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

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

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

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

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Overview for Requests: tspreg_mpl2p_wp001-002

Request ID: tspreg_mpl2p_wp001-002_mkscan_v01

Request Description: The purpose of this request was to conduct a TreeScan analysis among pregnant women exposed to fluoroquinolones in the first trimester compared to pregnant women exposed to cephalosporins in the first trimester. Measured confounding was controlled using propensity score methods (fixed ratio matching and stratification) with various propensity score models.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 9.6.0, with Propensity Score Analysis module, Signal Identification module, and ad hoc programming.

Data Source: This request was run against the IBM® MarketScan® Research Databases on April 6, 2021 (propensity score matched analysis) and May 19, 2021 (propensity score stratified analysis). The study years included data from October 1, 2015 through March 31, 2019. Please see Appendix A for a list of dates of available data.

Study Design: We identified females between 10 and 54 years of age with evidence of a live birth linked to an infant record. The exposed group was defined by first trimester exposure to fluoroquinolones and the referent group was defined by first trimester exposure to cephalosporins. Eligible mother-infant pairs were required to have no evidence of known teratogen use in the first trimester. We controlled for confounding using propensity score matching and propensity score stratification. The occurrence of infant outcomes was evaluated using a hierarchical outcome tree. This is a Type 4 analysis using Signal Identification and Propensity Score Analysis modules in the Query Request Package (QRP) documentation.

Pregnancy Episode Creation: We identified pregnancies ending in a live birth using the Sentinel Common Data Model (SCDM) Mother-Infant Linkage (MIL) table. The MIL table includes records of live birth deliveries and infant, and matches mother patient IDs to infant patient IDs when possible. Live birth deliveries are identified for inclusion in the table using 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), and Current Procedural Terminology, Fourth Edition (CPT-4) diagnosis and procedure codes. Live birth deliveries are eligible for the MIL table when they have the following additional characteristics: the encounter occurred at least one year later than the start of Data Partner data availability, the mother was between 10 and 54 years of age at the time of delivery, there was no evidence of delivery for 180 days prior to the delivery date, and the mother had 180 days of continuous medical coverage prior to the delivery date. Infant records with the following characteristics were eligible for MIL table: the date of birth was identified at least one year later than the start of Data Partner data availability, and the infant had at least one day of enrollment with medical coverage during first year of life. For this analysis, we additionally required that the mother had 391 days of continuous medical and drug coverage, with gaps of up to 45 days allowed, prior to the delivery date, and the infant had at least one day of medical and drug coverage. We excluded pregnancies with evidence of known teratogen use in the first trimester defined using National Drug Codes (NDCs). Please see Appendix B for a list of codes used to define live birth deliveries and Appendix C for a list of generic and brand names of medical products used to define exclusions.

We estimated pregnancy episode duration using a claims-based algorithm.¹ This algorithm used ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for pre-term and post-term deliveries, to calculate the length of the pregnancy episode. Codes had to occur within seven days of a delivery date in the inpatient setting. In the absence of pre-/post-term codes, pregnancy duration was set to 273 days. Please see Appendix D for a list of ICD-9-CM and ICD-10-CM codes used in the gestational age algorithm.

Exposure and Comparators: We defined the exposure of interest and comparator using NDCs in outpatient dispensing data and Current Procedural Terminology Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) codes for inpatient injections. First trimester exposure was defined by overlapping days supply with the period defined by estimated last menstrual period (LMP) and 90 days after estimated LMP. Please see Appendices E-H for lists of procedure codes and generic and brand names of medical products used to define exposures and comparators in this request.

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Outcomes of Interest: We assessed outcomes using a hierarchical "tree" of ICD-10-CM diagnosis codes. We identified incident outcomes in both mother and infant records in any care setting on the date of delivery through the 180 days after. Outcomes were considered incident if there was no evidence of any outcomes within the same level 3 node of the outcome tree between the delivery date and the outcome date. In sensitivity analyses, the incidence criteria was changed to level 2, and outcome assessment was limited to codes recorded in the inpatient setting. Please see Appendix I for a list of codes used to define outcomes in this request.

Baseline Characteristics: We assessed the following characteristics on the delivery date: maternal age and year. We assessed the following characteristics in the seven days prior to or on the date of the first exposure dispensing/injection in the first trimester: ear, nose, and throat infections, gastrointestinal infections, lower respiratory infections, sexually transmitted infections, and urinary tract infections. We assessed the following characteristics in the 90 days before the pregnancy start date through the first trimester: alcohol abuse, asthma, cardiac valvular disease, chronic congestive heart failure, chronic ischemic heart disease, chronic liver disease, chronic renal disease, cirrhosis, congenital heart disease, cystic fibrosis, drug abuse, epilepsy/seizures, hepatic decompensation, human immunodeficiency virus (HIV), inflammatory bowel disease, leukemia/lymphoma, obesity, preexisting diabetes, preexisting hypertension, previous cesarean delivery, psychiatric disorders, pulmonary hypertension, rheumatoid arthritis, sickle cell disease/thalassemias, systemic lupus erythematosus, tobacco use, and end stage renal disease. We assessed the following characteristics in the 90 days before the pregnancy start date: vaccine administration, screening examinations and disease management training, pap smear, human papilloma virus (HPV) DNA test, and fecal occult blood test. We assessed the following healthcare utilization metrics in the 90 days before the pregnancy start date: number of inpatient encounters, number of outpatient encounters, number of emergency department visits, and number of filled generics. We defined baseline characteristics using ICD-9-CM and ICD-10-CM diagnosis codes, ICD-9-CM procedure codes, HCPCS procedure codes, and CPT-4 procedure codes. Please see Appendices J-L for lists of codes used to define baseline characteristics in this request.

Propensity Score Estimation: Three propensity score models were estimated using the following characteristics:

1. General model: pre-existing conditions in the 90 days before the pregnancy start date through the first trimester and healthcare utilization metrics and screening in the 90 days before the pregnancy start date.
2. General and indications model: pre-existing conditions in the 90 days before the pregnancy start date through the first trimester, healthcare utilization metrics and screening in the 90 days before the pregnancy start date, and exposure indications in the seven days before or on the first exposure dispensing/injection date.
3. High-dimensional propensity score model: characteristics selected based on the strength of relationship between exposure and confounders.

The Propensity Score Analysis (PSA) module was used to calculate the propensity scores, identify matched cohorts based on propensity scores, and stratify based on the propensity score distribution.

Propensity Score Methods:

Matching: Using each of the three propensity score models, 1:1 matching was completed. Using the general and indications model, 1:2 and 1:3 fixed ratio matching was completed. Patients in the referent cohort were matched to an exposed patient using nearest neighbor matching without replacement with a matching caliper of 0.05.

Stratification: Using each of the 3 propensity score models, stratification using deciles of the propensity score distribution in the full population (exposed and referent groups) was completed. Trimming of non-overlapping regions of the propensity score distribution between exposure and referent groups was completed prior to stratification.

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TreeScan analysis: Outcome counts estimated using the Signal Identification module were used to calculate expected exposed outcome counts for analysis with the TreeScan software.² For the propensity score matched analyses, observed counts in the referent group were used as the expected exposed counts, adjusting for the fixed matching ratio. Observed and expected outcome counts were analyzed using the Bernoulli TreeScan statistic. For the propensity score stratified analyses, observed outcome risks or rates in the referent group were calculated by propensity score strata and were used to calculate expected exposed outcome counts using indirect standardization. Observed and expected outcome counts were analyzed using the Poisson TreeScan statistic. Conditional and unconditional versions of the Poisson TreeScan statistic were used. Output from the TreeScan software is included in Tables 4a and 4b.

Please see Appendices M-O for the specifications of parameters used in this request and Appendix P for a design diagram.

Limitations: Algorithms to define exposures, outcomes, inclusion and exclusion criteria, characteristics, and pregnancy duration are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind.

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

1 Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.

2 <https://www.treescan.org/>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*all terms may not be used in this report

**Glossary of Terms for Analyses Using
Propensity Score Analysis (PSA) Module***

Characteristic - requester defined binary variable to include in the propensity score estimation model (e.g., diabetes, heart failure, etc.) during requester-defined lookback period. Requester may also choose to add any of the following categorical, continuous, or

1. Age (continuous)
2. Sex
3. Time period (i.e., monitoring period for sequential analyses)
4. Year of exposure
5. Comorbidity score
6. Medical utilization – number of inpatient stays
7. Medical utilization – number of institutional stays
8. Medical utilization – number of emergency department visits
9. Medical utilization – number of outpatient visits
10. Health care utilization – number of other ambulatory encounters (e.g., telemedicine, email consults)
11. Drug utilization – number of dispensings
12. Drug utilization – number of unique generics dispensed
13. Drug Utilization – number of unique drug classes dispensed

Characteristic Evaluation Window - specified number of days relative to index date to evaluate the occurrence of characteristics of interest. Note: members are required to have continuous enrollment during the characteristic evaluation window, regardless of the

Individual Level Data Return - program may return individual-level, de-identified datasets to the Sentinel Operations Center (SOC). While the datasets contain a single row per patient for each specified analysis, patient identifiers such as a patient ID are not included in the output. Individual-level datasets are returned to the SOC, aggregated, and used to calculate effect estimates via Cox

Mahalanobis Distance - provides a measure of balance across all variables while accounting for their correlation.

Matching Caliper - maximum allowed difference in propensity scores between treatment and control patients. Requester may select any caliper (e.g., 0.01, 0.025, and 0.05).

Matching Ratio - patients in exposed and comparator groups are nearest neighbor matched by a 1:1 or 1:n (up to 10) matching

Matched Conditional and Unconditional Analysis - in a conditional matched analysis, a Cox model, stratified by Data Partner site and matched set, is run on the matched population. This can be done for both the both 1:1 and 1:n matched cohorts. In an unconditional analysis, a Cox model, stratified by Data Partner site only, is run on the matched population. This can be done for the

Propensity Score Stratification - option to stratify propensity scores based on requester-defined percentiles in the unmatched population. In a stratified analysis, a Cox model, stratified by Data Partner site, is run on the stratified population. Note that all

PSM Tool - performs effect estimation by comparing exposure propensity-score matched parallel new user cohorts. Propensity score estimation and matching are conducted within each Sentinel Data Partner site via distributed programming code; data are

Risk-set Level Data Return - alternative to the patient-level data return approach. In this approach, the PSM tool will produce de-identified, risk-set level datasets instead of or in addition to individual-level output. Whereas each observation in the patient-level datasets represents one patient in the cohort, each observation in the risk set dataset represents one event. Risk sets are created at the Data Partner site, returned to the SOC, aggregated, and used to calculate effect estimates via case-centered logistic regression.

Subgroup Analysis - may be conducted using any requester-defined characteristics. Subgroup analyses may be performed in the

Zero Cell Correction - indicator for whether to screen variables with a zero correction added to each cell in the confounder/outcome 2x2 table. Recommended when the number of exposed outcomes is fewer than 150.

*all terms may not be used in this report

Table 1a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,791	100.0%	8,739	100.0%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean maternal age at index date	31.9	4.7	31.3	4.7	0.578	0.124
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,791	100.0%	8,739	100.0%	0.000	-
Year of index date						
2015	217	12.1%	735	8.4%	3.706	0.122
2016	718	40.1%	3,026	34.6%	5.463	0.113
2017	550	30.7%	2,774	31.7%	-1.034	-0.022
2018	306	17.1%	2,204	25.2%	-8.135	-0.200
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	132	7.4%	637	7.3%	0.081	0.003
Postterm	392	21.9%	1,809	20.7%	1.187	0.029
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean gestational age ² at delivery	39.6	1.7	39.6	1.7	0.076	0.044
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Gestational age ² of first exposure, weeks, mean (standard deviation)	2.9	3.2	7.1	4.3	-4.156	-1.095
Mean number of dispensings in first trimester	1.0	0.2	1.1	0.4	-0.072	-0.233
Mean number of dispensings in second trimester	0.0	0.2	0.2	0.5	-0.179	-0.457
Mean number of dispensings in third trimester	0.0	0.1	0.1	0.5	-0.126	-0.374
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,791	100.0%	8,739	100.0%	0.000	-
Exposed during second trimester	34	1.9%	1,435	16.4%	-14.522	-0.520
Exposed during third trimester	7	0.4%	842	9.6%	-9.244	-0.433
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	219	12.2%	1,764	20.2%	-7.958	-0.217
Gastrointestinal infections	36	2.0%	68	0.8%	1.232	0.105

Table 1a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Lower respiratory infections	42	2.3%	90	1.0%	1.315	0.102
Sexually transmitted infections	5	0.3%	60	0.7%	-0.407	-0.059
Urinary tract infections	533	29.8%	1,777	20.3%	9.426	0.219
Alcohol Abuse	2	0.1%	15	0.2%	-0.060	-0.016
Asthma	100	5.6%	421	4.8%	0.766	0.035
Cardiac Valvular Disease	7	0.4%	52	0.6%	-0.204	-0.029
Chronic Congestive Heart Failure	-	0.0%	1	0.0%	-0.011	-
Chronic Ischemic Heart Disease	1	0.1%	15	0.2%	-0.116	-0.034
Chronic liver disease	25	1.4%	83	0.9%	0.446	0.041
Chronic Renal Disease	15	0.8%	48	0.5%	0.288	0.035
Cirrhosis	-	0.0%	1	0.0%	-0.011	-
Congenital Heart Disease	2	0.1%	20	0.2%	-0.117	-0.028
Cystic Fibrosis	3	0.2%	6	0.1%	0.099	0.029
Drug Abuse	8	0.4%	48	0.5%	-0.103	-0.015
Epilepsy/seizures	3	0.2%	23	0.3%	-0.096	-0.021
Hepatic decompensation	7	0.4%	19	0.2%	0.173	0.031
HIV	3	0.2%	8	0.1%	0.076	0.021
Inflammatory bowel disease	14	0.8%	51	0.6%	0.198	0.024
Leukemia/lymphoma	1	0.1%	9	0.1%	-0.047	-0.017
Obesity	185	10.3%	786	9.0%	1.335	0.045
Preexisting Diabetes Mellitus	24	1.3%	156	1.8%	-0.445	-0.036
Preexisting Hypertension	66	3.7%	358	4.1%	-0.411	-0.021
Previous Cesarean Delivery	20	1.1%	118	1.4%	-0.234	-0.021
Psychiatric disorders	238	13.3%	1,062	12.2%	1.136	0.034
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.3%	32	0.4%	-0.031	-0.005
Sickle Cell Disease/thalassemia	3	0.2%	13	0.1%	0.019	0.005
Systemic Lupus Erythematosus	6	0.3%	26	0.3%	0.037	0.007
Tobacco use	35	2.0%	167	1.9%	0.043	0.003
Vaccine administration	12	0.7%	29	0.3%	0.338	0.048
Screening	1	0.1%	2	0.0%	0.033	0.017
Pap smear	226	12.6%	1,044	11.9%	0.672	0.020
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	6	0.3%	27	0.3%	0.026	0.005
End stage renal disease	-	0.0%	-	0.0%	0.000	-

Table 1a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of ambulatory encounters	2.9	3.9	2.5	3.5	0.379	0.103
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.014	0.032
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.005	0.043
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	2.0	2.2	1.7	2.1	0.334	0.154
Mean number of unique generics dispensed	2.1	2.4	1.8	2.3	0.322	0.137

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1

Table 1b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort with a 180-Day Post-Delivery Enrollment Requirement in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,509	100.0%	7,165	100.00%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean maternal age at index date	32.0	4.6	31.5	4.6	0.458	0.100
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,509	100.0%	7,165	100.0%	0.000	-
Year of index date						
2015	176	11.7%	601	8.4%	3.275	0.109
2016	592	39.2%	2,402	33.5%	5.707	0.119
2017	464	30.7%	2,229	31.1%	-0.361	-0.008
2018	277	18.4%	1,933	27.0%	-8.622	-0.207
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	106	7.0%	508	7.1%	-0.066	-0.003
Postterm	321	21.3%	1,506	21.0%	0.254	0.006
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean gestational age ² at delivery	39.6	1.7	39.6	1.7	0.051	0.030
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Gestational age ² of first exposure, weeks, mean (standard deviation)	2.9	3.2	7.0	4.3	-4.146	-1.094
Mean number of dispensings in first trimester	1.0	0.2	1.1	0.4	-0.069	-0.230
Mean number of dispensings in second trimester	0.0	0.2	0.2	0.5	-0.174	-0.476
Mean number of dispensings in third trimester	0.0	0.1	0.1	0.5	-0.123	-0.367
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,509	100.0%	7,165	100.0%	0.000	-
Exposed during second trimester	30	2.0%	1,177	16.4%	-14.439	-0.516
Exposed during third trimester	7	0.5%	676	9.4%	-8.971	-0.423

Table 1b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort with a 180-Day Post-Delivery Enrollment Requirement in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Baseline¹ Health Characteristics						
Ear, nose, and throat infections	183	12.1%	1,429	19.9%	-7.817	-0.214
Gastrointestinal infections	29	1.9%	58	0.8%	1.112	0.096
Lower respiratory infections	36	2.4%	70	1.0%	1.409	0.110
Sexually transmitted infections	3	0.2%	39	0.5%	-0.346	-0.057
Urinary tract infections	429	28.4%	1,412	19.7%	8.723	0.205
Alcohol Abuse	1	0.1%	12	0.2%		-0.030
Asthma	84	5.6%	318	4.4%	1.128	0.052
Cardiac Valvular Disease	4	0.3%	46	0.6%	-0.377	-0.056
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	9	0.1%	-0.059	-0.019
Chronic liver disease	24	1.6%	69	1.0%	0.627	0.056
Chronic Renal Disease	14	0.9%	38	0.5%	0.397	0.047
Cirrhosis	-	0.0%	-	0.0%	0.000	-
Congenital Heart Disease	2	0.1%	16	0.2%	-0.091	-0.022
Cystic Fibrosis	2	0.1%	6	0.1%	0.049	0.015
Drug Abuse	6	0.4%	35	0.5%	-0.091	-0.014
Epilepsy/seizures	3	0.2%	20	0.3%	-0.080	-0.016
Hepatic decompensation	7	0.5%	13	0.2%	0.282	0.050
HIV	3	0.2%	6	0.1%	0.115	0.031
Inflammatory bowel disease	13	0.9%	44	0.6%	0.247	0.029
Leukemia/lymphoma	1	0.1%	9	0.1%	-0.059	-0.019
Obesity	161	10.7%	638	8.9%	1.765	0.059
Preexisting Diabetes Mellitus	18	1.2%	126	1.8%	-0.566	-0.047
Preexisting Hypertension	51	3.4%	286	4.0%	-0.612	-0.032
Previous Cesarean Delivery	18	1.2%	101	1.4%	-0.217	-0.019
Psychiatric disorders	204	13.5%	877	12.2%	1.279	0.038
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.4%	26	0.4%	0.035	0.006
Sickle Cell Disease/thalassemia	2	0.1%	11	0.2%	-0.021	-0.006
Systemic Lupus Erythematosus	5	0.3%	23	0.3%	0.010	0.002
Tobacco use	29	1.9%	121	1.7%	0.233	0.018
Vaccine administration	12	0.8%	28	0.4%	0.404	0.053
Screening	-	0.0%	2	0.0%	-0.028	-
Pap smear	189	12.5%	860	12.0%	0.522	0.016
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	5	0.3%	20	0.3%	0.052	0.009
End stage renal disease	-	0.0%	-	0.0%	0.000	-

