM
539.89	Other complications of other bariatric procedure	Diagnosis	ICD-9-CM
649.1	Obesity complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.10	Obesity complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.11	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.12	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.13	Obesity complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.14	Obesity complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
649.2	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.20	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.21	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.22	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.23	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.24	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
V85.3	Body Mass Index between 30-39, adult	Diagnosis	ICD-9-CM
V85.30	Body Mass Index 30.0-30.9, adult	Diagnosis	ICD-9-CM
V85.31	Body Mass Index 31.0-31.9, adult	Diagnosis	ICD-9-CM
V85.32	Body Mass Index 32.0-32.9, adult	Diagnosis	ICD-9-CM
V85.33	Body Mass Index 33.0-33.9, adult	Diagnosis	ICD-9-CM
V85.34	Body Mass Index 34.0-34.9, adult	Diagnosis	ICD-9-CM
V85.35	Body Mass Index 35.0-35.9, adult	Diagnosis	ICD-9-CM
V85.36	Body Mass Index 36.0-36.9, adult	Diagnosis	ICD-9-CM
V85.37	Body Mass Index 37.0-37.9, adult	Diagnosis	ICD-9-CM
V85.38	Body Mass Index 38.0-38.9, adult	Diagnosis	ICD-9-CM
V85.39	Body Mass Index 39.0-39.9, adult	Diagnosis	ICD-9-CM
V85.4	Body Mass Index 40 and over, adult	Diagnosis	ICD-9-CM
V85.41	Body Mass Index 40.0-44.9, adult	Diagnosis	ICD-9-CM
V85.42	Body Mass Index 45.0-49.9, adult	Diagnosis	ICD-9-CM
V85.43	Body Mass Index 50.0-59.9, adult	Diagnosis	ICD-9-CM
V85.44	Body Mass Index 60.0-69.9, adult	Diagnosis	ICD-9-CM
V85.45	Body Mass Index 70 and over, adult	Diagnosis	ICD-9-CM
E66.01	Morbid (severe) obesity due to excess calories	Diagnosis	ICD-10-CM
E66.09	Other obesity due to excess calories	Diagnosis	ICD-10-CM
E66.1	Drug-induced obesity	Diagnosis	ICD-10-CM
E66.8	Other obesity	Diagnosis	ICD-10-CM
E66.9	Obesity, unspecified	Diagnosis	ICD-10-CM
K95.01	Infection due to gastric band procedure	Diagnosis	ICD-10-CM
K95.09	Other complications of gastric band procedure	Diagnosis	ICD-10-CM
K95.81	Infection due to other bariatric procedure	Diagnosis	ICD-10-CM
K95.89	Other complications of other bariatric procedure	Diagnosis	ICD-10-CM
O99.210	Obesity complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.211	Obesity complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.212	Obesity complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.213	Obesity complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.214	Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99.215	Obesity complicating the puerperium	Diagnosis	ICD-10-CM
O99.840	Bariatric surgery status complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.841	Bariatric surgery status complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.842	Bariatric surgery status complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.843	Bariatric surgery status complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM
O99.845	Bariatric surgery status complicating the puerperium	Diagnosis	ICD-10-CM
Z68.30	Body mass index (BMI) 30.0-30.9, adult	Diagnosis	ICD-10-CM
Z68.31	Body mass index (BMI) 31.0-31.9, adult	Diagnosis	ICD-10-CM
Z68.32	Body mass index (BMI) 32.0-32.9, adult	Diagnosis	ICD-10-CM
Z68.33	Body mass index (BMI) 33.0-33.9, adult	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Z68.34	Body mass index (BMI) 34.0-34.9, adult	Diagnosis	ICD-10-CM
Z68.35	Body mass index (BMI) 35.0-35.9, adult	Diagnosis	ICD-10-CM
Z68.36	Body mass index (BMI) 36.0-36.9, adult	Diagnosis	ICD-10-CM
Z68.37	Body mass index (BMI) 37.0-37.9, adult	Diagnosis	ICD-10-CM
Z68.38	Body mass index (BMI) 38.0-38.9, adult	Diagnosis	ICD-10-CM
Z68.39	Body mass index (BMI) 39.0-39.9, adult	Diagnosis	ICD-10-CM
Z68.41	Body mass index (BMI) 40.0-44.9, adult	Diagnosis	ICD-10-CM
Z68.42	Body mass index (BMI) 45.0-49.9, adult	Diagnosis	ICD-10-CM
Z68.43	Body mass index (BMI) 50-59.9, adult	Diagnosis	ICD-10-CM
Z68.44	Body mass index (BMI) 60.0-69.9, adult	Diagnosis	ICD-10-CM
Z68.45	Body mass index (BMI) 70 or greater, adult	Diagnosis	ICD-10-CM
43644	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and Roux-en-Y gastroenterostomy (roux limb 150 cm or less)	Procedure	CPT-4
43645	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and small intestine reconstruction to limit absorption	Procedure	CPT-4
43770	Laparoscopy, surgical, gastric restrictive procedure; placement of adjustable gastric restrictive device (eg, gastric band and subcutaneous port components)	Procedure	CPT-4
43842	Gastric restrictive procedure, without gastric bypass, for morbid obesity; vertical-banded gastroplasty	Procedure	CPT-4
43843	Gastric restrictive procedure, without gastric bypass, for morbid obesity; other than vertical-banded gastroplasty	Procedure	CPT-4
43845	Gastric restrictive procedure with partial gastrectomy, pylorus-preserving duodenoileostomy and ileoileostomy (50 to 100 cm common channel) to limit absorption (biliopancreatic diversion with duodenal switch)	Procedure	CPT-4
43846	Gastric restrictive procedure, with gastric bypass for morbid obesity; with short limb (150 cm or less) Roux-en-Y gastroenterostomy	Procedure	CPT-4
43847	Gastric restrictive procedure, with gastric bypass for morbid obesity; with small intestine reconstruction to limit absorption	Procedure	CPT-4
43.89	Open and other partial gastrectomy	Procedure	ICD-9-CM
44.38	Laparoscopic gastroenterostomy	Procedure	ICD-9-CM
44.39	Other gastroenterostomy without gastrectomy	Procedure	ICD-9-CM
44.68	Laparoscopic gastroplasty	Procedure	ICD-9-CM
44.95	Laparoscopic gastric restrictive procedure	Procedure	ICD-9-CM
45.51	Isolation of segment of small intestine	Procedure	ICD-9-CM
45.91	Small-to-small intestinal anastomosis	Procedure	ICD-9-CM
0D16079	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D160J9	Bypass Stomach to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JB	Bypass Stomach to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D160JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D160KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D160KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160Z9	Bypass Stomach to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D160ZB	Bypass Stomach to Ileum, Open Approach	Procedure	ICD-10-PCS
0D160ZL	Bypass Stomach to Transverse Colon, Open Approach	Procedure	ICD-10-PCS
0D16479	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164J9	Bypass Stomach to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JA	Bypass Stomach to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JB	Bypass Stomach to Ileum with Synthetic Substitute, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0D164JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164Z9	Bypass Stomach to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZA	Bypass Stomach to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZB	Bypass Stomach to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZL	Bypass Stomach to Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D16879	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D1687B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168J9	Bypass Stomach to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JA	Bypass Stomach to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JB	Bypass Stomach to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168Z9	Bypass Stomach to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZB	Bypass Stomach to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZL	Bypass Stomach to Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D19079	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D1907A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D1907B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JB	Bypass Duodenum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D190KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D190Z9	Bypass Duodenum to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D190ZA	Bypass Duodenum to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D190ZB	Bypass Duodenum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D19479	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