Table 1b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort with a 180-Day Post-Delivery Enrollment Requirement in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of ambulatory encounters	3.0	4.0	2.6	3.6	0.377	0.100
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.021	0.051
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.005	0.041
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	2.0	2.2	1.7	2.1	0.312	0.145
Mean number of unique generics dispensed	2.1	2.4	1.8	2.3	0.298	0.128

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1

Table 2a. Baseline Characteristics of the Fluoroquinolones Infant Cohort and the Cephalosporins Infant Cohort in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristics	Cohorts			
	Pregnant Cohort		Pregnant Cohort	
	Mean	Standard Deviation	Mean	Standard Deviation
Mean enrollment time after birth, in days, mean (standard deviation)	522.0	336.4	487.4	329.9
Mean difference between date of birth and date of enrollment, in days, mean (standard deviation)	5.6	30.6	4.5	25.5

Table 2b. Baseline Characteristics of the Fluoroquinolones Infant Cohort and the Cephalosporins Infant Cohort with a 180-Day Post-Delivery Enrollment Requirement in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019

Characteristics	Cohorts			
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort	
	Mean	Standard Deviation	Mean	Standard Deviation
Mean enrollment time after birth, in days, mean (standard deviation)	600.8	304.7	572.5	301.3
Mean difference between date of birth and date of enrollment, in days, mean (standard deviation)	6.1	31.5	5.0	26.2

Table 3a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,791	100.0%	1,791	20.5%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	<i>31.9</i>	<i>4.7</i>	<i>31.3</i>	<i>4.9</i>	<i>0.637</i>	<i>0.133</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,791	100.0%	1,791	100.0%	0.000	-
Year of index date						
2015	217	12.1%	68	3.8%	8.319	0.311
2016	718	40.1%	420	23.5%	16.639	0.363
2017	550	30.7%	582	32.5%	-1.787	-0.038
2018	306	17.1%	721	40.3%	-23.171	-0.530
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	132	7.4%	125	7.0%	0.391	0.015
Postterm	392	21.9%	383	21.4%	0.503	0.012
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	<i>39.6</i>	<i>1.7</i>	<i>39.6</i>	<i>1.6</i>	<i>0.042</i>	<i>0.026</i>
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	<i>2.9</i>	<i>3.2</i>	<i>6.9</i>	<i>4.3</i>	<i>-4.048</i>	<i>-1.068</i>
<i>Mean number of dispensings in first trimester</i>	<i>1.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.4</i>	<i>-0.074</i>	<i>-0.217</i>
<i>Mean number of dispensings in second trimester</i>	<i>0.0</i>	<i>0.2</i>	<i>0.2</i>	<i>0.6</i>	<i>-0.200</i>	<i>-0.423</i>
<i>Mean number of dispensings in third trimester</i>	<i>0.0</i>	<i>0.1</i>	<i>0.2</i>	<i>0.5</i>	<i>-0.150</i>	<i>-0.391</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,791	100.0%	1,791	100.0%	0.000	-
Exposed during second trimester	34	1.9%	309	17.3%	-15.355	-0.541
Exposed during third trimester	7	0.4%	198	11.1%	-10.664	-0.472
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Ear, nose, and throat infections</i>	<i>219</i>	<i>12.2%</i>	<i>333</i>	<i>18.6%</i>	<i>-6.365</i>	<i>-0.177</i>

Table 3a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Gastrointestinal infections</i>	36	2.0%	13	0.7%	1.284	0.111
<i>Lower respiratory infections</i>	42	2.3%	14	0.8%	1.563	0.126
<i>Sexually transmitted infections</i>	5	0.3%	12	0.7%	-0.391	-0.057
<i>Urinary tract infections</i>	533	29.8%	369	20.6%	9.157	0.212
Alcohol Abuse	2	0.1%	2	0.1%	0.000	0.000
Asthma	100	5.6%	83	4.6%	0.949	0.043
Cardiac Valvular Disease	7	0.4%	9	0.5%	-0.112	-0.017
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	2	0.1%	-0.056	-0.019
Chronic liver disease	25	1.4%	23	1.3%	0.112	0.010
Chronic Renal Disease	15	0.8%	14	0.8%	0.056	0.006
Cirrhosis	-	0.0%	1	0.1%	-0.056	-
Congenital Heart Disease	2	0.1%	1	0.1%	0.056	0.019
Cystic Fibrosis	3	0.2%	2	0.1%	0.056	0.015
Drug Abuse	8	0.4%	4	0.2%	0.223	0.039
Epilepsy/seizures	3	0.2%	3	0.2%	0.000	0.000
Hepatic decompensation	7	0.4%	5	0.3%	0.112	0.019
HIV	3	0.2%	2	0.1%	0.056	0.015
Inflammatory bowel disease	14	0.8%	14	0.8%	0.000	0.000
Leukemia/lymphoma	1	0.1%	-	0.0%	0.056	-
Obesity	185	10.3%	167	9.3%	1.005	0.034
Preexisting Diabetes Mellitus	24	1.3%	19	1.1%	0.279	0.026
Preexisting Hypertension	66	3.7%	63	3.5%	0.168	0.009
Previous Cesarean Delivery	20	1.1%	18	1.0%	0.112	0.011
Psychiatric disorders	238	13.3%	239	13.3%	-0.056	-0.002
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.3%	4	0.2%	0.112	0.021
Sickle Cell Disease/thalassemia	3	0.2%	4	0.2%	-0.056	-0.013
Systemic Lupus Erythematosus	6	0.3%	8	0.4%	-0.112	-0.018
Tobacco use	35	2.0%	26	1.5%	0.503	0.039
Vaccine administration	12	0.7%	11	0.6%	0.056	0.007
Screening	1	0.1%	-	0.0%	0.056	-
Pap smear	226	12.6%	211	11.8%	0.838	0.026
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	6	0.3%	2	0.1%	0.223	0.047

Table 3a. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
End stage renal disease	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean number of ambulatory encounters	2.9	3.9	2.9	3.7	0.048	0.013
Mean number of emergency room encounters	0.1	0.4	0.1	0.3	0.027	0.071
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.000	0.000
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	0.000	-
Mean number of unique drug classes dispensed	2.0	2.2	2.0	2.3	0.001	0.000
Mean number of unique generics dispensed	2.1	2.4	2.2	2.6	-0.058	-0.023

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

Table 3b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,790	99.9%	1,790	20.5%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	<i>31.9</i>	<i>4.7</i>	<i>31.0</i>	<i>4.8</i>	<i>0.910</i>	<i>0.191</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,790	100.0%	1,790	100.0%	0.000	-
Year of index date						
2015	217	12.1%	86	4.8%	7.318	0.265
2016	718	40.1%	467	26.1%	14.022	0.301
2017	549	30.7%	556	31.1%	-0.391	-0.008
2018	306	17.1%	681	38.0%	-20.950	-0.482
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	132	7.4%	130	7.3%	0.112	0.004
Postterm	392	21.9%	377	21.1%	0.838	0.020
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	<i>39.6</i>	<i>1.7</i>	<i>39.5</i>	<i>1.8</i>	<i>0.098</i>	<i>0.056</i>
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	<i>2.9</i>	<i>3.2</i>	<i>7.2</i>	<i>4.2</i>	<i>-4.327</i>	<i>-1.148</i>
<i>Mean number of dispensings in first trimester</i>	<i>1.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.4</i>	<i>-0.084</i>	<i>-0.252</i>
<i>Mean number of dispensings in second trimester</i>	<i>0.0</i>	<i>0.2</i>	<i>0.2</i>	<i>0.5</i>	<i>-0.206</i>	<i>-0.528</i>
<i>Mean number of dispensings in third trimester</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.5</i>	<i>-0.134</i>	<i>-0.390</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,790	100.0%	1,790	100.0%	0.000	-
Exposed during second trimester	34	1.9%	334	18.7%	-16.760	-0.574
Exposed during third trimester	7	0.4%	182	10.2%	-9.777	-0.448
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	219	12.2%	212	11.8%	0.391	0.012

Table 3b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Gastrointestinal infections	35	2.0%	34	1.9%	0.056	0.004
Lower respiratory infections	41	2.3%	36	2.0%	0.279	0.019
Sexually transmitted infections	5	0.3%	3	0.2%	0.112	0.024
Urinary tract infections	533	29.8%	548	30.6%	-0.838	-0.018
Alcohol Abuse	2	0.1%	1	0.1%	0.056	0.019
Asthma	100	5.6%	106	5.9%	-0.335	-0.014
Cardiac Valvular Disease	7	0.4%	8	0.4%	-0.056	-0.009
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	2	0.1%	-0.056	-0.019
Chronic liver disease	25	1.4%	22	1.2%	0.168	0.015
Chronic Renal Disease	15	0.8%	20	1.1%	-0.279	-0.028
Cirrhosis	-	0.0%	-	0.0%	0.000	-
Congenital Heart Disease	2	0.1%	1	0.1%	0.056	0.019
Cystic Fibrosis	3	0.2%	2	0.1%	0.056	0.015
Drug Abuse	8	0.4%	10	0.6%	-0.112	-0.016
Epilepsy/seizures	3	0.2%	4	0.2%	-0.056	-0.013
Hepatic decompensation	7	0.4%	7	0.4%	0.000	0.000
HIV	3	0.2%	3	0.2%	0.000	0.000
Inflammatory bowel disease	14	0.8%	11	0.6%	0.168	0.020
Leukemia/lymphoma	1	0.1%	-	0.0%	0.056	-
Obesity	185	10.3%	160	8.9%	1.397	0.047
Preexisting Diabetes Mellitus	24	1.3%	28	1.6%	-0.223	-0.019
Preexisting Hypertension	66	3.7%	64	3.6%	0.112	0.006
Previous Cesarean Delivery	20	1.1%	17	0.9%	0.168	0.017
Psychiatric disorders	237	13.2%	243	13.6%	-0.335	-0.010
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.3%	4	0.2%	0.112	0.021
Sickle Cell Disease/thalassemia	3	0.2%	3	0.2%	0.000	0.000
Systemic Lupus Erythematosus	6	0.3%	6	0.3%	0.000	0.000
Tobacco use	35	2.0%	32	1.8%	0.168	0.012
Vaccine administration	12	0.7%	8	0.4%	0.223	0.030
Screening	1	0.1%	1	0.1%	0.000	0.000
Pap smear	226	12.6%	210	11.7%	0.894	0.027
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	6	0.3%	5	0.3%	0.056	0.010

Table 3b. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
End stage renal disease	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean number of ambulatory encounters	2.9	3.9	2.9	3.8	0.011	0.003
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.016	0.039
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.003	0.029
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	0.000	-
Mean number of unique drug classes dispensed	2.0	2.2	2.0	2.3	0.032	0.014
Mean number of unique generics dispensed	2.1	2.4	2.1	2.6	-0.006	-0.002

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

Table 3c. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,732	96.7%	1,732	19.8%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	<i>31.9</i>	<i>4.7</i>	<i>31.3</i>	<i>4.8</i>	<i>0.564</i>	<i>0.119</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>10-54</i>	<i>1,732</i>	<i>100.0%</i>	<i>1,732</i>	<i>100.0%</i>	<i>0.000</i>	<i>-</i>
<i>Year of index date</i>						
<i>2015</i>	<i>199</i>	<i>11.5%</i>	<i>180</i>	<i>10.4%</i>	<i>1.097</i>	<i>0.035</i>
<i>2016</i>	<i>685</i>	<i>39.5%</i>	<i>501</i>	<i>28.9%</i>	<i>10.624</i>	<i>0.225</i>
<i>2017</i>	<i>543</i>	<i>31.4%</i>	<i>486</i>	<i>28.1%</i>	<i>3.291</i>	<i>0.072</i>
<i>2018</i>	<i>305</i>	<i>17.6%</i>	<i>565</i>	<i>32.6%</i>	<i>-15.012</i>	<i>-0.351</i>
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Preterm</i>	<i>125</i>	<i>7.2%</i>	<i>125</i>	<i>7.2%</i>	<i>0.000</i>	<i>0.000</i>
<i>Postterm</i>	<i>384</i>	<i>22.2%</i>	<i>391</i>	<i>22.6%</i>	<i>-0.404</i>	<i>-0.010</i>
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	<i>39.6</i>	<i>1.7</i>	<i>39.6</i>	<i>1.8</i>	<i>0.036</i>	<i>0.021</i>
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	<i>2.9</i>	<i>3.2</i>	<i>7.0</i>	<i>4.4</i>	<i>-4.117</i>	<i>-1.075</i>
<i>Mean number of dispensings in first trimester</i>	<i>1.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.3</i>	<i>-0.023</i>	<i>-0.098</i>
<i>Mean number of dispensings in second trimester</i>	<i>0.0</i>	<i>0.2</i>	<i>0.2</i>	<i>0.5</i>	<i>-0.192</i>	<i>-0.500</i>
<i>Mean number of dispensings in third trimester</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.4</i>	<i>-0.126</i>	<i>-0.400</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Exposed during first trimester</i>	<i>1,732</i>	<i>100.0%</i>	<i>1,732</i>	<i>100.0%</i>	<i>0.000</i>	<i>-</i>
<i>Exposed during second trimester</i>	<i>34</i>	<i>2.0%</i>	<i>305</i>	<i>17.6%</i>	<i>-15.647</i>	<i>-0.546</i>
<i>Exposed during third trimester</i>	<i>7</i>	<i>0.4%</i>	<i>176</i>	<i>10.2%</i>	<i>-9.758</i>	<i>-0.447</i>
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Ear, nose, and throat infections</i>	<i>218</i>	<i>12.6%</i>	<i>308</i>	<i>17.8%</i>	<i>-5.196</i>	<i>-0.145</i>

Table 3c. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Gastrointestinal infections</i>	29	1.7%	6	0.3%	1.328	0.133
<i>Lower respiratory infections</i>	38	2.2%	11	0.6%	1.559	0.132
<i>Sexually transmitted infections</i>	5	0.3%	6	0.3%	-0.058	-0.010
<i>Urinary tract infections</i>	512	29.6%	300	17.3%	12.240	0.292
<i>Alcohol Abuse</i>	2	0.1%	2	0.1%	0.000	0.000
<i>Asthma</i>	88	5.1%	94	5.4%	-0.346	-0.016
<i>Cardiac Valvular Disease</i>	6	0.3%	6	0.3%	0.000	0.000
<i>Chronic Congestive Heart Failure</i>	-	0.0%	-	0.0%	0.000	-
<i>Chronic Ischemic Heart Disease</i>	1	0.1%	3	0.2%	-0.115	-0.034
<i>Chronic liver disease</i>	21	1.2%	17	1.0%	0.231	0.022
<i>Chronic Renal Disease</i>	15	0.9%	10	0.6%	0.289	0.034
<i>Cirrhosis</i>	-	0.0%	1	0.1%	-0.058	-
<i>Congenital Heart Disease</i>	2	0.1%	4	0.2%	-0.115	-0.028
<i>Cystic Fibrosis</i>	3	0.2%	-	0.0%	0.173	-
<i>Drug Abuse</i>	8	0.5%	11	0.6%	-0.173	-0.023
<i>Epilepsy/seizures</i>	3	0.2%	3	0.2%	0.000	0.000
<i>Hepatic decompensation</i>	7	0.4%	4	0.2%	0.173	0.031
<i>HIV</i>	3	0.2%	2	0.1%	0.058	0.015
<i>Inflammatory bowel disease</i>	13	0.8%	12	0.7%	0.058	0.007
<i>Leukemia/lymphoma</i>	1	0.1%	2	0.1%	-0.058	-0.020
<i>Obesity</i>	172	9.9%	135	7.8%	2.136	0.075
<i>Preexisting Diabetes Mellitus</i>	24	1.4%	26	1.5%	-0.115	-0.010
<i>Preexisting Hypertension</i>	63	3.6%	57	3.3%	0.346	0.019
<i>Previous Cesarean Delivery</i>	17	1.0%	22	1.3%	-0.289	-0.027
<i>Psychiatric disorders</i>	225	13.0%	218	12.6%	0.404	0.012
<i>Pulmonary Hypertension</i>	-	0.0%	-	0.0%	0.000	-
<i>Rheumatoid arthritis</i>	6	0.3%	5	0.3%	0.058	0.010
<i>Sickle Cell Disease/thalassemia</i>	3	0.2%	2	0.1%	0.058	0.015
<i>Systemic Lupus Erythematosus</i>	6	0.3%	7	0.4%	-0.058	-0.009
<i>Tobacco use</i>	32	1.8%	33	1.9%	-0.058	-0.004
<i>Vaccine administration</i>	12	0.7%	6	0.3%	0.346	0.048
<i>Screening</i>	1	0.1%	-	0.0%	0.058	-

Table 3c. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS: 1:1 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Pap smear</i>	212	12.2%	205	11.8%	0.404	0.012
<i>HPV DNA test</i>	-	0.0%	-	0.0%	0.000	-
<i>Fecal occult blood test</i>	5	0.3%	9	0.5%	-0.231	-0.036
<i>End stage renal disease</i>	-	0.0%	-	0.0%	0.000	-
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean number of ambulatory encounters</i>	2.9	3.8	2.5	3.3	0.342	0.095
<i>Mean number of emergency room encounters</i>	0.1	0.4	0.1	0.4	0.006	0.016
<i>Mean number of inpatient hospital encounters</i>	0.0	0.1	0.0	0.1	0.005	0.043
<i>Mean number of non-acute institutional encounters</i>	0.0	0.0	0.0	0.0	-0.001	-
<i>Mean number of unique drug classes dispensed</i>	2.0	2.2	1.7	2.1	0.249	0.117
<i>Mean number of unique generics dispensed</i>	2.1	2.3	1.8	2.3	0.244	0.107