0D1947A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1947B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194JB	Bypass Duodenum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194Z9	Bypass Duodenum to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZA	Bypass Duodenum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZB	Bypass Duodenum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D19879	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JB	Bypass Duodenum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198Z9	Bypass Duodenum to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZA	Bypass Duodenum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZB	Bypass Duodenum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A07A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A07B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
0D1A0JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0JB	Bypass Jejunum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Open	Procedure	ICD-10-PCS
0D1A0KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0ZA	Bypass Jejunum to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D1A0ZB	Bypass Jejunum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D1A47A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A47B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JB	Bypass Jejunum to Ileum with Synthetic Substitute, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0D1A4KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZA	Bypass Jejunum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZB	Bypass Jejunum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A87A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A87B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JB	Bypass Jejunum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZA	Bypass Jejunum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZB	Bypass Jejunum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZH	Bypass Jejunum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B07B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0JB	Bypass Ileum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0ZB	Bypass Ileum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D1B47B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4JB	Bypass Ileum to Ileum with Synthetic Substitute, Percutaneous Endoscopic	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D1B4KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4ZB	Bypass Ileum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B87B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8JB	Bypass Ileum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZB	Bypass Ileum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZH	Bypass Ileum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DB60Z3	Excision of Stomach, Open Approach, Vertical	Procedure	ICD-10-PCS
0DB60ZZ	Excision of Stomach, Open Approach	Procedure	ICD-10-PCS
0DB63Z3	Excision of Stomach, Percutaneous Approach, Vertical	Procedure	ICD-10-PCS
0DB63ZZ	Excision of Stomach, Percutaneous Approach	Procedure	ICD-10-PCS
0DB67Z3	Excision of Stomach, Via Natural or Artificial Opening, Vertical	Procedure	ICD-10-PCS
0DB67ZZ	Excision of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB68Z3	Excision of Stomach, Via Natural or Artificial Opening Endoscopic, Vertical	Procedure	ICD-10-PCS
0DB80ZZ	Excision of Small Intestine, Open Approach	Procedure	ICD-10-PCS
0DB90ZZ	Excision of Duodenum, Open Approach	Procedure	ICD-10-PCS
0DBB0ZZ	Excision of Ileum, Open Approach	Procedure	ICD-10-PCS
0DQ64ZZ	Repair Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DV64CZ	Restriction of Stomach with Extraluminal Device, Percutaneous Endoscopic	Procedure	ICD-10-PCS
0F190Z3	Bypass Common Bile Duct to Duodenum, Open Approach	Procedure	ICD-10-PCS
OTRB07Z	Replacement of Bladder with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
278.03	Obesity hypoventilation syndrome	Diagnosis	ICD-9-CM
E66.2	Morbid (severe) obesity with alveolar hypoventilation	Diagnosis	ICD-10-CM
Overweight			
278.02	Overweight	Diagnosis	ICD-9-CM
V85.2	Body Mass Index between 25-29, adult	Diagnosis	ICD-9-CM
V85.21	Body Mass Index 25.0-25.9, adult	Diagnosis	ICD-9-CM
V85.22	Body Mass Index 26.0-26.9, adult	Diagnosis	ICD-9-CM
V85.23	Body Mass Index 27.0-27.9, adult	Diagnosis	ICD-9-CM
V85.24	Body Mass Index 28.0-28.9, adult	Diagnosis	ICD-9-CM
V85.25	Body Mass Index 29.0-29.9, adult	Diagnosis	ICD-9-CM
E66.3	Overweight	Diagnosis	ICD-10-CM
Z68.25	Body mass index (BMI) 25.0-25.9, adult	Diagnosis	ICD-10-CM
Z68.26	Body mass index (BMI) 26.0-26.9, adult	Diagnosis	ICD-10-CM
Z68.27	Body mass index (BMI) 27.0-27.9, adult	Diagnosis	ICD-10-CM
Z68.28	Body mass index (BMI) 28.0-28.9, adult	Diagnosis	ICD-10-CM
Z68.29	Body mass index (BMI) 29.0-29.9, adult	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Smoking			
305.1	Nondependent tobacco use disorder	Diagnosis	ICD-9-CM
649.0	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.00	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.01	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.02	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.03	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.04	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
989.84	Toxic effect of tobacco	Diagnosis	ICD-9-CM
V15.82	Personal history of tobacco use, presenting hazards to health	Diagnosis	ICD-9-CM
F17.200	Nicotine dependence, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F17.201	Nicotine dependence, unspecified, in remission	Diagnosis	ICD-10-CM
F17.210	Nicotine dependence, cigarettes, uncomplicated	Diagnosis	ICD-10-CM
F17.211	Nicotine dependence, cigarettes, in remission	Diagnosis	ICD-10-CM
F17.220	Nicotine dependence, chewing tobacco, uncomplicated	Diagnosis	ICD-10-CM
F17.221	Nicotine dependence, chewing tobacco, in remission	Diagnosis	ICD-10-CM
F17.290	Nicotine dependence, other tobacco product, uncomplicated	Diagnosis	ICD-10-CM
F17.291	Nicotine dependence, other tobacco product, in remission	Diagnosis	ICD-10-CM
O99.330	Smoking (tobacco) complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.331	Smoking (tobacco) complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.332	Smoking (tobacco) complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.333	Smoking (tobacco) complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.334	Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM
O99.335	Smoking (tobacco) complicating the puerperium	Diagnosis	ICD-10-CM
T65.211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65.212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65.213A	Toxic effect of chewing tobacco, assault, initial encounter	Diagnosis	ICD-10-CM
T65.214A	Toxic effect of chewing tobacco, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65.221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65.222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65.223A	Toxic effect of tobacco cigarettes, assault, initial encounter	Diagnosis	ICD-10-CM
T65.224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65.291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial	Diagnosis	ICD-10-CM
T65.292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial	Diagnosis	ICD-10-CM
T65.293A	Toxic effect of other tobacco and nicotine, assault, initial encounter	Diagnosis	ICD-10-CM
T65.294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter	Diagnosis	ICD-10-CM
Z87.891	Personal history of nicotine dependence	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
99406	Smoking and tobacco use cessation counseling visit; intermediate, greater than 3 minutes up to 10 minutes	Procedure	CPT-4
99407	Smoking and tobacco use cessation counseling visit; intensive, greater than 10 minutes	Procedure	CPT-4
S9075	Smoking cessation treatment	Procedure	HCPCS
S9453	Smoking cessation classes, nonphysician provider, per session	Procedure	HCPCS
Alcohol Abuse			
291.0	Alcohol withdrawal delirium	Diagnosis	ICD-9-CM
291.1	Alcohol-induced persisting amnesic disorder	Diagnosis	ICD-9-CM
291.2	Alcohol-induced persisting dementia	Diagnosis	ICD-9-CM
291.3	Alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-9-CM
291.4	Idiosyncratic alcohol intoxication	Diagnosis	ICD-9-CM
291.5	Alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-9-CM
291.8	Other specified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
291.81	Alcohol withdrawal	Diagnosis	ICD-9-CM
291.82	Alcohol induced sleep disorders	Diagnosis	ICD-9-CM
291.89	Other specified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
291.9	Unspecified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
303.0	Acute alcoholic intoxication	Diagnosis	ICD-9-CM
303.00	Acute alcoholic intoxication, unspecified	Diagnosis	ICD-9-CM
303.01	Acute alcoholic intoxication, continuous	Diagnosis	ICD-9-CM
303.02	Acute alcoholic intoxication, episodic	Diagnosis	ICD-9-CM
303.03	Acute alcoholic intoxication, in remission	Diagnosis	ICD-9-CM
303.9	Other and unspecified alcohol dependence	Diagnosis	ICD-9-CM