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

Table 3d. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:2 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Number of pregnant patients	1,787	99.8%	3,574	40.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	<i>31.9</i>	<i>4.7</i>	<i>31.1</i>	<i>4.8</i>	<i>0.841</i>	<i>0.178</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,787	100.0%	3,574	100.0%	0.000	-
Year of index date						
2015	217	12.1%	208	5.8%	6.323	0.223
2016	716	40.1%	1,053	29.5%	10.604	0.224
2017	549	30.7%	1,169	32.7%	-1.987	-0.043
2018	305	17.1%	1,144	32.0%	-14.941	-0.353
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	132	7.4%	252	7.1%	0.336	0.013
Postterm	392	21.9%	772	21.6%	0.336	0.008
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	<i>39.6</i>	<i>1.7</i>	<i>39.6</i>	<i>1.8</i>	<i>0.079</i>	<i>0.045</i>
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	<i>2.9</i>	<i>3.2</i>	<i>7.2</i>	<i>4.2</i>	<i>-4.279</i>	<i>-1.139</i>
<i>Mean number of dispensings in first trimester</i>	<i>1.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.4</i>	<i>-0.088</i>	<i>-0.261</i>
<i>Mean number of dispensings in second trimester</i>	<i>0.0</i>	<i>0.2</i>	<i>0.2</i>	<i>0.6</i>	<i>-0.197</i>	<i>-0.465</i>
<i>Mean number of dispensings in third trimester</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.5</i>	<i>-0.137</i>	<i>-0.379</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,787	100.0%	3,574	100.0%	0.000	-
Exposed during second trimester	34	1.9%	631	17.7%	-15.753	-0.550
Exposed during third trimester	7	0.4%	364	10.2%	-9.793	-0.448
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	219	12.3%	422	11.8%	0.448	0.014
Gastrointestinal infections	34	1.9%	60	1.7%	0.224	0.017

Table 3d. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:2 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Lower respiratory infections	40	2.2%	65	1.8%	0.420	0.030
Sexually transmitted infections	5	0.3%	5	0.1%	0.140	0.031
Urinary tract infections	531	29.7%	1,102	30.8%	-1.119	-0.024
Alcohol Abuse	2	0.1%	3	0.1%	0.028	0.009
Asthma	100	5.6%	188	5.3%	0.336	0.015
Cardiac Valvular Disease	7	0.4%	16	0.4%	-0.056	-0.009
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	4	0.1%	-0.056	-0.019
Chronic liver disease	25	1.4%	42	1.2%	0.224	0.020
Chronic Renal Disease	14	0.8%	33	0.9%	-0.140	-0.015
Cirrhosis	-	0.0%	-	0.0%	0.000	-
Congenital Heart Disease	2	0.1%	3	0.1%	0.028	0.009
Cystic Fibrosis	3	0.2%	6	0.2%	0.000	0.000
Drug Abuse	8	0.4%	15	0.4%	0.028	0.004
Epilepsy/seizures	3	0.2%	5	0.1%	0.028	0.007
Hepatic decompensation	7	0.4%	12	0.3%	0.056	0.009
HIV	3	0.2%	7	0.2%	-0.028	-0.007
Inflammatory bowel disease	13	0.7%	23	0.6%	0.084	0.010
Leukemia/lymphoma	1	0.1%	1	0.0%	0.028	0.014
Obesity	183	10.2%	324	9.1%	1.175	0.040
Preexisting Diabetes Mellitus	24	1.3%	48	1.3%	0.000	0.000
Preexisting Hypertension	66	3.7%	126	3.5%	0.168	0.009
Previous Cesarean Delivery	20	1.1%	39	1.1%	0.028	0.003
Psychiatric disorders	236	13.2%	489	13.7%	-0.476	-0.014
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.3%	5	0.1%	0.196	0.040
Sickle Cell Disease/thalassemia	3	0.2%	3	0.1%	0.084	0.024
Systemic Lupus Erythematosus	6	0.3%	10	0.3%	0.056	0.010
Tobacco use	35	2.0%	65	1.8%	0.140	0.010
Vaccine administration	11	0.6%	17	0.5%	0.140	0.019
Screening	1	0.1%	1	0.0%	0.028	0.014
Pap smear	226	12.6%	459	12.8%	-0.196	-0.006
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	6	0.3%	12	0.3%	0.000	0.000
End stage renal disease	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean number of ambulatory encounters	2.9	3.9	2.9	3.8	0.023	0.006
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.015	0.035

Table 3d. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:2 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.003	0.028
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	0.000	-
Mean number of unique drug classes dispensed	2.0	2.2	2.0	2.3	0.026	0.011
Mean number of unique generics dispensed	2.1	2.4	2.1	2.6	-0.019	-0.008

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Charatertistics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

Table 3e. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:3 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,684	94.0%	5,052	57.8%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	31.9	4.7	31.2	4.8	0.678	0.143
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,684	100.0%	5,052	100.0%	0.000	-
Year of index date						
2015	210	12.5%	339	6.7%	5.760	0.197
2016	688	40.9%	1,605	31.8%	9.086	0.190
2017	513	30.5%	1,633	32.3%	-1.861	-0.040
2018	273	16.2%	1,475	29.2%	-12.985	-0.314
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	126	7.5%	374	7.4%	0.079	0.003
Postterm	376	22.3%	1,068	21.1%	1.188	0.029
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	39.6	1.7	39.5	1.8	0.100	0.057
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	2.9	3.2	7.2	4.3	-4.240	-1.116
<i>Mean number of dispensings in first trimester</i>	1.0	0.2	1.1	0.4	-0.076	-0.241
<i>Mean number of dispensings in second trimester</i>	0.0	0.2	0.2	0.6	-0.194	-0.467
<i>Mean number of dispensings in third trimester</i>	0.0	0.1	0.1	0.5	-0.130	-0.377
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,684	100.0%	5,052	100.0%	0.000	-
Exposed during second trimester	30	1.8%	873	17.3%	-15.499	-0.547
Exposed during third trimester	7	0.4%	501	9.9%	-9.501	-0.439
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	217	12.9%	645	12.8%	0.119	0.004

Table 3e. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General-indications PS: 1:3 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Gastrointestinal infections	8	0.5%	21	0.4%	0.059	0.009
Lower respiratory infections	10	0.6%	42	0.8%	-0.238	-0.028
Sexually transmitted infections	5	0.3%	8	0.2%	0.139	0.029
Urinary tract infections	485	28.8%	1,461	28.9%	-0.119	-0.003
Alcohol Abuse	2	0.1%	4	0.1%	0.040	0.013
Asthma	89	5.3%	276	5.5%	-0.178	-0.008
Cardiac Valvular Disease	7	0.4%	24	0.5%	-0.059	-0.009
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	5	0.1%	-0.040	-0.014
Chronic liver disease	21	1.2%	46	0.9%	0.337	0.033
Chronic Renal Disease	13	0.8%	35	0.7%	0.079	0.009
Cirrhosis	-	0.0%	1	0.0%	-0.020	-
Congenital Heart Disease	2	0.1%	5	0.1%	0.020	0.006
Cystic Fibrosis	1	0.1%	3	0.1%	0.000	0.000
Drug Abuse	8	0.5%	19	0.4%	0.099	0.015
Epilepsy/seizures	3	0.2%	9	0.2%	0.000	0.000
Hepatic decompensation	6	0.4%	12	0.2%	0.119	0.022
HIV	2	0.1%	5	0.1%	0.020	0.006
Inflammatory bowel disease	10	0.6%	26	0.5%	0.079	0.011
Leukemia/lymphoma	1	0.1%	1	0.0%	0.040	0.020
Obesity	155	9.2%	460	9.1%	0.099	0.003
Preexisting Diabetes Mellitus	23	1.4%	72	1.4%	-0.059	-0.005
Preexisting Hypertension	60	3.6%	182	3.6%	-0.040	-0.002
Previous Cesarean Delivery	20	1.2%	59	1.2%	0.020	0.002
Psychiatric disorders	209	12.4%	649	12.8%	-0.435	-0.013
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.4%	13	0.3%	0.099	0.018
Sickle Cell Disease/thalassemia	3	0.2%	6	0.1%	0.059	0.015
Systemic Lupus Erythematosus	6	0.4%	15	0.3%	0.059	0.010
Tobacco use	33	2.0%	82	1.6%	0.337	0.025
Vaccine administration	8	0.5%	17	0.3%	0.139	0.022
Screening	-	0.0%	2	0.0%	-0.040	-
Pap smear	207	12.3%	659	13.0%	-0.752	-0.023
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	5	0.3%	14	0.3%	0.020	0.004
End stage renal disease	-	0.0%	-	0.0%	0.000	-

Table 3e. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS: 1:3 Matched, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019 (PS-Adjusted), Caliper: 0.05

Characteristic ³	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Mean	Standard Deviation	Mean	Standard Deviation		
Baseline¹ Health Service Utilization Intensity						
Mean number of ambulatory encounters	2.8	3.7	2.7	3.5	0.074	0.020
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.003	0.007
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	-0.001	-0.009
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	0.000	-
Mean number of unique drug classes dispensed	1.9	2.1	1.9	2.1	0.053	0.025
Mean number of unique generics dispensed	2.0	2.3	2.0	2.4	0.023	0.010

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

Table 3f. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,791	100.0%	8,731	99.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	<i>31.8</i>	<i>4.7</i>	<i>31.3</i>	<i>4.7</i>	<i>0.490</i>	<i>0.105</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,791	100.0%	8,731	100.0%	0.000	-
Year of index date						
2015	218	12.2%	733	8.4%	3.769	0.124
2016	723	40.4%	3,021	34.6%	5.783	0.120
2017	546	30.5%	2,771	31.7%	-1.272	-0.027
2018	304	17.0%	2,206	25.3%	-8.280	-0.204
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	131	7.3%	634	7.3%	0.068	0.003
Postterm	399	22.3%	1,808	20.7%	1.569	0.038
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	<i>39.6</i>	<i>1.7</i>	<i>39.6</i>	<i>1.7</i>	<i>0.085</i>	<i>0.050</i>
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	<i>3.0</i>	<i>3.2</i>	<i>7.0</i>	<i>4.3</i>	<i>-4.069</i>	<i>-1.075</i>
<i>Mean number of dispensings in first trimester</i>	<i>1.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.4</i>	<i>-0.075</i>	<i>-0.244</i>
<i>Mean number of dispensings in second trimester</i>	<i>0.0</i>	<i>0.2</i>	<i>0.2</i>	<i>0.5</i>	<i>-0.180</i>	<i>-0.458</i>
<i>Mean number of dispensings in third trimester</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.5</i>	<i>-0.127</i>	<i>-0.376</i>
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,791	100.0%	8,731	100.0%	0.000	-
Exposed during second trimester	34	1.9%	1,434	16.4%	-14.549	-0.521
Exposed during third trimester	6	0.4%	846	9.7%	-9.332	-0.438
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Ear, nose, and throat infections</i>	<i>216</i>	<i>12.1%</i>	<i>1,768</i>	<i>20.3%</i>	<i>-8.169</i>	<i>-0.223</i>
<i>Gastrointestinal infections</i>	<i>35</i>	<i>2.0%</i>	<i>69</i>	<i>0.8%</i>	<i>1.185</i>	<i>0.102</i>

Table 3f. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Lower respiratory infections</i>	40	2.3%	90	1.0%	1.224	0.096
<i>Sexually transmitted infections</i>	5	0.3%	59	0.7%	-0.412	-0.060
<i>Urinary tract infections</i>	544	30.4%	1,766	20.2%	10.120	0.234
Alcohol Abuse	3	0.2%	14	0.2%	-0.008	-0.002
Asthma	87	4.8%	432	4.9%	-0.112	-0.005
Cardiac Valvular Disease	9	0.5%	46	0.5%	-0.045	-0.006
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	9	0.1%	-0.019	-0.006
Chronic liver disease	23	1.3%	84	1.0%	0.331	0.031
Chronic Renal Disease	12	0.7%	50	0.6%	0.092	0.012
Cirrhosis	-	0.0%	1	0.0%	-0.012	-
Congenital Heart Disease	2	0.1%	15	0.2%	-0.043	-0.011
Cystic Fibrosis	2	0.1%	6	0.1%	0.059	0.018
Drug Abuse	8	0.5%	46	0.5%	-0.073	-0.010
Epilepsy/seizures	4	0.2%	21	0.2%	-0.040	-0.008
Hepatic decompensation	6	0.4%	19	0.2%	0.140	0.026
HIV	2	0.1%	8	0.1%	0.036	0.011
Inflammatory bowel disease	12	0.7%	54	0.6%	0.038	0.005
Leukemia/lymphoma	1	0.1%	9	0.1%	-0.019	-0.006
Obesity	161	9.0%	811	9.3%	-0.319	-0.011
Preexisting Diabetes Mellitus	31	1.7%	148	1.7%	0.030	0.002
Preexisting Hypertension	76	4.3%	348	4.0%	0.279	0.014
Previous Cesarean Delivery	27	1.5%	112	1.3%	0.200	0.017
Psychiatric disorders	216	12.1%	1,081	12.4%	-0.329	-0.010
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	7	0.4%	31	0.4%	0.010	0.002
Sickle Cell Disease/thalassemia	3	0.1%	13	0.2%	-0.012	-0.003
Systemic Lupus Erythematosus	5	0.3%	26	0.3%	0.004	0.001
Tobacco use	33	1.8%	166	1.9%	-0.059	-0.004
Vaccine administration	10	0.5%	31	0.4%	0.180	0.027
Screening	1	0.0%	2	0.0%	0.020	0.011
Pap smear	215	12.0%	1,055	12.1%	-0.101	-0.003
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	5	0.3%	27	0.3%	-0.007	-0.001
End stage renal disease	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean number of ambulatory encounters	2.6	3.7	2.6	3.6	0.017	0.005
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.001	0.002

Table 3f. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.002	0.016
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	1.8	2.1	1.7	2.1	0.026	0.012
Mean number of unique generics dispensed	1.8	2.2	1.8	2.4	-0.004	-0.002

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of the total treated/control patient population included in their PS stratum.

Table 3g. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,790	99.9%	8,732	99.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	31.9	4.6	31.3	4.7	0.566	0.121
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,790	100.0%	8,732	100.0%	0.000	-
Year of index date						
2015	227	12.7%	731	8.4%	4.299	0.140
2016	724	40.5%	3,015	34.5%	5.932	0.123
2017	546	30.5%	2,771	31.7%	-1.211	-0.026
2018	292	16.3%	2,214	25.4%	-9.020	-0.223
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	125	7.0%	637	7.3%	-0.289	-0.011
Postterm	395	22.1%	1,809	20.7%	1.364	0.033
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	39.7	1.7	39.6	1.8	0.095	0.056
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	2.9	3.2	7.1	4.3	-4.128	-1.087
<i>Mean number of dispensings in first trimester</i>	1.0	0.2	1.1	0.4	-0.078	-0.253
<i>Mean number of dispensings in second trimester</i>	0.0	0.2	0.2	0.5	-0.181	-0.460
<i>Mean number of dispensings in third trimester</i>	0.0	0.1	0.1	0.5	-0.127	-0.376
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,790	100.0%	8,732	100.0%	0.000	-
Exposed during second trimester	34	1.9%	1,439	16.5%	-14.603	-0.523
Exposed during third trimester	7	0.4%	845	9.7%	-9.311	-0.436
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	343	19.1%	1,643	18.8%	0.323	0.008
Gastrointestinal infections	22	1.2%	78	0.9%	0.337	0.033
Lower respiratory infections	26	1.4%	102	1.2%	0.280	0.025

Table 3g. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Sexually transmitted infections	9	0.5%	52	0.6%	-0.073	-0.010
Urinary tract infections	385	21.5%	1,924	22.0%	-0.525	-0.013
Alcohol Abuse	3	0.1%	13	0.2%	-0.004	-0.001
Asthma	98	5.5%	434	5.0%	0.505	0.023
Cardiac Valvular Disease	10	0.6%	48	0.5%	0.034	0.005
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	2	0.1%	10	0.1%	-0.005	-0.001
Chronic liver disease	22	1.2%	86	1.0%	0.224	0.021
Chronic Renal Disease	13	0.7%	52	0.6%	0.125	0.016
Cirrhosis	-	0.0%	1	0.0%	-0.012	-
Congenital Heart Disease	3	0.2%	17	0.2%	0.001	0.000
Cystic Fibrosis	2	0.1%	7	0.1%	0.026	0.008
Drug Abuse	9	0.5%	46	0.5%	-0.022	-0.003
Epilepsy/seizures	4	0.2%	22	0.2%	-0.045	-0.010
Hepatic decompensation	6	0.3%	20	0.2%	0.096	0.018
HIV	2	0.1%	9	0.1%	0.007	0.002
Inflammatory bowel disease	14	0.8%	53	0.6%	0.165	0.020
Leukemia/lymphoma	1	0.1%	8	0.1%	-0.013	-0.005
Obesity	157	8.8%	806	9.2%	-0.434	-0.015
Preexisting Diabetes Mellitus	32	1.8%	149	1.7%	0.095	0.007
Preexisting Hypertension	71	4.0%	349	4.0%	-0.039	-0.002
Previous Cesarean Delivery	24	1.3%	114	1.3%	0.017	0.002
Psychiatric disorders	224	12.5%	1,078	12.3%	0.152	0.005
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	6	0.3%	31	0.4%	-0.044	-0.008
Sickle Cell Disease/thalassemia	2	0.1%	13	0.2%	-0.031	-0.008
Systemic Lupus Erythematosus	5	0.3%	27	0.3%	-0.018	-0.003
Tobacco use	36	2.0%	167	1.9%	0.104	0.008
Vaccine administration	8	0.4%	32	0.4%	0.076	0.012
Screening	1	0.0%	2	0.0%	0.009	0.005
Pap smear	208	11.6%	1,057	12.1%	-0.482	-0.015
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	7	0.4%	28	0.3%	0.052	0.009
End stage renal disease	-	0.0%	-	0.0%	0.000	-

Table 3g. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of ambulatory encounters	2.6	3.6	2.6	3.6	-0.002	-0.001
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.003	0.006
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.001	0.007
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	1.8	2.1	1.7	2.2	0.057	0.027
Mean number of unique generics dispensed	1.9	2.2	1.8	2.4	0.024	0.011

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of the total treated/control patient population included in their PS stratum.

Table 3h. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,781	99.4%	8,581	98.2%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean maternal age at index date	31.8	4.7	31.4	4.7	0.401	0.085
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,781	100.0%	8,581	100.0%	0.000	-
Year of index date						
2015	155	8.7%	778	9.1%	-0.358	-0.013
2016	661	37.1%	3,009	35.1%	2.047	0.043
2017	560	31.4%	2,672	31.1%	0.280	0.006
2018	405	22.8%	2,122	24.7%	-1.968	-0.046
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	132	7.4%	616	7.2%	0.255	0.010
Postterm	411	23.0%	1,796	20.9%	2.118	0.051
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean gestational age ² at delivery	39.7	1.7	39.6	1.7	0.078	0.045
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Gestational age ² of first exposure, weeks, mean (standard deviation)	2.7	3.3	7.0	4.3	-4.263	-1.104
Mean number of dispensings in first trimester	1.0	0.2	1.1	0.3	-0.056	-0.192
Mean number of dispensings in second trimester	0.0	0.2	0.2	0.5	-0.175	-0.446
Mean number of dispensings in third trimester	0.0	0.0	0.1	0.5	-0.128	-0.377
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,781	100.0%	8,581	100.0%	0.000	-
Exposed during second trimester	42	2.3%	1,411	16.4%	-14.094	-0.498
Exposed during third trimester	4	0.2%	824	9.6%	-9.361	-0.443
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	240	13.5%	1,741	20.3%	-6.789	-0.182
Gastrointestinal infections	23	1.3%	62	0.7%	0.577	0.058
Lower respiratory infections	45	2.5%	86	1.0%	1.532	0.117

Table 3h. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Sexually transmitted infections</i>	4	0.2%	52	0.6%	-0.403	-0.064
<i>Urinary tract infections</i>	499	28.0%	1,594	18.6%	9.438	0.225
<i>Alcohol Abuse</i>	1	0.1%	14	0.2%	-0.101	-0.030
<i>Asthma</i>	79	4.5%	411	4.8%	-0.336	-0.016
<i>Cardiac Valvular Disease</i>	15	0.8%	49	0.6%	0.272	0.032
<i>Chronic Congestive Heart Failure</i>	-	0.0%	1	0.0%	-0.010	-
<i>Chronic Ischemic Heart Disease</i>	1	0.0%	13	0.2%	-0.108	-0.034
<i>Chronic liver disease</i>	15	0.8%	76	0.9%	-0.053	-0.006
<i>Chronic Renal Disease</i>	13	0.7%	41	0.5%	0.229	0.030
<i>Cirrhosis</i>	-	0.0%	1	0.0%	-0.017	-
<i>Congenital Heart Disease</i>	2	0.1%	17	0.2%	-0.107	-0.028
<i>Cystic Fibrosis</i>	8	0.5%	6	0.1%	0.406	0.078
<i>Drug Abuse</i>	5	0.3%	47	0.6%	-0.272	-0.042
<i>Epilepsy/seizures</i>	3	0.2%	21	0.2%	-0.058	-0.012
<i>Hepatic decompensation</i>	6	0.4%	17	0.2%	0.163	0.031
<i>HIV</i>	3	0.1%	8	0.1%	0.057	0.016
<i>Inflammatory bowel disease</i>	11	0.6%	52	0.6%	0.011	0.001
<i>Leukemia/lymphoma</i>	1	0.1%	9	0.1%	-0.051	-0.018
<i>Obesity</i>	212	11.9%	755	8.8%	3.089	0.102
<i>Preexisting Diabetes Mellitus</i>	26	1.4%	145	1.7%	-0.257	-0.021
<i>Preexisting Hypertension</i>	69	3.9%	330	3.8%	0.026	0.001
<i>Previous Cesarean Delivery</i>	13	0.7%	117	1.4%	-0.627	-0.062
<i>Psychiatric disorders</i>	259	14.5%	1,041	12.1%	2.403	0.071
<i>Pulmonary Hypertension</i>	-	0.0%	-	0.0%	0.000	-
<i>Rheumatoid arthritis</i>	4	0.2%	32	0.4%	-0.174	-0.032
<i>Sickle Cell Disease/thalassemia</i>	3	0.2%	13	0.1%	0.025	0.006
<i>Systemic Lupus Erythematosus</i>	6	0.3%	27	0.3%	0.014	0.002
<i>Tobacco use</i>	37	2.1%	157	1.8%	0.246	0.018
<i>Vaccine administration</i>	13	0.7%	27	0.3%	0.401	0.056
<i>Screening</i>	0	0.0%	2	0.0%	0.003	0.002
<i>Pap smear</i>	210	11.8%	1,020	11.9%	-0.071	-0.002
<i>HPV DNA test</i>	-	0.0%	-	0.0%	0.000	-
<i>Fecal occult blood test</i>	4	0.2%	29	0.3%	-0.129	-0.025
<i>End stage renal disease</i>	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean number of ambulatory encounters</i>	3.0	3.8	2.5	3.5	0.491	0.134

Table 3h. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Mean	Standard Deviation	Mean	Standard Deviation		
<i>Mean number of emergency room encounters</i>	0.1	0.4	0.1	0.4	0.039	0.092
<i>Mean number of inpatient hospital encounters</i>	0.0	0.1	0.0	0.1	0.006	0.052
<i>Mean number of non-acute institutional encounters</i>	0.0	0.0	0.0	0.0	-0.000	-
<i>Mean number of unique drug classes dispensed</i>	2.1	2.1	1.7	2.1	0.398	0.187
<i>Mean number of unique generics dispensed</i>	2.2	2.3	1.8	2.3	0.386	0.169

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of the total treated/control patient population included in their PS stratum.

Table 3i. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,508	99.9%	7,160	99.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean maternal age at index date	31.9	4.6	31.5	4.6	0.383	0.083
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,508	100.0%	7,160	100.0%	0.000	-
Year of index date						
2015	176	11.7%	599	8.4%	3.311	0.110
2016	595	39.4%	2,399	33.5%	5.911	0.123
2017	462	30.7%	2,226	31.1%	-0.429	-0.009
2018	275	18.2%	1,935	27.0%	-8.793	-0.211
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	104	6.9%	507	7.1%	-0.162	-0.006
Postterm	326	21.6%	1,506	21.0%	0.594	0.014
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean gestational age ² at delivery	39.6	1.7	39.6	1.7	0.061	0.036
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Gestational age ² of first exposure, weeks, mean (standard deviation)	3.0	3.2	7.0	4.3	-4.061	-1.074
Mean number of dispensings in first trimester	1.0	0.2	1.1	0.4	-0.072	-0.240
Mean number of dispensings in second trimester	0.0	0.2	0.2	0.5	-0.174	-0.478
Mean number of dispensings in third trimester	0.0	0.1	0.1	0.5	-0.124	-0.369
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,508	100.0%	7,160	100.0%	0.000	-
Exposed during second trimester	30	2.0%	1,179	16.5%	-14.488	-0.517
Exposed during third trimester	6	0.4%	680	9.5%	-9.070	-0.427
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	179	11.9%	1,430	20.0%	-8.085	-0.222
Gastrointestinal infections	28	1.8%	59	0.8%	1.013	0.088

Table 3i. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Lower respiratory infections</i>	34	2.3%	71	1.0%	1.269	0.101
<i>Sexually transmitted infections</i>	3	0.2%	39	0.5%	-0.336	-0.055
<i>Urinary tract infections</i>	434	28.8%	1,409	19.7%	9.126	0.214
Alcohol Abuse	1	0.1%	11	0.2%	-0.060	-0.017
Asthma	69	4.6%	332	4.6%	-0.033	-0.002
Cardiac Valvular Disease	5	0.4%	40	0.6%	-0.203	-0.030
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	1	0.1%	7	0.1%	0.005	0.002
Chronic liver disease	22	1.5%	71	1.0%	0.501	0.045
Chronic Renal Disease	10	0.6%	41	0.6%	0.060	0.008
Cirrhosis	-	0.0%	-	0.0%	0.000	-
Congenital Heart Disease	2	0.1%	13	0.2%	-0.040	-0.010
Cystic Fibrosis	1	0.1%	7	0.1%	0.005	0.002
Drug Abuse	7	0.5%	34	0.5%	-0.016	-0.002
Epilepsy/seizures	4	0.2%	19	0.3%	-0.024	-0.005
Hepatic decompensation	6	0.4%	13	0.2%	0.230	0.042
HIV	2	0.1%	7	0.1%	0.053	0.015
Inflammatory bowel disease	11	0.7%	47	0.6%	0.051	0.006
Leukemia/lymphoma	1	0.1%	8	0.1%	-0.021	-0.006
Obesity	136	9.0%	662	9.2%	-0.234	-0.008
Preexisting Diabetes Mellitus	25	1.7%	118	1.6%	0.016	0.001
Preexisting Hypertension	62	4.1%	275	3.8%	0.281	0.014
Previous Cesarean Delivery	24	1.6%	96	1.3%	0.245	0.020
Psychiatric disorders	186	12.3%	896	12.5%	-0.166	-0.005
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	5	0.3%	26	0.4%	-0.033	-0.006
Sickle Cell Disease/thalassemia	3	0.2%	11	0.1%	0.020	0.005
Systemic Lupus Erythematosus	5	0.4%	23	0.3%	0.042	0.007
Tobacco use	24	1.6%	124	1.7%	-0.136	-0.011
Vaccine administration	8	0.5%	30	0.4%	0.119	0.017
Screening	-	0.0%	-	0.0%	0.000	-
Pap smear	182	12.0%	866	12.1%	-0.046	-0.001
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	4	0.3%	20	0.3%	-0.019	-0.004
End stage renal disease	-	0.0%	-	0.0%	0.000	-

Table 3i. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation		
Mean number of ambulatory encounters	2.7	3.8	2.7	3.6	0.010	0.003
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.001	0.002
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.001	0.007
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	1.8	2.1	1.8	2.1	0.035	0.017
Mean number of unique generics dispensed	1.9	2.2	1.9	2.4	0.002	0.001

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of their total treated/control patient population included in their PS stratum.

Table 3j. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Number of pregnant patients	1,507	99.9%	7,155	99.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	32.0	4.6	31.5	4.6	0.434	0.095
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,507	100.0%	7,155	100.0%	0.000	-
<i>Year of index date</i>						
2015	181	12.0%	596	8.3%	3.698	0.122
2016	595	39.5%	2,393	33.4%	6.043	0.126
2017	465	30.9%	2,224	31.1%	-0.220	-0.005
2018	265	17.6%	1,941	27.1%	-9.521	-0.230
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Preterm</i>	101	6.7%	509	7.1%	-0.421	-0.017
<i>Postterm</i>	320	21.2%	1,506	21.0%	0.190	0.005
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	39.7	1.7	39.6	1.7	0.070	0.041
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	3.0	3.2	7.1	4.3	-4.104	-1.082
<i>Mean number of dispensings in first trimester</i>	1.0	0.2	1.1	0.4	-0.075	-0.254
<i>Mean number of dispensings in second trimester</i>	0.0	0.2	0.2	0.5	-0.175	-0.480
<i>Mean number of dispensings in third trimester</i>	0.0	0.1	0.1	0.5	-0.124	-0.368
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Exposed during first trimester</i>	1,507	100.0%	7,155	100.0%	0.000	-
<i>Exposed during second trimester</i>	30	2.0%	1,180	16.5%	-14.534	-0.519
<i>Exposed during third trimester</i>	7	0.4%	678	9.5%	-9.034	-0.426
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Ear, nose, and throat infections	279	18.5%	1,328	18.6%	-0.080	-0.002

Table 3j. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
Gastrointestinal infections	17	1.2%	67	0.9%	0.220	0.022
Lower respiratory infections	22	1.4%	80	1.1%	0.325	0.029
Sexually transmitted infections	6	0.4%	33	0.5%	-0.029	-0.004
Urinary tract infections	312	20.7%	1,529	21.4%	-0.678	-0.017
Alcohol Abuse	2	0.1%	11	0.2%	-0.010	-0.002
Asthma	75	5.0%	331	4.6%	0.352	0.016
Cardiac Valvular Disease	7	0.4%	37	0.5%	-0.084	-0.012
Chronic Congestive Heart Failure	-	0.0%	-	0.0%	0.000	-
Chronic Ischemic Heart Disease	2	0.1%	8	0.1%	0.037	0.011
Chronic liver disease	20	1.3%	73	1.0%	0.335	0.031
Chronic Renal Disease	10	0.7%	42	0.6%	0.069	0.009
Cirrhosis	-	0.0%	-	0.0%	0.000	-
Congenital Heart Disease	2	0.2%	14	0.2%	-0.043	-0.010
Cystic Fibrosis	1	0.1%	7	0.1%	-0.010	-0.003
Drug Abuse	7	0.5%	34	0.5%	0.014	0.002
Epilepsy/seizures	4	0.2%	19	0.3%	-0.019	-0.004
Hepatic decompensation	6	0.4%	14	0.2%	0.183	0.035
HIV	2	0.1%	7	0.1%	0.028	0.008
Inflammatory bowel disease	12	0.8%	46	0.6%	0.175	0.021
Leukemia/lymphoma	1	0.1%	8	0.1%	-0.028	-0.009
Obesity	132	8.8%	659	9.2%	-0.423	-0.015
Preexisting Diabetes Mellitus	26	1.7%	117	1.6%	0.105	0.008
Preexisting Hypertension	56	3.7%	276	3.9%	-0.163	-0.009
Previous Cesarean Delivery	21	1.4%	98	1.4%	0.038	0.003
Psychiatric disorders	194	12.9%	893	12.5%	0.382	0.011
Pulmonary Hypertension	-	0.0%	-	0.0%	0.000	-
Rheumatoid arthritis	4	0.3%	26	0.4%	-0.074	-0.013
Sickle Cell Disease/thalassemia	2	0.1%	11	0.1%	-0.013	-0.004
Systemic Lupus Erythematosus	5	0.3%	23	0.3%	-0.005	-0.001
Tobacco use	28	1.8%	124	1.7%	0.103	0.008
Vaccine administration	8	0.5%	31	0.4%	0.066	0.010
Screening	-	0.0%	-	0.0%	0.000	-
Pap smear	176	11.7%	867	12.1%	-0.453	-0.014
HPV DNA test	-	0.0%	-	0.0%	0.000	-
Fecal occult blood test	4	0.3%	20	0.3%	-0.020	-0.004
End stage renal disease	-	0.0%	-	0.0%	0.000	-
Baseline ¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
Mean number of ambulatory encounters	2.7	3.7	2.7	3.6	-0.008	-0.002

Table 3j. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, General+indications PS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{3,4}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort			
Mean number of emergency room encounters	0.1	0.4	0.1	0.4	0.003	0.009
Mean number of inpatient hospital encounters	0.0	0.1	0.0	0.1	0.001	0.005
Mean number of non-acute institutional encounters	0.0	0.0	0.0	0.0	-0.000	-
Mean number of unique drug classes dispensed	1.8	2.1	1.8	2.1	0.043	0.020
Mean number of unique generics dispensed	1.9	2.2	1.9	2.4	0.008	0.003

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of the total treated/control patient population included in their PS stratum.

Table 3k. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{4,5}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
Number of pregnant patients	1,500	99.4%	7,089	98.9%	-	-
Demographic Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean maternal age at index date</i>	31.9	4.6	31.6	4.6	0.350	0.076
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
10-54	1,500	100.0%	7,089	100.0%	0.000	-
<i>Year of index date</i>						
2015	119		633	8.9%	-0.965	-0.035
2016	557	37.1%	2,405	33.9%	3.212	0.067
2017	475	31.6%	2,169	30.6%	1.043	0.023
2018	349	23.3%	1,882	26.6%	-3.289	-0.076
Pregnancy Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Preterm	113	7.5%	497	7.0%	0.509	0.020
Postterm	330	22.0%	1,508	21.3%	0.754	0.018
	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean gestational age² at delivery</i>	39.6	1.7	39.6	1.7	0.028	0.017
Exposure Characteristics	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Gestational age² of first exposure, weeks, mean (standard deviation)</i>	2.7	3.3	7.0	4.3	-4.353	-1.138
<i>Mean number of dispensings in first trimester</i>	1.0	0.2	1.1	0.3	-0.067	-0.245
<i>Mean number of dispensings in second trimester</i>	0.0	0.2	0.2	0.5	-0.174	-0.481
<i>Mean number of dispensingd in third trimester</i>	0.0	0.1	0.1	0.5	-0.123	-0.374
	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
Exposed during first trimester	1,500	100.0%	7,089	100.0%	0.000	-
Exposed during second trimester	30	2.0%	1,166	16.5%	-14.461	-0.516
Exposed during third trimester	5	0.3%	668	9.4%	-9.102	-0.432
Baseline¹ Health Characteristics	Number	Percent	Number	Percent	Absolute Difference	Standardized Difference
<i>Ear, nose, and throat infections</i>	202	13.5%	1,401	19.8%	-6.304	-0.170
<i>Gastrointestinal infections</i>	18	1.2%	52	0.7%	0.463	0.047