303.90	Other and unspecified alcohol dependence, unspecified	Diagnosis	ICD-9-CM
303.91	Other and unspecified alcohol dependence, continuous	Diagnosis	ICD-9-CM
303.92	Other and unspecified alcohol dependence, episodic	Diagnosis	ICD-9-CM
303.93	Other and unspecified alcohol dependence, in remission	Diagnosis	ICD-9-CM
305.0	Nondependent alcohol abuse	Diagnosis	ICD-9-CM
305.00	Nondependent alcohol abuse, unspecified	Diagnosis	ICD-9-CM
305.01	Nondependent alcohol abuse, continuous	Diagnosis	ICD-9-CM
305.02	Nondependent alcohol abuse, episodic	Diagnosis	ICD-9-CM
305.03	Nondependent alcohol abuse, in remission	Diagnosis	ICD-9-CM
357.5	Alcoholic polyneuropathy	Diagnosis	ICD-9-CM
425.5	Alcoholic cardiomyopathy	Diagnosis	ICD-9-CM
571.0	Alcoholic fatty liver	Diagnosis	ICD-9-CM
571.1	Acute alcoholic hepatitis	Diagnosis	ICD-9-CM
571.2	Alcoholic cirrhosis of liver	Diagnosis	ICD-9-CM
571.3	Unspecified alcoholic liver damage	Diagnosis	ICD-9-CM
E860.0	Accidental poisoning by alcoholic beverages	Diagnosis	ICD-9-CM
V11.3	Personal history of alcoholism	Diagnosis	ICD-9-CM
F10.10	Alcohol abuse, uncomplicated	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F10.11	Alcohol abuse, in remission	Diagnosis	ICD-10-CM
F10.120	Alcohol abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F10.121	Alcohol abuse with intoxication delirium	Diagnosis	ICD-10-CM
F10.129	Alcohol abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F10.14	Alcohol abuse with alcohol-induced mood disorder	Diagnosis	ICD-10-CM
F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10.151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10.159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F10.180	Alcohol abuse with alcohol-induced anxiety disorder	Diagnosis	ICD-10-CM
F10.181	Alcohol abuse with alcohol-induced sexual dysfunction	Diagnosis	ICD-10-CM
F10.182	Alcohol abuse with alcohol-induced sleep disorder	Diagnosis	ICD-10-CM
F10.188	Alcohol abuse with other alcohol-induced disorder	Diagnosis	ICD-10-CM
F10.19	Alcohol abuse with unspecified alcohol-induced disorder	Diagnosis	ICD-10-CM
F10.20	Alcohol dependence, uncomplicated	Diagnosis	ICD-10-CM
F10.21	Alcohol dependence, in remission	Diagnosis	ICD-10-CM
F10.220	Alcohol dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F10.221	Alcohol dependence with intoxication delirium	Diagnosis	ICD-10-CM
F10.229	Alcohol dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F10.230	Alcohol dependence with withdrawal, uncomplicated	Diagnosis	ICD-10-CM
F10.231	Alcohol dependence with withdrawal delirium	Diagnosis	ICD-10-CM
F10.232	Alcohol dependence with withdrawal with perceptual disturbance	Diagnosis	ICD-10-CM
F10.239	Alcohol dependence with withdrawal, unspecified	Diagnosis	ICD-10-CM
F10.24	Alcohol dependence with alcohol-induced mood disorder	Diagnosis	ICD-10-CM
F10.250	Alcohol dependence with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10.251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10.259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F10.26	Alcohol dependence with alcohol-induced persisting amnestic disorder	Diagnosis	ICD-10-CM
F10.27	Alcohol dependence with alcohol-induced persisting dementia	Diagnosis	ICD-10-CM
F10.280	Alcohol dependence with alcohol-induced anxiety disorder	Diagnosis	ICD-10-CM
F10.281	Alcohol dependence with alcohol-induced sexual dysfunction	Diagnosis	ICD-10-CM
F10.282	Alcohol dependence with alcohol-induced sleep disorder	Diagnosis	ICD-10-CM
F10.288	Alcohol dependence with other alcohol-induced disorder	Diagnosis	ICD-10-CM
F10.29	Alcohol dependence with unspecified alcohol-induced disorder	Diagnosis	ICD-10-CM
F10.920	Alcohol use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F10.921	Alcohol use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F10.929	Alcohol use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F10.94	Alcohol use, unspecified with alcohol-induced mood disorder	Diagnosis	ICD-10-CM
F10.950	Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F10.951	Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F10.959	Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F10.96	Alcohol use, unspecified with alcohol-induced persisting amnesic disorder	Diagnosis	ICD-10-CM
F10.97	Alcohol use, unspecified with alcohol-induced persisting dementia	Diagnosis	ICD-10-CM
F10.980	Alcohol use, unspecified with alcohol-induced anxiety disorder	Diagnosis	ICD-10-CM
F10.981	Alcohol use, unspecified with alcohol-induced sexual dysfunction	Diagnosis	ICD-10-CM
F10.982	Alcohol use, unspecified with alcohol-induced sleep disorder	Diagnosis	ICD-10-CM
F10.988	Alcohol use, unspecified with other alcohol-induced disorder	Diagnosis	ICD-10-CM
F10.99	Alcohol use, unspecified with unspecified alcohol-induced disorder	Diagnosis	ICD-10-CM
G62.1	Alcoholic polyneuropathy	Diagnosis	ICD-10-CM
I42.6	Alcoholic cardiomyopathy	Diagnosis	ICD-10-CM
K70.0	Alcoholic fatty liver	Diagnosis	ICD-10-CM
K70.10	Alcoholic hepatitis without ascites	Diagnosis	ICD-10-CM
K70.11	Alcoholic hepatitis with ascites	Diagnosis	ICD-10-CM
K70.2	Alcoholic fibrosis and sclerosis of liver	Diagnosis	ICD-10-CM
K70.30	Alcoholic cirrhosis of liver without ascites	Diagnosis	ICD-10-CM
K70.31	Alcoholic cirrhosis of liver with ascites	Diagnosis	ICD-10-CM
K70.40	Alcoholic hepatic failure without coma	Diagnosis	ICD-10-CM
K70.41	Alcoholic hepatic failure with coma	Diagnosis	ICD-10-CM
K70.9	Alcoholic liver disease, unspecified	Diagnosis	ICD-10-CM
Z65.8	Other specified problems related to psychosocial circumstances	Diagnosis	ICD-10-CM
535.3	Alcoholic gastritis	Diagnosis	ICD-9-CM
535.30	Alcoholic gastritis without mention of hemorrhage	Diagnosis	ICD-9-CM
535.31	Alcoholic gastritis with hemorrhage	Diagnosis	ICD-9-CM
790.3	Excessive blood level of alcohol	Diagnosis	ICD-9-CM
K29.20	Alcoholic gastritis without bleeding	Diagnosis	ICD-10-CM
K29.21	Alcoholic gastritis with bleeding	Diagnosis	ICD-10-CM
R78.0	Finding of alcohol in blood	Diagnosis	ICD-10-CM
94.46	Alcoholism counseling	Procedure	ICD-9-CM
94.53	Referral for alcoholism rehabilitation	Procedure	ICD-9-CM
94.6	Alcohol and drug rehabilitation and detoxification	Procedure	ICD-9-CM
94.61	Alcohol rehabilitation	Procedure	ICD-9-CM
94.62	Alcohol detoxification	Procedure	ICD-9-CM
94.63	Alcohol rehabilitation and detoxification	Procedure	ICD-9-CM
94.67	Combined alcohol and drug rehabilitation	Procedure	ICD-9-CM
94.68	Combined alcohol and drug detoxification	Procedure	ICD-9-CM
94.69	Combined alcohol and drug rehabilitation and detoxification	Procedure	ICD-9-CM
HZ2ZZZZ	Detoxification Services for Substance Abuse Treatment	Procedure	ICD-10-PCS
HZ30ZZZ	Individual Counseling for Substance Abuse Treatment, Cognitive	Procedure	ICD-10-PCS
HZ31ZZZ	Individual Counseling for Substance Abuse Treatment, Behavioral	Procedure	ICD-10-PCS
HZ32ZZZ	Individual Counseling for Substance Abuse Treatment, Cognitive-Behavioral	Procedure	ICD-10-PCS
HZ33ZZZ	Individual Counseling for Substance Abuse Treatment, 12-Step	Procedure	ICD-10-PCS
HZ34ZZZ	Individual Counseling for Substance Abuse Treatment, Interpersonal	Procedure	ICD-10-PCS
HZ35ZZZ	Individual Counseling for Substance Abuse Treatment, Vocational	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
HZ36ZZZ	Individual Counseling for Substance Abuse Treatment, Psychoeducation	Procedure	ICD-10-PCS
HZ37ZZZ	Individual Counseling for Substance Abuse Treatment, Motivational Enhancement	Procedure	ICD-10-PCS
HZ38ZZZ	Individual Counseling for Substance Abuse Treatment, Confrontational	Procedure	ICD-10-PCS
HZ39ZZZ	Individual Counseling for Substance Abuse Treatment, Continuing Care	Procedure	ICD-10-PCS
HZ3BZZZ	Individual Counseling for Substance Abuse Treatment, Spiritual	Procedure	ICD-10-PCS
HZ40ZZZ	Group Counseling for Substance Abuse Treatment, Cognitive	Procedure	ICD-10-PCS
HZ41ZZZ	Group Counseling for Substance Abuse Treatment, Behavioral	Procedure	ICD-10-PCS
HZ42ZZZ	Group Counseling for Substance Abuse Treatment, Cognitive-Behavioral	Procedure	ICD-10-PCS
HZ43ZZZ	Group Counseling for Substance Abuse Treatment, 12-Step	Procedure	ICD-10-PCS
HZ44ZZZ	Group Counseling for Substance Abuse Treatment, Interpersonal	Procedure	ICD-10-PCS
HZ45ZZZ	Group Counseling for Substance Abuse Treatment, Vocational	Procedure	ICD-10-PCS
HZ46ZZZ	Group Counseling for Substance Abuse Treatment, Psychoeducation	Procedure	ICD-10-PCS
HZ47ZZZ	Group Counseling for Substance Abuse Treatment, Motivational Enhancement	Procedure	ICD-10-PCS
HZ48ZZZ	Group Counseling for Substance Abuse Treatment, Confrontational	Procedure	ICD-10-PCS
HZ49ZZZ	Group Counseling for Substance Abuse Treatment, Continuing Care	Procedure	ICD-10-PCS
HZ4BZZZ	Group Counseling for Substance Abuse Treatment, Spiritual	Procedure	ICD-10-PCS
HZ50ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Cognitive	Procedure	ICD-10-PCS
HZ51ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Behavioral	Procedure	ICD-10-PCS
HZ52ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Cognitive-Behavioral	Procedure	ICD-10-PCS
HZ53ZZZ	Individual Psychotherapy for Substance Abuse Treatment, 12-Step	Procedure	ICD-10-PCS
HZ54ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Interpersonal	Procedure	ICD-10-PCS
HZ55ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Interactive	Procedure	ICD-10-PCS
HZ56ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Psychoeducation	Procedure	ICD-10-PCS
HZ57ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Motivational	Procedure	ICD-10-PCS
HZ58ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Confrontational	Procedure	ICD-10-PCS
HZ59ZZZ	Individual Psychotherapy for Substance Abuse Treatment, Supportive	Procedure	ICD-10-PCS
HZ5BZZZ	Individual Psychotherapy for Substance Abuse Treatment, Psychoanalysis	Procedure	ICD-10-PCS
HZ5CZZZ	Individual Psychotherapy for Substance Abuse Treatment, Psychodynamic	Procedure	ICD-10-PCS
HZ5DZZZ	Individual Psychotherapy for Substance Abuse Treatment, Psychophysiological	Procedure	ICD-10-PCS
HZ63ZZZ	Family Counseling for Substance Abuse Treatment	Procedure	ICD-10-PCS
HZ83ZZZ	Medication Management for Substance Abuse Treatment, Antabuse	Procedure	ICD-10-PCS
HZ86ZZZ	Medication Management for Substance Abuse Treatment, Clonidine	Procedure	ICD-10-PCS
HZ88ZZZ	Medication Management for Substance Abuse Treatment, Psychiatric	Procedure	ICD-10-PCS
HZ89ZZZ	Medication Management for Substance Abuse Treatment, Other Replacement Medication	Procedure	ICD-10-PCS
HZ93ZZZ	Pharmacotherapy for Substance Abuse Treatment, Antabuse	Procedure	ICD-10-PCS
HZ96ZZZ	Pharmacotherapy for Substance Abuse Treatment, Clonidine	Procedure	ICD-10-PCS
HZ98ZZZ	Pharmacotherapy for Substance Abuse Treatment, Psychiatric Medication	Procedure	ICD-10-PCS
HZ99ZZZ	Pharmacotherapy for Substance Abuse Treatment, Other Replacement Medication	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
Drug Abuse			
292.0	Drug withdrawal	Diagnosis	ICD-9-CM
292.1	Drug-induced psychotic disorder	Diagnosis	ICD-9-CM
292.11	Drug-induced psychotic disorder with delusions	Diagnosis	ICD-9-CM
292.12	Drug-induced psychotic disorder with hallucinations	Diagnosis	ICD-9-CM
292.2	Pathological drug intoxication	Diagnosis	ICD-9-CM
292.8	Other specified drug-induced mental disorders	Diagnosis	ICD-9-CM
292.81	Drug-induced delirium	Diagnosis	ICD-9-CM
292.82	Drug-induced persisting dementia	Diagnosis	ICD-9-CM
292.83	Drug-induced persisting amnesic disorder	Diagnosis	ICD-9-CM
292.84	Drug-induced mood disorder	Diagnosis	ICD-9-CM
292.85	Drug induced sleep disorders	Diagnosis	ICD-9-CM
292.89	Other specified drug-induced mental disorder	Diagnosis	ICD-9-CM
292.9	Unspecified drug-induced mental disorder	Diagnosis	ICD-9-CM
305.2	Nondependent cannabis abuse	Diagnosis	ICD-9-CM
305.20	Nondependent cannabis abuse, unspecified	Diagnosis	ICD-9-CM
305.21	Nondependent cannabis abuse, continuous	Diagnosis	ICD-9-CM
305.22	Nondependent cannabis abuse, episodic	Diagnosis	ICD-9-CM
305.23	Nondependent cannabis abuse, in remission	Diagnosis	ICD-9-CM
305.3	Nondependent hallucinogen abuse	Diagnosis	ICD-9-CM
305.30	Nondependent hallucinogen abuse, unspecified	Diagnosis	ICD-9-CM
305.31	Nondependent hallucinogen abuse, continuous	Diagnosis	ICD-9-CM
305.32	Nondependent hallucinogen abuse, episodic	Diagnosis	ICD-9-CM
305.33	Nondependent hallucinogen abuse, in remission	Diagnosis	ICD-9-CM
305.4	Nondependent sedative, hypnotic or anxiolytic abuse	Diagnosis	ICD-9-CM
305.40	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified	Diagnosis	ICD-9-CM
305.41	Nondependent sedative hypnotic or anxiolytic abuse, continuous	Diagnosis	ICD-9-CM
305.42	Nondependent sedative, hypnotic or anxiolytic abuse, episodic	Diagnosis	ICD-9-CM
305.43	Nondependent sedative, hypnotic or anxiolytic abuse, in remission	Diagnosis	ICD-9-CM
305.5	Nondependent opioid abuse	Diagnosis	ICD-9-CM
305.50	Nondependent opioid abuse, unspecified	Diagnosis	ICD-9-CM
305.51	Nondependent opioid abuse, continuous	Diagnosis	ICD-9-CM
305.52	Nondependent opioid abuse, episodic	Diagnosis	ICD-9-CM
305.53	Nondependent opioid abuse, in remission	Diagnosis	ICD-9-CM
305.6	Nondependent cocaine abuse	Diagnosis	ICD-9-CM
305.60	Nondependent cocaine abuse, unspecified	Diagnosis	ICD-9-CM
305.61	Nondependent cocaine abuse, continuous	Diagnosis	ICD-9-CM
305.62	Nondependent cocaine abuse, episodic	Diagnosis	ICD-9-CM
305.63	Nondependent cocaine abuse, in remission	Diagnosis	ICD-9-CM
305.7	Nondependent amphetamine or related acting sympathomimetic abuse	Diagnosis	ICD-9-CM
305.70	Nondependent amphetamine or related acting sympathomimetic abuse, unspecified	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
305.71	Nondependent amphetamine or related acting sympathomimetic abuse, continuous	Diagnosis	ICD-9-CM
305.72	Nondependent amphetamine or related acting sympathomimetic abuse,	Diagnosis	ICD-9-CM
305.73	Nondependent amphetamine or related acting sympathomimetic abuse, in	Diagnosis	ICD-9-CM
305.8	Nondependent antidepressant type abuse	Diagnosis	ICD-9-CM
305.80	Nondependent antidepressant type abuse, unspecified	Diagnosis	ICD-9-CM
305.81	Nondependent antidepressant type abuse, continuous	Diagnosis	ICD-9-CM
305.82	Nondependent antidepressant type abuse, episodic	Diagnosis	ICD-9-CM
305.83	Nondependent antidepressant type abuse, in remission	Diagnosis	ICD-9-CM
305.9	Other, mixed, or unspecified nondependent drug abuse	Diagnosis	ICD-9-CM
305.90	Other, mixed, or unspecified nondependent drug abuse, unspecified	Diagnosis	ICD-9-CM
305.91	Other, mixed, or unspecified nondependent drug abuse, continuous	Diagnosis	ICD-9-CM
305.92	Other, mixed, or unspecified nondependent drug abuse, episodic	Diagnosis	ICD-9-CM
305.93	Other, mixed, or unspecified nondependent drug abuse, in remission	Diagnosis	ICD-9-CM
648.3	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
648.30	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	Diagnosis	ICD-9-CM
648.31	Maternal drug dependence, with delivery	Diagnosis	ICD-9-CM
648.32	Maternal drug dependence, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
648.33	Maternal drug dependence, antepartum	Diagnosis	ICD-9-CM
648.34	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
F11.10	Opioid abuse, uncomplicated	Diagnosis	ICD-10-CM
F11.11	Opioid abuse, in remission	Diagnosis	ICD-10-CM
F11.120	Opioid abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F11.121	Opioid abuse with intoxication delirium	Diagnosis	ICD-10-CM
F11.122	Opioid abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F11.129	Opioid abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F11.14	Opioid abuse with opioid-induced mood disorder	Diagnosis	ICD-10-CM
F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F11.151	Opioid abuse with opioid-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F11.159	Opioid abuse with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11.181	Opioid abuse with opioid-induced sexual dysfunction	Diagnosis	ICD-10-CM
F11.182	Opioid abuse with opioid-induced sleep disorder	Diagnosis	ICD-10-CM
F11.188	Opioid abuse with other opioid-induced disorder	Diagnosis	ICD-10-CM
F11.19	Opioid abuse with unspecified opioid-induced disorder	Diagnosis	ICD-10-CM
F11.220	Opioid dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F11.221	Opioid dependence with intoxication delirium	Diagnosis	ICD-10-CM
F11.222	Opioid dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F11.229	Opioid dependence with intoxication, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F11.23	Opioid dependence with withdrawal	Diagnosis	ICD-10-CM
F11.24	Opioid dependence with opioid-induced mood disorder	Diagnosis	ICD-10-CM
F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F11.251	Opioid dependence with opioid-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11.281	Opioid dependence with opioid-induced sexual dysfunction	Diagnosis	ICD-10-CM
F11.282	Opioid dependence with opioid-induced sleep disorder	Diagnosis	ICD-10-CM
F11.288	Opioid dependence with other opioid-induced disorder	Diagnosis	ICD-10-CM
F11.29	Opioid dependence with unspecified opioid-induced disorder	Diagnosis	ICD-10-CM
F11.90	Opioid use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F11.920	Opioid use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F11.921	Opioid use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F11.922	Opioid use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F11.929	Opioid use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F11.93	Opioid use, unspecified with withdrawal	Diagnosis	ICD-10-CM