Table 3k. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{4,5}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Number	Percent	Number	Percent		
<i>Lower respiratory infections</i>	43	2.9%	65	0.9%	1.948	0.143
<i>Sexually transmitted infections</i>	3	0.2%	35	0.5%	-0.312	-0.054
<i>Urinary tract infections</i>	392	26.2%	1,338	18.9%	7.293	0.175
<i>Alcohol Abuse</i>	0	0.0%	11	0.2%	-0.126	-0.042
<i>Asthma</i>	64	4.2%	317	4.5%	-0.219	-0.011
<i>Cardiac Valvular Disease</i>	14	0.9%	42	0.6%	0.312	0.036
<i>Chronic Congestive Heart Failure</i>	-	0.0%	-	0.0%	0.000	-
<i>Chronic Ischemic Heart Disease</i>	1	0.1%	9	0.1%	-0.064	-0.021
<i>Chronic liver disease</i>	15	1.0%	63	0.9%	0.135	0.014
<i>Chronic Renal Disease</i>	11	0.7%	35	0.5%	0.222	0.029
<i>Cirrhosis</i>	-	0.0%	-	0.0%	0.000	-
<i>Congenital Heart Disease</i>	2	0.1%	14	0.2%	-0.094	-0.024
<i>Cystic Fibrosis</i>	2	0.1%	6	0.1%	0.019	0.006
<i>Drug Abuse</i>	4	0.2%	36	0.5%	-0.262	-0.043
<i>Epilepsy/seizures</i>	4	0.2%	17	0.2%	-0.009	-0.002
<i>Hepatic decompensation</i>	7	0.5%	11	0.2%	0.322	0.057
<i>HIV</i>	3	0.2%	6	0.1%	0.098	0.026
<i>Inflammatory bowel disease</i>	12	0.8%	44	0.6%	0.148	0.018
<i>Leukemia/lymphoma</i>	1	0.1%	10	0.1%	-0.059	-0.018
<i>Obesity</i>	190	12.7%	632	8.9%	3.745	0.121
<i>Preexisting Diabetes Mellitus</i>	29	1.9%	118	1.7%	0.240	0.018
<i>Preexisting Hypertension</i>	44	2.9%	270	3.8%	-0.896	-0.050
<i>Previous Cesarean Delivery</i>	11	0.8%	101	1.4%	-0.668	-0.064
<i>Psychiatric disorders</i>	224	14.9%	870	12.3%	2.647	0.077
<i>Pulmonary Hypertension</i>	-	0.0%	-	0.0%	0.000	-
<i>Rheumatoid arthritis</i>	4	0.3%	26	0.4%	-0.072	-0.013
<i>Sickle Cell Disease/thalassemia</i>	2	0.1%	10	0.1%	-0.027	-0.008
<i>Systemic Lupus Erythematosus</i>	4	0.3%	24	0.3%	-0.076	-0.014
<i>Tobacco use</i>	31	2.1%	111	1.6%	0.525	0.039
<i>Vaccine administration</i>	13	0.8%	28	0.4%	0.458	0.058
<i>Screening</i>	-	0.0%	1	0.0%	-0.012	-
<i>Pap smear</i>	171	11.4%	842	11.9%	-0.472	-0.015
<i>HPV DNA test</i>	-	0.0%	-	0.0%	0.000	-
<i>Fecal occult blood test</i>	3	0.2%	20	0.3%	-0.056	-0.011
<i>End stage renal disease</i>	-	0.0%	-	0.0%	0.000	-
Baseline¹ Health Service Utilization Intensity	Mean	Standard Deviation	Mean	Standard Deviation	Absolute Difference	Standardized Difference
<i>Mean number of ambulatory encounters</i>	3.1	3.9	2.6	3.5	0.523	0.140
<i>Mean number of emergency room encounters</i>	0.1	0.5	0.1	0.4	0.062	0.143

Table 3k. Baseline Characteristics of the Fluoroquinolones Pregnancy Cohort and the Cephalosporins Pregnancy Cohort, HDPS Stratified With a 180-Day Post-Delivery Enrollment Requirement, in the IBM® MarketScan® Research Databases From October 1, 2015 to March 31, 2019, Percentiles: 10

Characteristic ^{4,5}	Cohorts				Characteristic Balance Between Fluoroquinolones and Cephalosporins Pregnant Cohorts	
	Fluoroquinolones Pregnant Cohort		Cephalosporins Pregnant Cohort		Absolute Difference	Standardized Difference
	Mean	Standard Deviation	Mean	Standard Deviation		
<i>Mean number of inpatient hospital encounters</i>	0.0	0.1	0.0	0.1	0.009	0.070
<i>Mean number of non-acute institutional encounters</i>	0.0	0.0	0.0	0.0	-0.000	-
<i>Mean number of unique drug classes dispensed</i>	2.1	2.1	1.7	2.1	0.399	0.188
<i>Mean number of unique generics dispensed</i>	2.2	2.3	1.8	2.3	0.383	0.168

¹Related to user defined index date (pregnancy start, exposure date, or delivery date)

²Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for preterm and postterm deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. (Li, Q., et al., Validation of an algorithm to estimate gestational age in electronic health plan databases. *Pharmacoepidemiol Drug Saf*, 2013. 22(5): p. 524-32.)

³Characteristics in blue show a standardized difference greater than 0.1. Characteristics in italics were not included in the propensity score logistic regression model.

⁴Weighted patient characteristics tables facilitate the assessment of characteristic balance after PS stratification.

Treated/control patients are weighted by the proportion of the total patient population included in their PS stratum divided by the proportion of the total treated/control patient population included in their PS stratum.

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
General PS: 1:1 matched										
Q31grp	Congenital malformations of larynx	3	34	27	17	1.59	10	6.280	0.014	15.1
Q315grp	Congenital laryngomalacia	4	32	25	16	1.56	9	5.370	0.077	14.0
Q315ngrp	Congenital laryngomalacia	5	32	25	16	1.56	9	5.370	0.077	14.0
Q248ngrp	Other specified congenital malformations of heart	5	6	6	3	2	3	4.159	0.283	3.4
Q248grp	Other specified congenital malformations of heart	4	6	6	3	2	3	4.159	0.283	3.4
Q03grp	Congenital hydrocephalus	3	4	4	2	2	2	2.773	0.824	2.2
P0716ngrp	Other low birth weight newborn, 1500-1749 grams	5	8	7	4	1.75	3	2.531	0.881	3.9
P0716grp	Other low birth weight newborn, 1500-1749 grams	4	8	7	4	1.75	3	2.531	0.881	3.9
Q039grp	Congenital hydrocephalus, unspecified	4	3	3	1.5	2	1.5	2.079	0.997	1.7
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	3	1.5	2	1.5	2.079	0.997	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	3	1.5	2	1.5	2.079	0.997	1.7
Q600grp	Renal agenesis, unilateral	4	3	3	1.5	2	1.5	2.079	0.997	1.7
Q039ngrp	Congenital hydrocephalus, unspecified	5	3	3	1.5	2	1.5	2.079	0.997	1.7
Q100grp	Congenital ptosis	4	3	3	1.5	2	1.5	2.079	0.997	1.7
Q100ngrp	Congenital ptosis	5	3	3	1.5	2	1.5	2.079	0.997	1.7
P071grp	Other low birth weight newborn	3	113	66	56.5	1.17	9.5	1.605	0.999	36.9
P0734ngrp	Preterm newborn, gestational age 31 completed weeks	5	6	5	3	1.67	2	1.456	1.000	2.8
P0734grp	Preterm newborn, gestational age 31 completed weeks	4	6	5	3	1.67	2	1.456	1.000	2.8

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
General+indications PS: 1:1 matched										
Q600grp	Renal agenesis, unilateral	4	3	3	1.5	2	1.5	2.079	0.994	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	3	1.5	2	1.5	2.079	0.994	1.7
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	3	1.5	2	1.5	2.079	0.994	1.7
Q100ngrp	Congenital ptosis	5	3	3	1.5	2	1.5	2.079	0.994	1.7
Q100grp	Congenital ptosis	4	3	3	1.5	2	1.5	2.079	0.994	1.7
Q248ngrp	Other specified congenital malformations of heart	5	7	6	3.5	1.71	2.5	1.981	0.996	3.4
Q248grp	Other specified congenital malformations of heart	4	7	6	3.5	1.71	2.5	1.981	0.996	3.4
Q69grp	Polydactyly	3	10	8	5	1.6	3	1.927	0.997	4.5
P071grp	Other low birth weight newborn	3	112	66	56	1.18	10	1.795	0.998	36.9
Q31grp	Congenital malformations of larynx	3	42	27	21	1.29	6	1.738	0.998	15.1
P0714grp	Other low birth weight newborn, 1000-1249 grams	4	6	5	3	1.67	2	1.456	0.999	2.8
P0714ngrp	Other low birth weight newborn, 1000-1249 grams	5	6	5	3	1.67	2	1.456	0.999	2.8
P0734ngrp	Preterm newborn, gestational age 31 completed weeks	5	6	5	3	1.67	2	1.456	0.999	2.8
P0734grp	Preterm newborn, gestational age 31 completed weeks	4	6	5	3	1.67	2	1.456	0.999	2.8
General+indications PS: 1:1 matched, outcomes in inpatient setting only										
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	3	1.5	2	1.5	2.079	0.987	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	3	1.5	2	1.5	2.079	0.987	1.7

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
Q600grp	Renal agenesis, unilateral	4	3	3	1.5	2	1.5	2.079	0.987	1.7
P0734grp	Preterm newborn, gestational age 31 completed weeks	4	7	6	3.5	1.71	2.5	1.981	0.990	3.4
P0734ngrp	Preterm newborn, gestational age 31 completed weeks	5	7	6	3.5	1.71	2.5	1.981	0.990	3.4
P071grp	Other low birth weight newborn	3	97	57	48.5	1.18	8.5	1.497	0.993	31.8
P0714grp	Other low birth weight newborn, 1000-1249 grams	4	6	5	3	1.67	2	1.456	0.997	2.8
P0714ngrp	Other low birth weight newborn, 1000-1249 grams	5	6	5	3	1.67	2	1.456	0.997	2.8
General+indications PS: 1:1 matched, level 2 of tree for incidence criteria and testing										
Q31grp	Congenital malformations of larynx	3	38	26	19	1.37	7	2.641	0.830	14.5
P0730ngrp	Preterm newborn, unspecified weeks of gestation	5	16	12	8	1.5	4	2.093	0.896	6.7
P0730grp	Preterm newborn, unspecified weeks of gestation	4	16	12	8	1.5	4	2.093	0.896	6.7
Q600ngrp	Renal agenesis, unilateral	5	3	3	1.5	2	1.5	2.079	0.989	1.7
Q248ngrp	Other specified congenital malformations of heart	5	3	3	1.5	2	1.5	2.079	0.989	1.7
Q100grp	Congenital ptosis	4	3	3	1.5	2	1.5	2.079	0.989	1.7
Q248grp	Other specified congenital malformations of heart	4	3	3	1.5	2	1.5	2.079	0.989	1.7
Q100ngrp	Congenital ptosis	5	3	3	1.5	2	1.5	2.079	0.989	1.7
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	3	1.5	2	1.5	2.079	0.989	1.7
Q600grp	Renal agenesis, unilateral	4	3	3	1.5	2	1.5	2.079	0.989	1.7
Q315ngrp	Congenital laryngomalacia	5	36	24	18	1.33	6	2.039	0.989	13.4
Q315grp	Congenital laryngomalacia	4	36	24	18	1.33	6	2.039	0.989	13.4

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
P0736grp	Preterm newborn, gestational age 33 completed weeks	4	10	8	5	1.6	3	1.927	0.993	4.5
P0736ngrp	Preterm newborn, gestational age 33 completed weeks	5	10	8	5	1.6	3	1.927	0.993	4.5
Q30_Q34	Congenital malformations of the respiratory system	2	45	29	22.5	1.29	6.5	1.905	0.993	16.2
Q69grp	Polydactyly	3	9	7	4.5	1.56	2.5	1.471	0.997	3.9
General+indications PS: 1:2 matched										
Q513grp	Bicornate uterus	4	8	6	2.67	2.25	3.33	2.904	0.896	3.4
Q513ngrp	Bicornate uterus	5	8	6	2.67	2.25	3.33	2.904	0.896	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	2	0.67	3	1.33	2.197	1.000	1.1
Q318grp	Other congenital malformations of larynx	4	2	2	0.67	3	1.33	2.197	1.000	1.1
Q692grp	Accessory toe(s)	4	2	2	0.67	3	1.33	2.197	1.000	1.1
Q796ngrp	Ehlers-Danlos syndromes	5	2	2	0.67	3	1.33	2.197	1.000	1.1
Q796grp	Ehlers-Danlos syndromes	4	2	2	0.67	3	1.33	2.197	1.000	1.1
Q78grp	Other osteochondrodysplasias	3	2	2	0.67	3	1.33	2.197	1.000	1.1
Q692ngrp	Accessory toe(s)	5	2	2	0.67	3	1.33	2.197	1.000	1.1
Q69grp	Polydactyly	3	13	8	4.33	1.85	3.67	2.155	1.000	4.5
General+indications PS: 1:3 matched										
Q318grp	Other congenital malformations of larynx	4	2	2	0.5	4	1.5	2.773	0.990	1.2
Q692grp	Accessory toe(s)	4	2	2	0.5	4	1.5	2.773	0.990	1.2
Q78grp	Other osteochondrodysplasias	3	2	2	0.5	4	1.5	2.773	0.990	1.2
Q318ngrp	Other congenital malformations of larynx	5	2	2	0.5	4	1.5	2.773	0.990	1.2
Q692ngrp	Accessory toe(s)	5	2	2	0.5	4	1.5	2.773	0.990	1.2

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
Q513grp	Bicornate uterus	4	10	6	2.5	2.4	3.5	2.738	0.991	3.6
Q513ngrp	Bicornate uterus	5	10	6	2.5	2.4	3.5	2.738	0.991	3.6
Q31grp	Congenital malformations of larynx	3	67	25	16.75	1.49	8.25	2.480	0.994	14.8
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	4	3	1	3	2	2.197	0.999	6.3
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	4	3	1	3	2	2.197	0.999	1.8
P071grp	Other low birth weight newborn	3	203	63	50.75	1.24	12.25	1.879	0.999	37.4
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	108	36	27	1.33	9	1.876	0.999	21.4
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	108	36	27	1.33	9	1.876	0.999	21.4
Q315grp	Congenital laryngomalacia	4	65	23	16.25	1.42	6.75	1.731	0.999	13.7
Q315ngrp	Congenital laryngomalacia	5	65	23	16.25	1.42	6.75	1.731	0.999	13.7
P0714grp	Other low birth weight newborn, 1000-1249 grams	4	10	5	2.5	2	2.5	1.438	1.000	3.0
P0714ngrp	Other low birth weight newborn, 1000-1249 grams	5	10	5	2.5	2	2.5	1.438	1.000	3.0
HDPS: 1:1 matched										
Q048grp	Other specified congenital malformations of brain	4	4	4	2	2	2	2.773	0.835	2.3
Q048ngrp	Other specified congenital malformations of brain	5	4	4	2	2	2	2.773	0.835	2.3
Q31grp	Congenital malformations of larynx	3	45	30	22.5	1.33	7.5	2.548	0.847	17.3
Q100ngrp	Congenital ptosis	5	3	3	1.5	2	1.5	2.079	0.990	1.7
Q120grp	Congenital cataract	4	3	3	1.5	2	1.5	2.079	0.990	1.7

Table 4a. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Bernoulli TreeScan™ Statistic

Node ID	Node Description	Tree Level	Total Cases ¹	Observed Exposed Cases	Expected Exposed Cases ²	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ³
Q100grp	Congenital ptosis	4	3	3	1.5	2	1.5	2.079	0.990	1.7
Q12grp	Congenital lens malformations	3	3	3	1.5	2	1.5	2.079	0.990	1.7
Q120ngrp	Congenital cataract	5	3	3	1.5	2	1.5	2.079	0.990	1.7
Q315grp	Congenital laryngomalacia	4	43	28	21.5	1.3	6.5	1.996	0.991	16.2
Q315ngrp	Congenital laryngomalacia	5	43	28	21.5	1.3	6.5	1.996	0.991	16.2
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	7	6	3.5	1.71	2.5	1.981	0.995	3.5
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	7	6	3.5	1.71	2.5	1.981	0.995	3.5
Q513grp	Bicornate uterus	4	7	6	3.5	1.71	2.5	1.981	0.995	3.5
Q513ngrp	Bicornate uterus	5	7	6	3.5	1.71	2.5	1.981	0.995	3.5

¹Number of cases observed in the exposed group and the referent group

²Expected exposed cases calculated as the total cases multiplied by the proportion of total cases expected to be in the exposed group (0.5 for 1:1 matched, 0.33 for 1:2 matched, 0.25 for 1:3 matched)

³Observed outcome prevalence in the exposed group

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
General PS, expected counts based on referent rate, no enrollment required, unconditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.44	4.17	4.56	4.009	0.438	3.4
Q513grp	Bicornate uterus	4	6	1.44	4.17	4.56	4.009	0.438	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.81	3.32	4.19	3.010	0.841	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.81	3.32	4.19	3.010	0.841	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.22	8.95	1.78	2.607	0.953	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.22	8.95	1.78	2.607	0.953	1.1
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.25	8.06	1.75	2.423	0.974	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.25	8.06	1.75	2.423	0.974	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.61	4.91	2.39	2.385	0.980	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.61	4.91	2.39	2.385	0.980	1.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.26	3.18	2.74	1.882	0.997	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.26	3.18	2.74	1.882	0.997	2.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	27.41	1.39	10.59	1.822	0.998	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	27.41	1.39	10.59	1.822	0.998	21.2
Q248grp	Other specified congenital malformations of heart	4	6	2.6	2.31	3.4	1.623	0.999	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q248ngrp	Other specified congenital malformations of heart	5	6	2.6	2.31	3.4	1.623	0.999	3.4
General PS, expected counts based on referent rate, no enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.36	4.43	4.64	4.267	0.361	3.4
Q513grp	Bicornate uterus	4	6	1.36	4.43	4.64	4.267	0.361	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.71	3.52	4.3	3.248	0.726	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.71	3.52	4.3	3.248	0.726	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.21	9.46	1.79	2.704	0.942	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.21	9.46	1.79	2.704	0.942	1.1
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	25.99	1.49	12.42	2.520	0.965	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	25.99	1.49	12.42	2.520	0.965	21.2
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.24	8.52	1.77	2.518	0.966	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.24	8.52	1.77	2.518	0.966	1.1
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.58	5.19	2.42	2.516	0.973	1.7
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.58	5.19	2.42	2.516	0.973	1.7
P071grp	Other low birth weight newborn	3	66	50.53	1.33	16.55	2.325	0.985	36.9
Q31grp	Congenital malformations of larynx	3	30	20.38	1.49	9.88	2.040	0.997	16.8
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.19	3.36	2.81	2.035	0.997	2.2

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.19	3.36	2.81	2.035	0.997	2.2
Q248grp	Other specified congenital malformations of heart	4	6	2.46	2.45	3.55	1.816	0.999	3.4
Q248ngrp	Other specified congenital malformations of heart	5	6	2.46	2.45	3.55	1.816	0.999	3.4
General PS, expected counts based on referent risk, no enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	1.45	4.15	4.55	3.982	0.437	3.4
Q513ngrp	Bicornate uterus	5	6	1.45	4.15	4.55	3.982	0.437	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.8	3.34	4.2	3.032	0.840	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.8	3.34	4.2	3.032	0.840	3.4
Q318grp	Other congenital malformations of larynx	4	2	0.22	8.99	1.78	2.616	0.958	1.1
Q318ngrp	Other congenital malformations of larynx	5	2	0.22	8.99	1.78	2.616	0.958	1.1
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.24	8.22	1.76	2.457	0.977	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.24	8.22	1.76	2.457	0.977	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.61	4.94	2.39	2.397	0.979	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.61	4.94	2.39	2.397	0.979	1.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.26	3.18	2.74	1.882	0.997	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.26	3.18	2.74	1.882	0.997	2.2

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	27.47	1.38	10.53	1.801	0.999	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	27.47	1.38	10.53	1.801	0.999	21.2
Q248grp	Other specified congenital malformations of heart	4	6	2.58	2.32	3.42	1.643	0.999	3.4
Q248ngrp	Other specified congenital malformations of heart	5	6	2.58	2.32	3.42	1.643	0.999	3.4
Q31grp	Congenital malformations of larynx	3	30	21.42	1.4	8.58	1.527	1.000	16.8
Q692grp	Accessory toe(s)	4	2	0.44	4.54	1.56	1.465	1.000	1.1
Q692ngrp	Accessory toe(s)	5	2	0.44	4.54	1.56	1.465	1.000	1.1
General PS, expected counts based on referent risk, no enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.38	4.38	4.63	4.215	0.370	3.4
Q513grp	Bicornate uterus	4	6	1.38	4.38	4.63	4.215	0.370	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.71	3.52	4.3	3.247	0.724	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.71	3.52	4.3	3.247	0.724	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.21	9.46	1.79	2.703	0.954	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.21	9.46	1.79	2.703	0.954	1.1
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.23	8.65	1.77	2.543	0.972	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.23	8.65	1.77	2.543	0.972	1.1
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.58	5.19	2.42	2.516	0.975	1.7

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.58	5.19	2.42	2.516	0.975	1.7
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	26.19	1.47	12.22	2.428	0.979	21.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	26.19	1.47	12.22	2.428	0.979	21.2
P071grp	Other low birth weight newborn	3	66	50.73	1.33	16.34	2.258	0.993	36.9
Q31grp	Congenital malformations of larynx	3	30	20.42	1.49	9.84	2.022	0.996	16.8
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.2	3.34	2.8	2.020	0.996	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.2	3.34	2.8	2.020	0.996	2.2
Q248grp	Other specified congenital malformations of heart	4	6	2.46	2.45	3.55	1.817	0.999	3.4
Q248ngrp	Other specified congenital malformations of heart	5	6	2.46	2.45	3.55	1.817	0.999	3.4
General+indications PS, expected counts based on referent rate, no enrollment required, unconditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.23	4.88	4.77	4.740	0.233	3.4
Q513grp	Bicornate uterus	4	6	1.23	4.88	4.77	4.740	0.233	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.14	14.69	1.86	3.511	0.646	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.14	14.69	1.86	3.511	0.646	1.1
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.43	6.98	2.57	3.259	0.764	1.7
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.43	6.98	2.57	3.259	0.764	1.7
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.76	3.42	4.24	3.130	0.819	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.76	3.42	4.24	3.130	0.819	3.4
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.2	9.87	1.8	2.781	0.914	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.2	9.87	1.8	2.781	0.914	1.1
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.08	3.72	2.92	2.329	0.980	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.08	3.72	2.92	2.329	0.980	2.2
Q692ngrp	Accessory toe(s)	5	2	0.32	6.33	1.68	2.007	0.993	1.1
Q692grp	Accessory toe(s)	4	2	0.32	6.33	1.68	2.007	0.993	1.1
Q248ngrp	Other specified congenital malformations of heart	5	6	2.36	2.55	3.64	1.966	0.995	3.4
Q248grp	Other specified congenital malformations of heart	4	6	2.36	2.55	3.64	1.966	0.995	3.4
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	27.58	1.38	10.42	1.757	0.999	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	27.58	1.38	10.42	1.757	0.999	21.2
Q51grp	Congenital malformations of uterus and cervix	3	7	3.25	2.15	3.75	1.616	1.000	3.9
General+indications PS, expected counts based on referent rate, no enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.16	5.19	4.84	5.022	0.171	3.4
Q513grp	Bicornate uterus	4	6	1.16	5.19	4.84	5.022	0.171	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.13	15.57	1.87	3.617	0.597	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.13	15.57	1.87	3.617	0.597	1.1

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.41	7.4	2.59	3.407	0.715	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.41	7.4	2.59	3.407	0.715	1.7
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.66	3.63	4.35	3.381	0.724	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	6	6	1.66	3.63	4.35	3.381	0.724	3.4
Q412grp	Congenital absence, atresia and stenosis of ileum	2	2	0.19	10.46	1.81	2.883	0.894	1.1
Q412ngrp	Congenital absence, atresia and stenosis of ileum	2	2	0.19	10.46	1.81	2.883	0.894	1.1
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.02	3.95	2.99	2.499	0.971	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.02	3.95	2.99	2.499	0.971	2.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	38	38	26.09	1.48	12.32	2.473	0.972	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	38	38	26.09	1.48	12.32	2.473	0.972	21.2
P071grp	Other low birth weight newborn	66	66	50.49	1.34	16.59	2.336	0.983	36.9
Q248ngrp	Other specified congenital malformations of heart	6	6	2.23	2.71	3.78	2.181	0.989	3.4
Q248grp	Other specified congenital malformations of heart	6	6	2.23	2.71	3.78	2.181	0.989	3.4
Q692ngrp	Accessory toe(s)	2	2	0.3	6.71	1.7	2.103	0.993	1.1
Q692grp	Accessory toe(s)	2	2	0.3	6.71	1.7	2.103	0.993	1.1
Q31grp	Congenital malformations of larynx	30	30	20.64	1.47	9.62	1.918	0.998	16.8
Q51grp	Congenital malformations of uterus and cervix	7	7	3.08	2.29	3.94	1.839	0.999	3.9

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q76grp	Congenital malformations of spine and bony thorax	4	4	1.43	2.8	2.57	1.541	1.000	2.2
General+indications PS, expected counts based on referent risk, no enrollment required, unconditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.22	4.91	4.78	4.769	0.236	3.4
Q513grp	Bicornate uterus	4	6	1.22	4.91	4.78	4.769	0.236	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.13	15.21	1.87	3.576	0.641	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.13	15.21	1.87	3.576	0.641	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.43	6.93	2.57	3.241	0.789	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.43	6.93	2.57	3.241	0.789	1.7
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.75	3.42	4.25	3.137	0.815	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.75	3.42	4.25	3.137	0.815	3.4
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.2	10.06	1.8	2.815	0.910	1.1
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.2	10.06	1.8	2.815	0.910	1.1
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.08	3.71	2.92	2.323	0.980	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.08	3.71	2.92	2.323	0.980	2.2
Q692ngrp	Accessory toe(s)	5	2	0.31	6.38	1.69	2.020	0.993	1.1
Q692grp	Accessory toe(s)	4	2	0.31	6.38	1.69	2.020	0.993	1.1
Q248ngrp	Other specified congenital malformations of heart	5	6	2.35	2.56	3.65	1.980	0.995	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q248grp	Other specified congenital malformations of heart	4	6	2.35	2.56	3.65	1.980	0.995	3.4
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	27.58	1.38	10.42	1.759	0.999	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	27.58	1.38	10.42	1.759	0.999	21.2
Q51grp	Congenital malformations of uterus and cervix	3	7	3.24	2.16	3.76	1.631	1.000	3.9
General+indications PS, expected counts based on referent risk, no enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.16	5.19	4.84	5.025	0.175	3.4
Q513grp	Bicornate uterus	4	6	1.16	5.19	4.84	5.025	0.175	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.13	16.04	1.88	3.672	0.618	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.13	16.04	1.88	3.672	0.618	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.41	7.31	2.59	3.375	0.730	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.41	7.31	2.59	3.375	0.730	1.7
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.67	3.62	4.34	3.364	0.732	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.67	3.62	4.34	3.364	0.732	3.4
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.19	10.6	1.81	2.908	0.894	1.1
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.19	10.6	1.81	2.908	0.894	1.1
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.03	3.92	2.98	2.477	0.972	2.2

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.03	3.92	2.98	2.477	0.972	2.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	26.23	1.47	12.18	2.409	0.977	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	26.23	1.47	12.18	2.409	0.977	21.2
P071grp	Other low birth weight newborn	3	66	50.6	1.33	16.48	2.302	0.985	36.9
Q248ngrp	Other specified congenital malformations of heart	5	6	2.23	2.7	3.78	2.175	0.990	3.4
Q248grp	Other specified congenital malformations of heart	4	6	2.23	2.7	3.78	2.175	0.990	3.4
Q692ngrp	Accessory toe(s)	5	2	0.3	6.72	1.7	2.107	0.993	1.1
Q692grp	Accessory toe(s)	4	2	0.3	6.72	1.7	2.107	0.993	1.1
Q31grp	Congenital malformations of larynx	3	30	20.71	1.47	9.54	1.883	0.998	16.8
Q51grp	Congenital malformations of uterus and cervix	3	7	3.08	2.28	3.93	1.834	0.999	3.9
HDPS, expected counts based on referent rate, no enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	1.4	4.29	4.6	4.141	0.403	3.4
Q513ngrp	Bicornate uterus	5	6	1.4	4.29	4.6	4.141	0.403	3.4
Q248ngrp	Other specified congenital malformations of heart	5	6	1.55	3.86	4.45	3.662	0.547	3.4
Q248grp	Other specified congenital malformations of heart	4	6	1.55	3.86	4.45	3.662	0.547	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.14	14.53	1.86	3.489	0.601	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.14	14.53	1.86	3.489	0.601	1.1
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.67	3.59	4.33	3.345	0.695	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.67	3.59	4.33	3.345	0.695	3.4
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.44	6.83	2.56	3.202	0.727	1.7
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.44	6.83	2.56	3.202	0.727	1.7
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	24.5	1.55	13.5	3.181	0.731	21.3
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	24.5	1.55	13.5	3.181	0.731	21.3
Q51grp	Congenital malformations of uterus and cervix	3	7	3.13	2.24	3.87	1.766	0.999	3.9
Q600grp	Renal agenesis, unilateral	4	3	0.82	3.66	2.18	1.712	0.999	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	0.82	3.66	2.18	1.712	0.999	1.7
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.82	3.66	2.18	1.712	0.999	1.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.52	2.63	2.48	1.392	1.000	2.2
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.52	2.63	2.48	1.392	1.000	2.2
HDPS, expected counts based on referent rate, no enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	1.3	4.64	4.71	4.482	0.296	3.4
Q513grp	Bicornate uterus	4	6	1.3	4.64	4.71	4.482	0.296	3.4
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	22.83	1.7	15.63	4.344	0.342	21.3
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	22.83	1.7	15.63	4.344	0.342	21.3
Q248ngrp	Other specified congenital malformations of heart	5	6	1.45	4.17	4.56	3.992	0.433	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q248grp	Other specified congenital malformations of heart	4	6	1.45	4.17	4.56	3.992	0.433	3.4
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.56	3.88	4.45	3.667	0.566	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.56	3.88	4.45	3.667	0.566	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.13	15.62	1.87	3.623	0.595	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.13	15.62	1.87	3.623	0.595	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.41	7.35	2.59	3.388	0.667	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.41	7.35	2.59	3.388	0.667	1.7
P071grp	Other low birth weight newborn	3	66	50.09	1.35	17.01	2.470	0.967	37.1
Q51grp	Congenital malformations of uterus and cervix	3	7	2.92	2.41	4.1	2.057	0.994	3.9
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.76	3.94	2.24	1.871	0.999	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	0.76	3.94	2.24	1.871	0.999	1.7
Q600grp	Renal agenesis, unilateral	4	3	0.76	3.94	2.24	1.871	0.999	1.7
Q31grp	Congenital malformations of larynx	3	30	21.03	1.44	9.22	1.742	1.000	16.8
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.42	2.83	2.59	1.574	1.000	2.2
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.42	2.83	2.59	1.574	1.000	2.2
HDPS, expected counts based on referent risk, no enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	1.39	4.3	4.61	4.152	0.404	3.4
Q513ngrp	Bicornate uterus	5	6	1.39	4.3	4.61	4.152	0.404	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q248ngrp	Other specified congenital	5	6	1.56	3.85	4.44	3.643	0.552	3.4
Q248grp	Other specified congenital	4	6	1.56	3.85	4.44	3.643	0.552	3.4
Q318ngrp	Other congenital malformations of	5	2	0.14	14.53	1.86	3.490	0.620	1.1
Q318grp	Other congenital malformations of	4	2	0.14	14.53	1.86	3.490	0.620	1.1
P0731ngrp	Preterm newborn, gestational age 28	5	6	1.67	3.59	4.33	3.341	0.693	3.4
P0731grp	Preterm newborn, gestational age 28	4	6	1.67	3.59	4.33	3.341	0.693	3.4
P0508grp	Newborn light for gestational age,	4	3	0.44	6.82	2.56	3.198	0.724	1.7
P0508ngrp	Newborn light for gestational age,	5	3	0.44	6.82	2.56	3.198	0.724	1.7
P0718ngrp	Other low birth weight newborn,	5	38	24.59	1.55	13.41	3.131	0.738	21.3
P0718grp	Other low birth weight newborn,	4	38	24.59	1.55	13.41	3.131	0.738	21.3
Q51grp	Congenital malformations of uterus	3	7	3.12	2.25	3.88	1.779	0.998	3.9
Q600grp	Renal agenesis, unilateral	4	3	0.82	3.66	2.18	1.712	0.999	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	0.82	3.66	2.18	1.712	0.999	1.7
Q60grp	Renal agenesis and other reduction	3	3	0.82	3.66	2.18	1.712	0.999	1.7
Q764grp	Other congenital malformations of	4	4	1.51	2.64	2.49	1.399	1.000	2.2
Q7649grp	Other congenital malformations of	5	4	1.51	2.64	2.49	1.399	1.000	2.2
HDPS, expected counts based on referent risk, no enrollment required, conditional analysis									
Q513grp	Bicornate uterus	4	6	1.31	4.62	4.7	4.470	0.297	3.4
Q513ngrp	Bicornate uterus	5	6	1.31	4.62	4.7	4.470	0.297	3.4
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	38	23.03	1.68	15.43	4.209	0.364	21.3
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	38	23.03	1.68	15.43	4.209	0.364	21.3
Q248grp	Other specified congenital malformations of heart	4	6	1.46	4.13	4.55	3.950	0.445	3.4
Q248ngrp	Other specified congenital malformations of heart	5	6	1.46	4.13	4.55	3.950	0.445	3.4

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.57	3.85	4.44	3.640	0.575	3.4
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.57	3.85	4.44	3.640	0.575	3.4
Q318ngrp	Other congenital malformations of larynx	5	2	0.13	15.55	1.87	3.614	0.612	1.1
Q318grp	Other congenital malformations of larynx	4	2	0.13	15.55	1.87	3.614	0.612	1.1
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.41	7.3	2.59	3.370	0.675	1.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.41	7.3	2.59	3.370	0.675	1.7
P071grp	Other low birth weight newborn	3	66	50.29	1.34	16.8	2.404	0.976	37.1
Q51grp	Congenital malformations of uterus and cervix	3	7	2.92	2.41	4.09	2.050	0.995	3.9
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.77	3.92	2.23	1.860	0.998	1.7
Q600grp	Renal agenesis, unilateral	4	3	0.77	3.92	2.23	1.860	0.998	1.7
Q600ngrp	Renal agenesis, unilateral	5	3	0.77	3.92	2.23	1.860	0.998	1.7
Q31grp	Congenital malformations of larynx	3	30	21.11	1.44	9.14	1.706	1.000	16.8
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.42	2.83	2.59	1.568	1.000	2.2
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.42	2.83	2.59	1.568	1.000	2.2
General PS, expected counts based on referent rate, 180 days of enrollment required, unconditional analysis									
Q513ngrp	Bicornate uterus	5	6	0.92	6.54	5.08	6.181	0.051	4.0
Q513grp	Bicornate uterus	4	6	0.92	6.54	5.08	6.181	0.051	4.0
P0731ngrp	Preterm newborn, gestational age 28	5	6	1.11	5.42	4.89	5.248	0.138	4.0
P0731grp	Preterm newborn, gestational age 28	4	6	1.11	5.42	4.89	5.248	0.138	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0508ngrp	Newborn light for gestational age,	5	3	0.41	7.34	2.59	3.389	0.650	2.0
P0508grp	Newborn light for gestational age,	4	3	0.41	7.34	2.59	3.389	0.650	2.0
Q318grp	Other congenital malformations of	4	2	0.22	8.91	1.78	2.600	0.944	1.3
Q318ngrp	Other congenital malformations of	5	2	0.22	8.91	1.78	2.600	0.944	1.3
Q412grp	Congenital absence, atresia and	4	2	0.25	7.89	1.75	2.384	0.976	1.3
Q412ngrp	Congenital absence, atresia and	5	2	0.25	7.89	1.75	2.384	0.976	1.3
Q764grp	Other congenital malformations of	4	4	1.1	3.62	2.9	2.254	0.984	2.7
Q7649grp	Other congenital malformations of	5	4	1.1	3.62	2.9	2.254	0.984	2.7
P071grp	Other low birth weight newborn	3	58	44.01	1.32	13.99	2.019	0.993	38.5
Q630ngrp	Accessory kidney	5	2	0.37	5.45	1.63	1.757	0.999	1.3
Q630grp	Accessory kidney	4	2	0.37	5.45	1.63	1.757	0.999	1.3
Q69grp	Polydactyly	3	8	3.82	2.09	4.18	1.734	0.999	5.3
Q51grp	Congenital malformations of uterus	3	7	3.18	2.2	3.82	1.703	0.999	4.6
P0718ngrp	Other low birth weight newborn,	5	32	23.23	1.38	8.77	1.480	1.000	21.2
P0718grp	Other low birth weight newborn,	4	32	23.23	1.38	8.77	1.480	1.000	21.2
General PS, expected counts based on referent rate, 180 days of enrollment required, conditional analysis									
Q513grp	Bicornate uterus	4	6	0.85	7.1	5.16	6.587	0.035	4.0
Q513ngrp	Bicornate uterus	5	6	0.85	7.1	5.16	6.587	0.035	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.03	5.89	4.98	5.638	0.089	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.03	5.89	4.98	5.638	0.089	4.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.38	7.95	2.62	3.591	0.583	2.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.38	7.95	2.62	3.591	0.583	2.0
P071grp	Other low birth weight newborn	3	58	40.82	1.46	18.33	3.439	0.643	38.5