F11.94	Opioid use, unspecified with opioid-induced mood disorder	Diagnosis	ICD-10-CM
F11.950	Opioid use, unspecified with opioid-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F11.951	Opioid use, unspecified with opioid-induced psychotic disorder with	Diagnosis	ICD-10-CM
F11.959	Opioid use, unspecified with opioid-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F11.981	Opioid use, unspecified with opioid-induced sexual dysfunction	Diagnosis	ICD-10-CM
F11.982	Opioid use, unspecified with opioid-induced sleep disorder	Diagnosis	ICD-10-CM
F11.988	Opioid use, unspecified with other opioid-induced disorder	Diagnosis	ICD-10-CM
F11.99	Opioid use, unspecified with unspecified opioid-induced disorder	Diagnosis	ICD-10-CM
F12.10	Cannabis abuse, uncomplicated	Diagnosis	ICD-10-CM
F12.11	Cannabis abuse, in remission	Diagnosis	ICD-10-CM
F12.120	Cannabis abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.121	Cannabis abuse with intoxication delirium	Diagnosis	ICD-10-CM
F12.122	Cannabis abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.129	Cannabis abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.150	Cannabis abuse with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12.151	Cannabis abuse with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.159	Cannabis abuse with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12.180	Cannabis abuse with cannabis-induced anxiety disorder	Diagnosis	ICD-10-CM
F12.188	Cannabis abuse with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.19	Cannabis abuse with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.220	Cannabis dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.221	Cannabis dependence with intoxication delirium	Diagnosis	ICD-10-CM
F12.222	Cannabis dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.229	Cannabis dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.250	Cannabis dependence with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12.251	Cannabis dependence with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.259	Cannabis dependence with psychotic disorder, unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F12.280	Cannabis dependence with cannabis-induced anxiety disorder	Diagnosis	ICD-10-CM
F12.288	Cannabis dependence with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.29	Cannabis dependence with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.90	Cannabis use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F12.920	Cannabis use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.921	Cannabis use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.929	Cannabis use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.950	Cannabis use, unspecified with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12.951	Cannabis use, unspecified with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.959	Cannabis use, unspecified with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12.980	Cannabis use, unspecified with anxiety disorder	Diagnosis	ICD-10-CM
F12.988	Cannabis use, unspecified with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated	Diagnosis	ICD-10-CM
F13.11	Sedative, hypnotic or anxiolytic abuse, in remission	Diagnosis	ICD-10-CM
F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F13.121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium	Diagnosis	ICD-10-CM
F13.129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F13.14	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder	Diagnosis	ICD-10-CM
F13.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13.151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F13.159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13.180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder	Diagnosis	ICD-10-CM
F13.181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction	Diagnosis	ICD-10-CM
F13.182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder	Diagnosis	ICD-10-CM
F13.188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F13.19	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F13.221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium	Diagnosis	ICD-10-CM
F13.229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F13.230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated	Diagnosis	ICD-10-CM
F13.231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance	Diagnosis	ICD-10-CM
F13.239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified	Diagnosis	ICD-10-CM
F13.24	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder	Diagnosis	ICD-10-CM
F13.250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13.251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F13.259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13.26	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnestic disorder	Diagnosis	ICD-10-CM
F13.27	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia	Diagnosis	ICD-10-CM
F13.280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder	Diagnosis	ICD-10-CM
F13.281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction	Diagnosis	ICD-10-CM
F13.282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder	Diagnosis	ICD-10-CM
F13.288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F13.29	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F13.90	Sedative, hypnotic, or anxiolytic use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F13.920	Sedative, hypnotic or anxiolytic use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F13.921	Sedative, hypnotic or anxiolytic use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F13.929	Sedative, hypnotic or anxiolytic use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F13.930	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, uncomplicated	Diagnosis	ICD-10-CM
F13.931	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal delirium	Diagnosis	ICD-10-CM
F13.932	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal with perceptual disturbances	Diagnosis	ICD-10-CM
F13.939	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, unspecified	Diagnosis	ICD-10-CM
F13.94	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced mood disorder	Diagnosis	ICD-10-CM
F13.950	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F13.951	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F13.959	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F13.96	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder	Diagnosis	ICD-10-CM
F13.97	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting dementia	Diagnosis	ICD-10-CM
F13.980	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced anxiety disorder	Diagnosis	ICD-10-CM
F13.981	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sexual dysfunction	Diagnosis	ICD-10-CM
F13.982	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sleep disorder	Diagnosis	ICD-10-CM
F13.988	Sedative, hypnotic or anxiolytic use, unspecified with other sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F13.99	Sedative, hypnotic or anxiolytic use, unspecified with unspecified sedative, hypnotic or anxiolytic-induced disorder	Diagnosis	ICD-10-CM
F14.10	Cocaine abuse, uncomplicated	Diagnosis	ICD-10-CM
F14.11	Cocaine abuse, in remission	Diagnosis	ICD-10-CM
F14.120	Cocaine abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F14.121	Cocaine abuse with intoxication with delirium	Diagnosis	ICD-10-CM
F14.122	Cocaine abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F14.129	Cocaine abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F14.14	Cocaine abuse with cocaine-induced mood disorder	Diagnosis	ICD-10-CM
F14.150	Cocaine abuse with cocaine-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F14.151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14.159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14.180	Cocaine abuse with cocaine-induced anxiety disorder	Diagnosis	ICD-10-CM
F14.181	Cocaine abuse with cocaine-induced sexual dysfunction	Diagnosis	ICD-10-CM
F14.182	Cocaine abuse with cocaine-induced sleep disorder	Diagnosis	ICD-10-CM
F14.188	Cocaine abuse with other cocaine-induced disorder	Diagnosis	ICD-10-CM
F14.19	Cocaine abuse with unspecified cocaine-induced disorder	Diagnosis	ICD-10-CM
F14.220	Cocaine dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F14.221	Cocaine dependence with intoxication delirium	Diagnosis	ICD-10-CM
F14.222	Cocaine dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F14.229	Cocaine dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F14.23	Cocaine dependence with withdrawal	Diagnosis	ICD-10-CM
F14.24	Cocaine dependence with cocaine-induced mood disorder	Diagnosis	ICD-10-CM