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q318grp	Other congenital malformations of larynx	4	2	0.21	9.64	1.79	2.737	0.927	1.3
Q318ngrp	Other congenital malformations of larynx	5	2	0.21	9.64	1.79	2.737	0.927	1.3
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.24	8.53	1.77	2.519	0.967	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.24	8.53	1.77	2.519	0.967	1.3
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.02	3.93	2.98	2.482	0.971	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.02	3.93	2.98	2.482	0.971	2.7
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	32	21.54	1.51	10.82	2.293	0.982	21.2
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	21.54	1.51	10.82	2.293	0.982	21.2
Q69grp	Polydactyly	3	8	3.54	2.27	4.48	2.075	0.996	5.3
Q51grp	Congenital malformations of uterus and cervix	3	7	2.95	2.39	4.07	2.012	0.997	4.6
Q630grp	Accessory kidney	4	2	0.34	5.89	1.66	1.883	0.998	1.3
Q630ngrp	Accessory kidney	5	2	0.34	5.89	1.66	1.883	0.998	1.3
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.38	2.91	2.63	1.645	1.000	2.7
General PS, expected counts based on referent risk, 180 days of enrollment required, unconditional analysis									
Q513ngrp	Bicornate uterus	5	6	0.92	6.51	5.08	6.163	0.051	4.0
Q513grp	Bicornate uterus	4	6	0.92	6.51	5.08	6.163	0.051	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.11	5.4	4.89	5.230	0.137	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.11	5.4	4.89	5.230	0.137	4.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.41	7.32	2.59	3.383	0.653	2.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.41	7.32	2.59	3.383	0.653	2.0
Q318grp	Other congenital malformations of larynx	4	2	0.23	8.89	1.77	2.594	0.951	1.3
Q318ngrp	Other congenital malformations of larynx	5	2	0.23	8.89	1.77	2.594	0.951	1.3
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.25	7.9	1.75	2.387	0.978	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.25	7.9	1.75	2.387	0.978	1.3
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.1	3.63	2.9	2.263	0.984	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.1	3.63	2.9	2.263	0.984	2.7
P071grp	Other low birth weight newborn	3	58	44.12	1.31	13.88	1.985	0.996	38.5
Q630ngrp	Accessory kidney	5	2	0.37	5.44	1.63	1.754	0.999	1.3
Q630grp	Accessory kidney	4	2	0.37	5.44	1.63	1.754	0.999	1.3
Q69grp	Polydactyly	3	8	3.82	2.1	4.18	1.738	0.999	5.3
Q51grp	Congenital malformations of uterus and cervix	3	7	3.18	2.2	3.82	1.703	0.999	4.6
General PS, expected counts based on referent risk, 180 days of enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	0.86	7.06	5.15	6.553	0.037	4.0
Q513grp	Bicornate uterus	4	6	0.86	7.06	5.15	6.553	0.037	4.0
P0731grp	Preterm newborn, gestational age 28	4	6	1.03	5.85	4.97	5.605	0.093	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731ngrp	Preterm newborn, gestational age 28	5	6	1.03	5.85	4.97	5.605	0.093	4.0
P0508ngrp	Newborn light for gestational age,	5	3	0.38	7.91	2.62	3.577	0.590	2.0
P0508grp	Newborn light for gestational age,	4	3	0.38	7.91	2.62	3.577	0.590	2.0
P071grp	Other low birth weight newborn	3	58	41.04	1.45	18.1	3.340	0.684	38.5
Q318ngrp	Other congenital malformations of	5	2	0.21	9.58	1.79	2.726	0.938	1.3
Q318grp	Other congenital malformations of	4	2	0.21	9.58	1.79	2.726	0.938	1.3
Q412ngrp	Congenital absence, atresia and	5	2	0.24	8.51	1.77	2.516	0.971	1.3
Q412grp	Congenital absence, atresia and	4	2	0.24	8.51	1.77	2.516	0.971	1.3
Q764grp	Other congenital malformations of	4	4	1.02	3.93	2.98	2.482	0.972	2.7
Q7649grp	Other congenital malformations of	5	4	1.02	3.93	2.98	2.482	0.972	2.7
P0718ngrp	Other low birth weight newborn,	5	32	21.7	1.5	10.65	2.212	0.988	21.2
P0718grp	Other low birth weight newborn,	4	32	21.7	1.5	10.65	2.212	0.988	21.2
Q69grp	Polydactyly	3	8	3.55	2.27	4.48	2.066	0.996	5.3
Q51grp	Congenital malformations of uterus	3	7	2.96	2.38	4.06	2.001	0.997	4.6
Q630grp	Accessory kidney	4	2	0.34	5.86	1.66	1.875	0.998	1.3
Q630ngrp	Accessory kidney	5	2	0.34	5.86	1.66	1.875	0.998	1.3
Q76grp	Congenital malformations of spine	3	4	1.38	2.91	2.63	1.644	1.000	2.7
General+indications PS, expected counts based on referent rate, 180 days of enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	0.83	7.27	5.17	6.729	0.026	4.0
Q513ngrp	Bicornate uterus	5	6	0.83	7.27	5.17	6.729	0.026	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.07	5.59	4.93	5.398	0.116	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.07	5.59	4.93	5.398	0.116	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.31	9.56	2.69	4.085	0.387	2.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.31	9.56	2.69	4.085	0.387	2.0
Q318ngrp	Other congenital malformations of larynx	5	2	0.15	13.14	1.85	3.303	0.712	1.3
Q318grp	Other congenital malformations of larynx	4	2	0.15	13.14	1.85	3.303	0.712	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.22	9.2	1.78	2.655	0.925	1.3
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.22	9.2	1.78	2.655	0.925	1.3
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1	4	3	2.548	0.950	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1	4	3	2.548	0.950	2.7
Q51grp	Congenital malformations of uterus and cervix	3	7	2.87	2.44	4.13	2.114	0.987	4.6
Q692grp	Accessory toe(s)	4	2	0.31	6.47	1.69	2.044	0.991	1.3
Q692ngrp	Accessory toe(s)	5	2	0.31	6.47	1.69	2.044	0.991	1.3
P071grp	Other low birth weight newborn	3	58	44.45	1.3	13.55	1.882	0.997	38.5
Q630ngrp	Accessory kidney	5	2	0.36	5.57	1.64	1.792	0.998	1.3
Q630grp	Accessory kidney	4	2	0.36	5.57	1.64	1.792	0.998	1.3
Q69grp	Polydactyly	3	8	3.84	2.08	4.16	1.711	0.999	5.3
General+indications PS, expected counts based on referent rate, 180 days of enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	0.76	7.93	5.24	7.161	0.018	4.0
Q513grp	Bicornate uterus	4	6	0.76	7.93	5.24	7.161	0.018	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	0.99	6.09	5.02	5.809	0.082	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	0.99	6.09	5.02	5.809	0.082	4.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.29	10.38	2.71	4.304	0.330	2.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.29	10.38	2.71	4.304	0.330	2.0
Q318grp	Other congenital malformations of larynx	4	2	0.14	14.26	1.86	3.452	0.658	1.3
Q318ngrp	Other congenital malformations of larynx	5	2	0.14	14.26	1.86	3.452	0.658	1.3
P071grp	Other low birth weight newborn	3	58	41.08	1.45	18.05	3.321	0.753	38.5
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.2	9.98	1.8	2.799	0.892	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.2	9.98	1.8	2.799	0.892	1.3
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	0.92	4.35	3.08	2.795	0.903	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	0.92	4.35	3.08	2.795	0.903	2.7
Q51grp	Congenital malformations of uterus and cervix	3	7	2.65	2.66	4.37	2.463	0.968	4.6
Q692grp	Accessory toe(s)	4	2	0.29	7.02	1.72	2.181	0.988	1.3
Q692ngrp	Accessory toe(s)	5	2	0.29	7.02	1.72	2.181	0.988	1.3
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	21.78	1.49	10.58	2.176	0.988	21.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	32	21.78	1.49	10.58	2.176	0.988	21.2
Q69grp	Polydactyly	3	8	3.55	2.27	4.48	2.066	0.995	5.3
Q630grp	Accessory kidney	4	2	0.33	6.04	1.67	1.925	0.997	1.3

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q630ngrp	Accessory kidney	5	2	0.33	6.04	1.67	1.925	0.997	1.3
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.36	2.95	2.65	1.680	1.000	2.7
Q233grp	Congenital mitral insufficiency	4	3	0.86	3.51	2.15	1.621	1.000	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.86	3.51	2.15	1.621	1.000	2.0
Q248grp	Other specified congenital malformations of heart	4	5	2.06	2.44	2.95	1.505	1.000	3.3
Q248ngrp	Other specified congenital malformations of heart	5	5	2.06	2.44	2.95	1.505	1.000	3.3
General+indications PS, expected counts based on referent risk, 180 days of enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	0.83	7.26	5.17	6.721	0.026	4.0
Q513ngrp	Bicornate uterus	5	6	0.83	7.26	5.17	6.721	0.026	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.08	5.57	4.92	5.378	0.117	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.08	5.57	4.92	5.378	0.117	4.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.31	9.57	2.69	4.089	0.383	2.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.31	9.57	2.69	4.089	0.383	2.0
Q318ngrp	Other congenital malformations of larynx	5	2	0.15	13.15	1.85	3.305	0.735	1.3
Q318grp	Other congenital malformations of larynx	4	2	0.15	13.15	1.85	3.305	0.735	1.3
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.22	9.21	1.78	2.658	0.932	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.22	9.21	1.78	2.658	0.932	1.3

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1	4	3	2.549	0.949	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1	4	3	2.549	0.949	2.7
Q51grp	Congenital malformations of uterus and cervix	3	7	2.87	2.44	4.13	2.116	0.987	4.6
Q692ngrp	Accessory toe(s)	5	2	0.31	6.48	1.69	2.046	0.992	1.3
Q692grp	Accessory toe(s)	4	2	0.31	6.48	1.69	2.046	0.992	1.3
P071grp	Other low birth weight newborn	3	58	44.54	1.3	13.46	1.856	0.997	38.5
Q630grp	Accessory kidney	4	2	0.36	5.57	1.64	1.794	0.998	1.3
Q630ngrp	Accessory kidney	5	2	0.36	5.57	1.64	1.794	0.998	1.3
Q69grp	Polydactyly	3	8	3.84	2.09	4.16	1.716	0.999	5.3
General+indications PS, expected counts based on referent risk, 180 days of enrollment required, conditional analysis									
Q513ngrp	Bicornate uterus	5	6	0.77	7.9	5.24	7.139	0.017	4.0
Q513grp	Bicornate uterus	4	6	0.77	7.9	5.24	7.139	0.017	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1	6.05	5.01	5.776	0.083	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1	6.05	5.01	5.776	0.083	4.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	3	0.29	10.37	2.71	4.300	0.331	2.0
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	3	0.29	10.37	2.71	4.300	0.331	2.0
Q318grp	Other congenital malformations of larynx	4	2	0.14	14.23	1.86	3.449	0.682	1.3
Q318ngrp	Other congenital malformations of larynx	5	2	0.14	14.23	1.86	3.449	0.682	1.3
P071grp	Other low birth weight newborn	3	58	41.27	1.45	17.86	3.240	0.774	38.5

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q412grp	Congenital absence, atresia and stenosis of ileum	4	2	0.2	9.97	1.8	2.797	0.905	1.3
Q412ngrp	Congenital absence, atresia and stenosis of ileum	5	2	0.2	9.97	1.8	2.797	0.905	1.3
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	0.93	4.34	3.08	2.788	0.906	2.7
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	0.93	4.34	3.08	2.788	0.906	2.7
Q51grp	Congenital malformations of uterus and cervix	3	7	2.66	2.65	4.36	2.454	0.968	4.6
Q692grp	Accessory toe(s)	4	2	0.29	7.01	1.71	2.179	0.986	1.3
Q692ngrp	Accessory toe(s)	5	2	0.29	7.01	1.71	2.179	0.986	1.3
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	21.93	1.48	10.42	2.105	0.992	21.2
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	32	21.93	1.48	10.42	2.105	0.992	21.2
Q69grp	Polydactyly	3	8	3.55	2.27	4.47	2.060	0.994	5.3
Q630grp	Accessory kidney	4	2	0.33	6.03	1.67	1.922	0.997	1.3
Q630ngrp	Accessory kidney	5	2	0.33	6.03	1.67	1.922	0.997	1.3
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.36	2.95	2.64	1.675	1.000	2.7
Q233grp	Congenital mitral insufficiency	4	3	0.86	3.51	2.14	1.616	1.000	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.86	3.51	2.14	1.616	1.000	2.0
Q248grp	Other specified congenital malformations of heart	4	5	2.06	2.43	2.95	1.495	1.000	3.3
Q248ngrp	Other specified congenital malformations of heart	5	5	2.06	2.43	2.95	1.495	1.000	3.3
HDPS, expected counts based on referent rate, 180 days of enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	0.85	7.03	5.15	6.554	0.043	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q513ngrp	Bicornate uterus	5	6	0.85	7.03	5.15	6.554	0.043	4.0
Q318ngrp	Other congenital malformations of larynx	5	2	0.079	25.38	1.92	4.546	0.287	1.3
Q318grp	Other congenital malformations of larynx	4	2	0.079	25.38	1.92	4.546	0.287	1.3
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.33	4.51	4.67	4.367	0.324	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.33	4.51	4.67	4.367	0.324	4.0
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	32	19.25	1.66	12.75	3.516	0.556	21.3
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	19.25	1.66	12.75	3.516	0.556	21.3
Q600ngrp	Renal agenesis, unilateral	5	3	0.56	5.38	2.44	2.604	0.886	2.0
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.56	5.38	2.44	2.604	0.886	2.0
Q600grp	Renal agenesis, unilateral	4	3	0.56	5.38	2.44	2.604	0.886	2.0
Q248ngrp	Other specified congenital malformations of heart	5	5	1.48	3.39	3.52	2.579	0.908	3.3
Q248grp	Other specified congenital malformations of heart	4	5	1.48	3.39	3.52	2.579	0.908	3.3
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	1.02	3.92	2.98	2.485	0.927	2.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	1.02	3.92	2.98	2.485	0.927	2.7
Q51grp	Congenital malformations of uterus and cervix	3	7	2.64	2.65	4.36	2.463	0.957	4.7
P0736grp	Preterm newborn, gestational age 33 completed weeks	4	10	4.82	2.07	5.18	2.114	0.987	6.7

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0736ngrp	Preterm newborn, gestational age 33 completed weeks	5	10	4.82	2.07	5.18	2.114	0.987	6.7
P071grp	Other low birth weight newborn	3	58	44.1	1.32	13.9	1.991	0.992	38.7
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	2	0.32	6.24	1.68	1.983	0.993	1.3
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	2	0.32	6.24	1.68	1.983	0.993	1.3
Q233grp	Congenital mitral insufficiency	4	3	0.74	4.08	2.26	1.952	0.994	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.74	4.08	2.26	1.952	0.994	2.0
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.29	3.1	2.71	1.817	0.996	2.7
Q120grp	Congenital cataract	4	3	0.8	3.77	2.2	1.776	0.998	2.0
Q120ngrp	Congenital cataract	5	3	0.8	3.77	2.2	1.776	0.998	2.0
Q12grp	Congenital lens malformations	3	3	0.82	3.64	2.18	1.702	0.999	2.0
Q656ngrp	Congenital unstable hip	5	2	0.39	5.14	1.61	1.662	0.999	1.3
Q656grp	Congenital unstable hip	4	2	0.39	5.14	1.61	1.662	0.999	1.3
Q692grp	Accessory toe(s)	4	2	0.4	4.97	1.6	1.608	1.000	1.3
Q692ngrp	Accessory toe(s)	5	2	0.4	4.97	1.6	1.608	1.000	1.3
HDPS, expected counts based on referent rate, 180 days of enrollment required, conditional analysis									
Q513grp	Bicornate uterus	4	6	0.78	7.74	5.22	7.031	0.023	4.0
Q513ngrp	Bicornate uterus	5	6	0.78	7.74	5.22	7.031	0.023	4.0
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	4	32	17.62	1.86	14.78	4.877	0.216	21.3
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	17.62	1.86	14.78	4.877	0.216	21.3
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.22	4.96	4.79	4.801	0.224	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.22	4.96	4.79	4.801	0.224	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q318ngrp	Other congenital malformations of larynx	5	2	0.072	27.8	1.93	4.719	0.250	1.3
Q318grp	Other congenital malformations of larynx	4	2	0.072	27.8	1.93	4.719	0.250	1.3
P071grp	Other low birth weight newborn	3	58	40.38	1.48	18.79	3.639	0.518	38.7
Q248ngrp	Other specified congenital malformations of heart	5	5	1.35	3.72	3.66	2.905	0.816	3.3
Q248grp	Other specified congenital malformations of heart	4	5	1.35	3.72	3.66	2.905	0.816	3.3
Q51grp	Congenital malformations of uterus and cervix	3	7	2.42	2.91	4.6	2.873	0.820	4.7
Q600grp	Renal agenesis, unilateral	4	3	0.51	5.89	2.49	2.826	0.832	2.0
Q600ngrp	Renal agenesis, unilateral	5	3	0.51	5.89	2.49	2.826	0.832	2.0
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.51	5.89	2.49	2.826	0.832	2.0
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	0.93	4.3	3.07	2.759	0.844	2.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	0.93	4.3	3.07	2.759	0.844	2.7
P0736grp	Preterm newborn, gestational age 33 completed weeks	4	10	4.42	2.28	5.62	2.612	0.943	6.7
P0736ngrp	Preterm newborn, gestational age 33 completed weeks	5	10	4.42	2.28	5.62	2.612	0.943	6.7
Q233grp	Congenital mitral insufficiency	4	3	0.67	4.47	2.33	2.158	0.986	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.67	4.47	2.33	2.158	0.986	2.0
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	2	0.29	6.84	1.71	2.135	0.987	1.3
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	2	0.29	6.84	1.71	2.135	0.987	1.3