F14.250	Cocaine dependence with cocaine-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F14.251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14.259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14.280	Cocaine dependence with cocaine-induced anxiety disorder	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
F14.281	Cocaine dependence with cocaine-induced sexual dysfunction	Diagnosis	ICD-10-CM
F14.282	Cocaine dependence with cocaine-induced sleep disorder	Diagnosis	ICD-10-CM
F14.288	Cocaine dependence with other cocaine-induced disorder	Diagnosis	ICD-10-CM
F14.29	Cocaine dependence with unspecified cocaine-induced disorder	Diagnosis	ICD-10-CM
F14.90	Cocaine use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F14.920	Cocaine use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F14.921	Cocaine use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F14.922	Cocaine use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F14.929	Cocaine use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F14.94	Cocaine use, unspecified with cocaine-induced mood disorder	Diagnosis	ICD-10-CM
F14.950	Cocaine use, unspecified with cocaine-induced psychotic disorder with	Diagnosis	ICD-10-CM
F14.951	Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F14.959	Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F14.980	Cocaine use, unspecified with cocaine-induced anxiety disorder	Diagnosis	ICD-10-CM
F14.981	Cocaine use, unspecified with cocaine-induced sexual dysfunction	Diagnosis	ICD-10-CM
F14.982	Cocaine use, unspecified with cocaine-induced sleep disorder	Diagnosis	ICD-10-CM
F14.988	Cocaine use, unspecified with other cocaine-induced disorder	Diagnosis	ICD-10-CM
F14.99	Cocaine use, unspecified with unspecified cocaine-induced disorder	Diagnosis	ICD-10-CM
F15.10	Other stimulant abuse, uncomplicated	Diagnosis	ICD-10-CM
F15.11	Other stimulant abuse, in remission	Diagnosis	ICD-10-CM
F15.120	Other stimulant abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F15.121	Other stimulant abuse with intoxication delirium	Diagnosis	ICD-10-CM
F15.122	Other stimulant abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F15.129	Other stimulant abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F15.14	Other stimulant abuse with stimulant-induced mood disorder	Diagnosis	ICD-10-CM
F15.150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F15.151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F15.159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15.180	Other stimulant abuse with stimulant-induced anxiety disorder	Diagnosis	ICD-10-CM
F15.181	Other stimulant abuse with stimulant-induced sexual dysfunction	Diagnosis	ICD-10-CM
F15.182	Other stimulant abuse with stimulant-induced sleep disorder	Diagnosis	ICD-10-CM
F15.188	Other stimulant abuse with other stimulant-induced disorder	Diagnosis	ICD-10-CM
F15.19	Other stimulant abuse with unspecified stimulant-induced disorder	Diagnosis	ICD-10-CM
F15.220	Other stimulant dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F15.221	Other stimulant dependence with intoxication delirium	Diagnosis	ICD-10-CM
F15.222	Other stimulant dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F15.229	Other stimulant dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F15.23	Other stimulant dependence with withdrawal	Diagnosis	ICD-10-CM
F15.24	Other stimulant dependence with stimulant-induced mood disorder	Diagnosis	ICD-10-CM
F15.250	Other stimulant dependence with stimulant-induced psychotic disorder with	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
F15.251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F15.259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15.280	Other stimulant dependence with stimulant-induced anxiety disorder	Diagnosis	ICD-10-CM
F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction	Diagnosis	ICD-10-CM
F15.282	Other stimulant dependence with stimulant-induced sleep disorder	Diagnosis	ICD-10-CM
F15.288	Other stimulant dependence with other stimulant-induced disorder	Diagnosis	ICD-10-CM
F15.29	Other stimulant dependence with unspecified stimulant-induced disorder	Diagnosis	ICD-10-CM
F15.90	Other stimulant use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F15.920	Other stimulant use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F15.921	Other stimulant use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F15.922	Other stimulant use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F15.929	Other stimulant use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F15.93	Other stimulant use, unspecified with withdrawal	Diagnosis	ICD-10-CM
F15.94	Other stimulant use, unspecified with stimulant-induced mood disorder	Diagnosis	ICD-10-CM
F15.950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F15.951	Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F15.959	Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F15.980	Other stimulant use, unspecified with stimulant-induced anxiety disorder	Diagnosis	ICD-10-CM
F15.981	Other stimulant use, unspecified with stimulant-induced sexual dysfunction	Diagnosis	ICD-10-CM
F15.982	Other stimulant use, unspecified with stimulant-induced sleep disorder	Diagnosis	ICD-10-CM
F15.988	Other stimulant use, unspecified with other stimulant-induced disorder	Diagnosis	ICD-10-CM
F15.99	Other stimulant use, unspecified with unspecified stimulant-induced disorder	Diagnosis	ICD-10-CM
F16.10	Hallucinogen abuse, uncomplicated	Diagnosis	ICD-10-CM
F16.11	Hallucinogen abuse, in remission	Diagnosis	ICD-10-CM
F16.120	Hallucinogen abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F16.121	Hallucinogen abuse with intoxication with delirium	Diagnosis	ICD-10-CM
F16.122	Hallucinogen abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F16.129	Hallucinogen abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F16.14	Hallucinogen abuse with hallucinogen-induced mood disorder	Diagnosis	ICD-10-CM
F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with	Diagnosis	ICD-10-CM
F16.151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F16.159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16.180	Hallucinogen abuse with hallucinogen-induced anxiety disorder	Diagnosis	ICD-10-CM
F16.183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
F16.188	Hallucinogen abuse with other hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F16.19	Hallucinogen abuse with unspecified hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F16.220	Hallucinogen dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F16.221	Hallucinogen dependence with intoxication with delirium	Diagnosis	ICD-10-CM
F16.229	Hallucinogen dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F16.24	Hallucinogen dependence with hallucinogen-induced mood disorder	Diagnosis	ICD-10-CM
F16.250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with	Diagnosis	ICD-10-CM
F16.251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F16.259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16.280	Hallucinogen dependence with hallucinogen-induced anxiety disorder	Diagnosis	ICD-10-CM
F16.283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)	Diagnosis	ICD-10-CM
F16.288	Hallucinogen dependence with other hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F16.90	Hallucinogen use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F16.920	Hallucinogen use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F16.921	Hallucinogen use, unspecified with intoxication with delirium	Diagnosis	ICD-10-CM
F16.929	Hallucinogen use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F16.94	Hallucinogen use, unspecified with hallucinogen-induced mood disorder	Diagnosis	ICD-10-CM
F16.950	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F16.951	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F16.959	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F16.980	Hallucinogen use, unspecified with hallucinogen-induced anxiety disorder	Diagnosis	ICD-10-CM
F16.983	Hallucinogen use, unspecified with hallucinogen persisting perception disorder (flashbacks)	Diagnosis	ICD-10-CM
F16.988	Hallucinogen use, unspecified with other hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F16.99	Hallucinogen use, unspecified with unspecified hallucinogen-induced disorder	Diagnosis	ICD-10-CM
F17.203	Nicotine dependence unspecified, with withdrawal	Diagnosis	ICD-10-CM
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.213	Nicotine dependence, cigarettes, with withdrawal	Diagnosis	ICD-10-CM
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.223	Nicotine dependence, chewing tobacco, with withdrawal	Diagnosis	ICD-10-CM
F17.228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced	Diagnosis	ICD-10-CM
F17.293	Nicotine dependence, other tobacco product, with withdrawal	Diagnosis	ICD-10-CM

Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
F17.298	Nicotine dependence, other tobacco product, with other nicotine-induced	Diagnosis	ICD-10-CM
F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F18.10	Inhalant abuse, uncomplicated	Diagnosis	ICD-10-CM
F18.11	Inhalant abuse, in remission	Diagnosis	ICD-10-CM
F18.120	Inhalant abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F18.121	Inhalant abuse with intoxication delirium	Diagnosis	ICD-10-CM
F18.129	Inhalant abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F18.14	Inhalant abuse with inhalant-induced mood disorder	Diagnosis	ICD-10-CM
F18.150	Inhalant abuse with inhalant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F18.151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18.159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18.17	Inhalant abuse with inhalant-induced dementia	Diagnosis	ICD-10-CM
F18.180	Inhalant abuse with inhalant-induced anxiety disorder	Diagnosis	ICD-10-CM
F18.188	Inhalant abuse with other inhalant-induced disorder	Diagnosis	ICD-10-CM
F18.19	Inhalant abuse with unspecified inhalant-induced disorder	Diagnosis	ICD-10-CM
F18.220	Inhalant dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F18.221	Inhalant dependence with intoxication delirium	Diagnosis	ICD-10-CM
F18.229	Inhalant dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F18.24	Inhalant dependence with inhalant-induced mood disorder	Diagnosis	ICD-10-CM
F18.250	Inhalant dependence with inhalant-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F18.251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18.259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18.27	Inhalant dependence with inhalant-induced dementia	Diagnosis	ICD-10-CM
F18.280	Inhalant dependence with inhalant-induced anxiety disorder	Diagnosis	ICD-10-CM
F18.288	Inhalant dependence with other inhalant-induced disorder	Diagnosis	ICD-10-CM
F18.29	Inhalant dependence with unspecified inhalant-induced disorder	Diagnosis	ICD-10-CM
F18.90	Inhalant use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F18.920	Inhalant use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F18.921	Inhalant use, unspecified with intoxication with delirium	Diagnosis	ICD-10-CM
F18.929	Inhalant use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F18.94	Inhalant use, unspecified with inhalant-induced mood disorder	Diagnosis	ICD-10-CM
F18.950	Inhalant use, unspecified with inhalant-induced psychotic disorder with	Diagnosis	ICD-10-CM
F18.951	Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F18.959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F18.97	Inhalant use, unspecified with inhalant-induced persisting dementia	Diagnosis	ICD-10-CM
F18.980	Inhalant use, unspecified with inhalant-induced anxiety disorder	Diagnosis	ICD-10-CM
F18.988	Inhalant use, unspecified with other inhalant-induced disorder	Diagnosis	ICD-10-CM
F18.99	Inhalant use, unspecified with unspecified inhalant-induced disorder	Diagnosis	ICD-10-CM
F19.10	Other psychoactive substance abuse, uncomplicated	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F19.11	Other psychoactive substance abuse, in remission	Diagnosis	ICD-10-CM
F19.120	Other psychoactive substance abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F19.121	Other psychoactive substance abuse with intoxication delirium	Diagnosis	ICD-10-CM
F19.122	Other psychoactive substance abuse with intoxication with perceptual disturbances	Diagnosis	ICD-10-CM
F19.129	Other psychoactive substance abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F19.14	Other psychoactive substance abuse with psychoactive substance-induced mood disorder	Diagnosis	ICD-10-CM
F19.150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19.151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19.159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19.16	Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder	Diagnosis	ICD-10-CM
F19.17	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
F19.180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder	Diagnosis	ICD-10-CM
F19.181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction	Diagnosis	ICD-10-CM
F19.182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder	Diagnosis	ICD-10-CM
F19.188	Other psychoactive substance abuse with other psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F19.19	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F19.21	Other psychoactive substance dependence, in remission	Diagnosis	ICD-10-CM
F19.220	Other psychoactive substance dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F19.221	Other psychoactive substance dependence with intoxication delirium	Diagnosis	ICD-10-CM
F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F19.229	Other psychoactive substance dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated	Diagnosis	ICD-10-CM
F19.231	Other psychoactive substance dependence with withdrawal delirium	Diagnosis	ICD-10-CM
F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance	Diagnosis	ICD-10-CM
F19.239	Other psychoactive substance dependence with withdrawal, unspecified	Diagnosis	ICD-10-CM
F19.24	Other psychoactive substance dependence with psychoactive substance-induced mood disorder	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F19.250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19.251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19.259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19.26	Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder	Diagnosis	ICD-10-CM
F19.27	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
F19.280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder	Diagnosis	ICD-10-CM
F19.281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction	Diagnosis	ICD-10-CM
F19.282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder	Diagnosis	ICD-10-CM
F19.288	Other psychoactive substance dependence with other psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F19.90	Other psychoactive substance use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F19.920	Other psychoactive substance use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F19.921	Other psychoactive substance use, unspecified with intoxication with delirium	Diagnosis	ICD-10-CM
F19.922	Other psychoactive substance use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F19.929	Other psychoactive substance use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F19.930	Other psychoactive substance use, unspecified with withdrawal, uncomplicated	Diagnosis	ICD-10-CM
F19.931	Other psychoactive substance use, unspecified with withdrawal delirium	Diagnosis	ICD-10-CM
F19.932	Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance	Diagnosis	ICD-10-CM
F19.939	Other psychoactive substance use, unspecified with withdrawal, unspecified	Diagnosis	ICD-10-CM
F19.94	Other psychoactive substance use, unspecified with psychoactive substance-induced mood disorder	Diagnosis	ICD-10-CM
F19.950	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions	Diagnosis	ICD-10-CM
F19.951	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F19.959	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F19.96	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting amnesic disorder	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
F19.97	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia	Diagnosis	ICD-10-CM
F19.980	Other psychoactive substance use, unspecified with psychoactive substance-induced anxiety disorder	Diagnosis	ICD-10-CM
F19.981	Other psychoactive substance use, unspecified with psychoactive substance-induced sexual dysfunction	Diagnosis	ICD-10-CM
F19.982	Other psychoactive substance use, unspecified with psychoactive substance-induced sleep disorder	Diagnosis	ICD-10-CM
F19.988	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F19.99	Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder	Diagnosis	ICD-10-CM
F55.0	Abuse of antacids	Diagnosis	ICD-10-CM
F55.1	Abuse of herbal or folk remedies	Diagnosis	ICD-10-CM
F55.2	Abuse of laxatives	Diagnosis	ICD-10-CM
F55.3	Abuse of steroids or hormones	Diagnosis	ICD-10-CM
F55.4	Abuse of vitamins	Diagnosis	ICD-10-CM
F55.8	Abuse of other non-psychoactive substances	Diagnosis	ICD-10-CM
O99.320	Drug use complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.321	Drug use complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.322	Drug use complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.323	Drug use complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.324	Drug use complicating childbirth	Diagnosis	ICD-10-CM
O99.325	Drug use complicating the puerperium	Diagnosis	ICD-10-CM
Coronary Artery Bypass Surgery			
V45.81	Postprocedural aortocoronary bypass status	Diagnosis	ICD-9-CM
V45.82	Postprocedural percutaneous transluminal coronary angioplasty status	Diagnosis	ICD-9-CM
Z95.1	Presence of aortocoronary bypass graft	Diagnosis	ICD-10-CM
Z95.5	Presence of coronary angioplasty implant and graft	Diagnosis	ICD-10-CM
Z98.61	Coronary angioplasty status	Diagnosis	ICD-10-CM
History of Cardiac Arrest			
V12.53	Personal history of sudden cardiac arrest	Diagnosis	ICD-9-CM
Z86.74	Personal history of sudden cardiac arrest	Diagnosis	ICD-10-CM

Appendix F. List of Generic Drug Names Used to Define Baseline Characteristics of Interest in this Request

Generic Name

Obesity

phendimetrazine tartrate
phentermine HCl
phentermine HCl/topiramate
benzphetamine HCl
diethylpropion HCl
phentermine resin
orlistat
sibutramine HCl m-hydrate
lorcaserin HCl

Smoking

nicotine
nicotine polacrilex
varenicline tartrate
bupropion HCl
silver nitrate
nicotine bitartrate

Appendix G. Specifications Defining Parameters in this Request

This request utilized the Cohort Identification and Descriptive Analysis (CIDA) module, version 7.3.3 to observe baseline characteristics and investigate follow-up time among new users of entities (NMEs) approved in 2014 in the Sentinel Distributed Database (SDD).

Query Period: January 1, 2014 to August 31, 2018
Enrollment Gap: 45 days
Age Groups: 0-18, 19-64, 65+ years
Enrollment Requirement: 365 days
Coverage Requirement: Medical and Drug Coverage
Follow-up intervals: 1-364, 365-729, 730-1094, 1095-1459, 1460-1824, 1825+ days

Scenario	Drug/Exposure				Follow-up		
	Exposure	Incident with respect to:	Care Setting	Washout (Days)	Cohort Definition	Follow-up Start	Follow-up End
1	APREMILAST	APREMILAST	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
2	BELINOSTAT	BELINOSTAT	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
3	CEFTOLOZANE/ TAZOBACTAM	CEFTOLOZANE/ TAZOBACTAM	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
4	CERITINIB	CERITINIB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
5	DALBAVANCIN	DALBAVANCIN	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
6	DAPAGLIFLOZIN	DAPAGLIFLOZIN	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
7	DROXIDOPA	DROXIDOPA	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
8	EFINACONAZOLE	EFINACONAZOLE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
9	ELIGLUSTAT	ELIGLUSTAT	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
10	EMPAGLIFLOZIN	EMPAGLIFLOZIN	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)

Appendix G. Specifications Defining Parameters in this Request

Scenario	Drug/Exposure				Follow-up		
	Exposure	Incident with respect to:	Care Setting	Washout (Days)	Cohort Definition	Follow-up Start	Follow-up End
11	IDELALISIB	IDELALISIB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
12	LEDIPASVIR AND SOFOSBUVIR	LEDIPASVIR AND SOFOSBUVIR	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
13	MILTEFOSINE	MILTEFOSINE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
14	NALOXEGOL	NALOXEGOL	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
15	NETUPITANT AND PALONOSETRON	NETUPITANT AND PALONOSETRON	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
16	NINTEDANIB	NINTEDANIB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
17	OLAPARIB	OLAPARIB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
18	OLODATEROL	OLODATEROL	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
19	OMBITASVIR, PARITAPREVIR, RITONAVIR, DASABUVIR	OMBITASVIR, PARITAPREVIR, RITONAVIR, DASABUVIR	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
20	ORITAVANCIN DIPHOSPHATE	ORITAVANCIN DIPHOSPHATE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
21	PERAMIVIR	PERAMIVIR	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
22	PIRFENIDONE	PIRFENIDONE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
23	SULFUR HEXAFLUORIDE LIPID- TYPE A MICROSPHERES	SULFUR HEXAFLUORIDE LIPID- TYPE A MICROSPHERES	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)

Appendix G. Specifications Defining Parameters in this Request

Scenario	Drug/Exposure				Follow-up		
	Exposure	Incident with respect to:	Care Setting	Washout (Days)	Cohort Definition	Follow-up Start	Follow-up End
24	SUVOREXANT MK-4305	SUVOREXANT MK-4305	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
25	TASIMELTEON	TASIMELTEON	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
26	TAVABOROLE	TAVABOROLE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
27	TEDIZOLID PHOSPHATE	TEDIZOLID PHOSPHATE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
28	VORAPAXAR	VORAPAXAR	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
29	ELOSULFASE ALFA	ELOSULFASE ALFA	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
30	METRELEPTIN	METRELEPTIN	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
31	ALBIGLUTIDE	ALBIGLUTIDE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
32	RAMUCIRUMAB	RAMUCIRUMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
33	SILTUXIMAB	SILTUXIMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
34	VEDOLIZUMAB	VEDOLIZUMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
35	PEGINTERFERON BETA-1A	PEGINTERFERON BETA-1A	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
36	PEMBROLIZUMAB	PEMBROLIZUMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
37	DULAGLUTIDE	DULAGLUTIDE	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)

Appendix G. Specifications Defining Parameters in this Request

Scenario	Drug/Exposure				Follow-up		
	Exposure	Incident with respect to:	Care Setting	Washout (Days)	Cohort Definition	Follow-up Start	Follow-up End
38	BLINATUMOMAB	BLINATUMOMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)
39	NIVOLUMAB	NIVOLUMAB	Any	183	Include only the first valid exposure	First exposure	Censoring (disenrollment, death, Data Partner data end, query end)

International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) codes are provided by Optum360.

National Drug Codes (NDCs) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

39 new molecular

**Baseline
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See Appendix D

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