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.18	3.4	2.82	2.067	0.991	2.7
Q120ngrp	Congenital cataract	5	3	0.73	4.13	2.27	1.978	0.994	2.0
Q120grp	Congenital cataract	4	3	0.73	4.13	2.27	1.978	0.994	2.0
Q12grp	Congenital lens malformations	3	3	0.75	3.99	2.25	1.901	0.996	2.0
Q656ngrp	Congenital unstable hip	5	2	0.36	5.62	1.64	1.808	0.999	1.3
Q656grp	Congenital unstable hip	4	2	0.36	5.62	1.64	1.808	0.999	1.3
Q692grp	Accessory toe(s)	4	2	0.37	5.44	1.63	1.752	0.999	1.3
Q692ngrp	Accessory toe(s)	5	2	0.37	5.44	1.63	1.752	0.999	1.3
P0734ngrp	Preterm newborn, gestational age 31 completed weeks	5	4	1.47	2.73	2.53	1.478	1.000	2.7
P0734grp	Preterm newborn, gestational age 31 completed weeks	4	4	1.47	2.73	2.53	1.478	1.000	2.7
HDPS, expected counts based on referent risk, 180 days of enrollment required, unconditional analysis									
Q513grp	Bicornate uterus	4	6	0.86	6.99	5.14	6.526	0.044	4.0
Q513ngrp	Bicornate uterus	5	6	0.86	6.99	5.14	6.526	0.044	4.0
Q318ngrp	Other congenital malformations of	5	2	0.079	25.4	1.92	4.548	0.287	1.3
Q318grp	Other congenital malformations of	4	2	0.079	25.4	1.92	4.548	0.287	1.3
P0731grp	Preterm newborn, gestational age 28	4	6	1.33	4.5	4.67	4.357	0.324	4.0
P0731ngrp	Preterm newborn, gestational age 28	5	6	1.33	4.5	4.67	4.357	0.324	4.0
P0718grp	Other low birth weight newborn,	4	32	19.37	1.65	12.63	3.434	0.579	21.3
P0718ngrp	Other low birth weight newborn,	5	32	19.37	1.65	12.63	3.434	0.579	21.3
Q600ngrp	Renal agenesis, unilateral	5	3	0.56	5.36	2.44	2.597	0.883	2.0
Q60grp	Renal agenesis and other reduction	3	3	0.56	5.36	2.44	2.597	0.883	2.0
Q600grp	Renal agenesis, unilateral	4	3	0.56	5.36	2.44	2.597	0.883	2.0
Q248ngrp	Other specified congenital	5	5	1.47	3.39	3.53	2.583	0.885	3.3
Q248grp	Other specified congenital	4	5	1.47	3.39	3.53	2.583	0.885	3.3

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
Q7649grp	Other congenital malformations of	5	4	1.02	3.93	2.98	2.492	0.926	2.7
Q764grp	Other congenital malformations of	4	4	1.02	3.93	2.98	2.492	0.926	2.7
Q51grp	Congenital malformations of uterus	3	7	2.64	2.65	4.36	2.463	0.957	4.7
P0736grp	Preterm newborn, gestational age 33	4	10	4.84	2.07	5.16	2.097	0.988	6.7
P0736ngrp	Preterm newborn, gestational age 33	5	10	4.84	2.07	5.16	2.097	0.988	6.7
P0508ngrp	Newborn light for gestational age,	5	2	0.32	6.24	1.68	1.982	0.993	1.3
P0508grp	Newborn light for gestational age,	4	2	0.32	6.24	1.68	1.982	0.993	1.3
P071grp	Other low birth weight newborn	3	58	44.17	1.31	13.83	1.969	0.994	38.7
Q233grp	Congenital mitral insufficiency	4	3	0.74	4.07	2.26	1.951	0.994	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.74	4.07	2.26	1.951	0.994	2.0
Q76grp	Congenital malformations of spine	3	4	1.29	3.11	2.71	1.822	0.996	2.7
Q120grp	Congenital cataract	4	3	0.8	3.76	2.2	1.772	0.998	2.0
Q120ngrp	Congenital cataract	5	3	0.8	3.76	2.2	1.772	0.998	2.0
Q12grp	Congenital lens malformations	3	3	0.83	3.64	2.17	1.697	0.999	2.0
Q656ngrp	Congenital unstable hip	5	2	0.39	5.14	1.61	1.664	0.999	1.3
Q656grp	Congenital unstable hip	4	2	0.39	5.14	1.61	1.664	0.999	1.3
Q692grp	Accessory toe(s)	4	2	0.4	4.96	1.6	1.605	1.000	1.3
Q692ngrp	Accessory toe(s)	5	2	0.4	4.96	1.6	1.605	1.000	1.3
HDPS, expected counts based on referent risk, 180 days of enrollment required, conditional analysis									
Q513grp	Bicornate uterus	4	6	0.79	7.67	5.22	6.984	0.024	4.0
Q513ngrp	Bicornate uterus	5	6	0.79	7.67	5.22	6.984	0.024	4.0
P0731grp	Preterm newborn, gestational age 28 completed weeks	4	6	1.23	4.93	4.78	4.772	0.226	4.0
P0731ngrp	Preterm newborn, gestational age 28 completed weeks	5	6	1.23	4.93	4.78	4.772	0.226	4.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0718grp	Other low birth weight newborn, 2000-2499 grams	4	32	17.8	1.84	14.6	4.727	0.242	21.3
P0718ngrp	Other low birth weight newborn, 2000-2499 grams	5	32	17.8	1.84	14.6	4.727	0.242	21.3
Q318ngrp	Other congenital malformations of larynx	5	2	0.072	27.71	1.93	4.713	0.253	1.3
Q318grp	Other congenital malformations of larynx	4	2	0.072	27.71	1.93	4.713	0.253	1.3
P071grp	Other low birth weight newborn	3	58	40.6	1.47	18.56	3.539	0.546	38.7
Q248ngrp	Other specified congenital malformations of heart	5	5	1.35	3.71	3.65	2.896	0.821	3.3
Q248grp	Other specified congenital malformations of heart	4	5	1.35	3.71	3.65	2.896	0.821	3.3
Q51grp	Congenital malformations of uterus and cervix	3	7	2.43	2.9	4.59	2.856	0.826	4.7
Q600grp	Renal agenesis, unilateral	4	3	0.51	5.85	2.49	2.809	0.837	2.0
Q600ngrp	Renal agenesis, unilateral	5	3	0.51	5.85	2.49	2.809	0.837	2.0
Q60grp	Renal agenesis and other reduction defects of kidney	3	3	0.51	5.85	2.49	2.809	0.837	2.0
Q7649grp	Other congenital malformations of spine, not associated with scoliosis	5	4	0.94	4.3	3.07	2.754	0.849	2.7
Q764grp	Other congenital malformations of spine, not associated with scoliosis	4	4	0.94	4.3	3.07	2.754	0.849	2.7
P0736grp	Preterm newborn, gestational age 33 completed weeks	4	10	4.45	2.27	5.59	2.573	0.942	6.7
P0736ngrp	Preterm newborn, gestational age 33 completed weeks	5	10	4.45	2.27	5.59	2.573	0.942	6.7
Q233grp	Congenital mitral insufficiency	4	3	0.68	4.45	2.33	2.148	0.986	2.0
Q233ngrp	Congenital mitral insufficiency	5	3	0.68	4.45	2.33	2.148	0.986	2.0

Table 4b. Results from TreeScan™ Analysis Software for Most Likely Nodes using the Poisson TreeScan™ Statistic

Node ID	Node Description	Tree Level	Observed Exposed Cases	Expected Exposed Cases ¹	Relative Risk (observed/expected)	Excess Cases (observed-expected)	Log Likelihood Ratio	P-value	Prevalence per 1,000 Exposed ²
P0508grp	Newborn light for gestational age, 2000-2499 grams	4	2	0.29	6.8	1.71	2.127	0.988	1.3
P0508ngrp	Newborn light for gestational age, 2000-2499 grams	5	2	0.29	6.8	1.71	2.127	0.988	1.3
Q76grp	Congenital malformations of spine and bony thorax	3	4	1.18	3.4	2.82	2.061	0.992	2.7
Q120ngrp	Congenital cataract	5	3	0.73	4.11	2.27	1.964	0.994	2.0
Q120grp	Congenital cataract	4	3	0.73	4.11	2.27	1.964	0.994	2.0
Q12grp	Congenital lens malformations	3	3	0.76	3.97	2.24	1.887	0.997	2.0
Q656ngrp	Congenital unstable hip	5	2	0.36	5.61	1.64	1.804	0.999	1.3
Q656grp	Congenital unstable hip	4	2	0.36	5.61	1.64	1.804	0.999	1.3
Q692grp	Accessory toe(s)	4	2	0.37	5.41	1.63	1.743	0.999	1.3
Q692ngrp	Accessory toe(s)	5	2	0.37	5.41	1.63	1.743	0.999	1.3
P0734ngrp	Preterm newborn, gestational age 31 completed weeks	5	4	1.48	2.71	2.53	1.463	1.000	2.7
P0734grp	Preterm newborn, gestational age 31 completed weeks	4	4	1.48	2.71	2.53	1.463	1.000	2.7

¹Expected exposed cases calculated as the outcome risk or rate in the referent group multiplied by the total exposed patients or total exposed person-time, respectively

²Observed outcome prevalence in the exposed group

Table 5. Top 25 Variables Selected for High-Dimensional Propensity Score Models

Dimension	Code	Description	Frequency	Ranking ¹
HDPS: 1:1 matched				
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Frequent	3.502574692
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Often	2.726735795
HCPCS	J1956	Injection Levofloxacin 250 Mg	Any	2.683633932
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Any	2.186461339
ICDDX09	6466	Infections Of Genitourinary Tract In Pregnancy	Frequent	2.164482432
HCPCS	J0696	Injection Ceftriaxone Sodium Per 250 Mg	Any	2.146278526
HCPCS	J0694	Injection Cefoxitin Sodium 1 G	Any	2.103857811
ICDDX10	O219	Vomiting Of Pregnancy Unspecified	Frequent	1.921536254
ICDDX10	O210	Mild Hyperemesis Gravidarum	Frequent	1.864965902
ICDDX09	7391	Nonallopathic Lesion Of Cervical Region Nec	Frequent	1.816175738
HCPCS	J7042	5% Dextrose/Normal Saline	Any	1.710815222
HCPCS	S4015	Cmpl In Vitro Fertilization Cycle Case Rate Nos	Any	1.710815222
HCPCS	S9351	Home Infusion Therapy Cont Anti-Emetic; Per Diem	Any	1.673074894
HCPCS	J0690	Injection Cefazolin Sodium 500 Mg	Any	1.606825509
ICDDX10	O210	Mild Hyperemesis Gravidarum	Often	1.59995263
ICDPX10	0DB64Z3	Excision Stomach Perq Endo Approach Vertical	Any	1.585021644
ICDPX10	0DJD8ZZ	Inspection Low Intest Tract Nat/Art Opening Endo	Any	1.585021644
ICDPX10	0F798DZ	Dilation Comn Bile Duct Int Devc Nat/Art Op Endo	Any	1.585021644
ICDPX10	0T768DZ	Dilat Rt Ureter Intralum Devc Nat/Art Open Endo	Any	1.585021644
ICDPX10	0UB04ZZ	Excision Right Ovary Perq Endoscopic	Any	1.585021644
ICDPX10	0UQ90ZZ	Repair Uterus Open	Any	1.585021644
ICDPX10	10D07Z6	Extraction Poc Vacuum Via Natural/Artif Opening	Any	1.585021644
ICDPX09	8051	Excision Of Intervertebral Disc	Any	1.585021644
ICDPX09	8874	Diagnostic Ultrasound Of Digestive System	Any	1.585021644
ICDPX09	8876	Diagnostic Ultrasound Of Abdomen&retroperitoneum	Any	1.585021644
HDPS: PS stratified				
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Frequent	3.502574692
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Often	2.726735795
HCPCS	J1956	Injection Levofloxacin 250 Mg	Any	2.683633932
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Any	2.186461339
ICDDX09	6466	Infections Of Genitourinary Tract In Pregnancy	Frequent	2.164482432
HCPCS	J0696	Injection Ceftriaxone Sodium Per 250 Mg	Any	2.146278526
HCPCS	J0694	Injection Cefoxitin Sodium 1 G	Any	2.103857811
ICDDX10	O219	Vomiting Of Pregnancy Unspecified	Frequent	1.921536254
ICDDX10	O210	Mild Hyperemesis Gravidarum	Frequent	1.864965902
ICDDX09	7391	Nonallopathic Lesion Of Cervical Region Nec	Frequent	1.816175738
HCPCS	J7042	5% Dextrose/Normal Saline	Any	1.710815222
HCPCS	S4015	Cmpl In Vitro Fertilization Cycle Case Rate Nos	Any	1.710815222
HCPCS	S9351	Home Infusion Therapy Cont Anti-Emetic; Per Diem	Any	1.673074894
HCPCS	J0690	Injection Cefazolin Sodium 500 Mg	Any	1.606825509
ICDDX10	O210	Mild Hyperemesis Gravidarum	Often	1.59995263
ICDPX10	0DB64Z3	Excision Stomach Perq Endo Approach Vertical	Any	1.585021644

Table 5. Top 25 Variables Selected for High-Dimensional Propensity Score Models

Dimension	Code	Description	Frequency	Ranking ¹
ICDPX10	0DJD8ZZ	Inspection Low Intest Tract Nat/Art Opening Endo	Any	1.585021644
ICDPX10	0F798DZ	Dilation Comn Bile Duct Int Devc Nat/Art Op Endo	Any	1.585021644
ICDPX10	0T768DZ	Dilat Rt Ureter Intralum Devc Nat/Art Open Endo	Any	1.585021644
ICDPX10	0UB04ZZ	Excision Right Ovary Perq Endoscopic	Any	1.585021644
ICDPX10	0UQ90ZZ	Repair Uterus Open	Any	1.585021644
ICDPX10	10D07Z6	Extraction Poc Vacuum Via Natural/Artif Opening	Any	1.585021644
ICDPX09	8051	Excision Of Intervertebral Disc	Any	1.585021644
ICDPX09	8874	Diagnostic Ultrasound Of Digestive System	Any	1.585021644
ICDPX09	8876	Diagnostic Ultrasound Of Abdomen&retroperitoneum	Any	1.585021644
HDPS: PS stratified with a 180-day post-delivery enrollment requirement				
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Frequent	3.262520684
HCPCS	J1956	Injection Levofloxacin 250 Mg	Any	2.892761948
ICDDX09	6466	Infections Of Genitourinary Tract In Pregnancy	Frequent	2.704918996
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Often	2.639441066
HCPCS	J0696	Injection Ceftriaxone Sodium Per 250 Mg	Any	2.183009514
ICDDX10	O219	Vomiting Of Pregnancy Unspecified	Frequent	2.131118573
ICDDX10	O234	Unspecified Infection Urinary Tract In Pregnancy	Any	2.081468664
ICDDX10	O210	Mild Hyperemesis Gravidarum	Frequent	1.988017729
HCPCS	J0694	Injection Cefoxitin Sodium 1 G	Any	1.876226323
HCPCS	S4042	Management Of Ovulation Induction Per Cycle	Any	1.809534948
HCPCS	S1015	Iv Tubing Extension Set	Any	1.774443629
ICDDX10	O210	Mild Hyperemesis Gravidarum	Often	1.708846346
ICDDX09	7391	Nonallopathic Lesion Of Cervical Region Nec	Frequent	1.620292949
HCPCS	S9351	Home Infusion Therapy Cont Anti-Emetic; Per Diem	Any	1.620292949
DRUGCLASS		Beta Blockers Non-Cardiac Selective, All	Often	1.620292949
HCPCS	A4649	Surgical Supply; Miscellaneous	Any	1.59923954
HCPCS	S4015	Cmpl In Vitro Fertilization Cycle Case Rate Nos	Any	1.577733334
HCPCS	J0690	Injection Cefazolin Sodium 500 Mg	Any	1.562083563
ICDDX09	6466	Infections Of Genitourinary Tract In Pregnancy	Often	1.560189025
ICDPX10	0DB64Z3	Excision Stomach Perq Endo Approach Vertical	Any	1.557760881
ICDPX10	0DJD8ZZ	Inspection Low Intest Tract Nat/Art Opening Endo	Any	1.557760881
ICDPX10	0F798DZ	Dilation Comn Bile Duct Int Devc Nat/Art Op Endo	Any	1.557760881
ICDPX10	10D07Z6	Extraction Poc Vacuum Via Natural/Artif Opening	Any	1.557760881
ICDPX09	8051	Excision Of Intervertebral Disc	Any	1.557760881
ICDPX09	8876	Diagnostic Ultrasound Of Abdomen&retroperitoneum	Any	1.557760881

¹Variables are ranked based on their relationship with the exposure.

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (May 19, 2021)

DP ID	Start Date ¹	End Date ¹
DP01	10/1/2015	3/31/2019

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

Appendix B. List of International Classification of Diseases, 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), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Live Birth Delivery

Code	Description	Code Type	Code Category
Live Birth Delivery			
0W8NXZZ	Division of Female Perineum, External Approach	ICD-10-PCS	Procedure
10900ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Open Approach	ICD-10-PCS	Procedure
10903ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Approach	ICD-10-PCS	Procedure
10904ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
10907ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10908ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening Endoscopic	ICD-10-PCS	Procedure
10D00Z0	Extraction of Products of Conception, Classical, Open Approach	ICD-10-PCS	Procedure
10D00Z1	Extraction of Products of Conception, Low Cervical, Open Approach	ICD-10-PCS	Procedure
10D00Z2	Extraction of Products of Conception, Extraperitoneal, Open Approach	ICD-10-PCS	Procedure
10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
10E0XZZ	Delivery of Products of Conception, External Approach	ICD-10-PCS	Procedure
10S07ZZ	Reposition Products of Conception, Via Natural or Artificial Opening	ICD-10-PCS	Procedure
O1002	Pre-existing essential hypertension complicating childbirth	ICD-10-CM	Diagnosis
O1012	Pre-existing hypertensive heart disease complicating childbirth	ICD-10-CM	Diagnosis
O1022	Pre-existing hypertensive chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O1032	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O1042	Pre-existing secondary hypertension complicating childbirth	ICD-10-CM	Diagnosis
O1092	Unspecified pre-existing hypertension complicating childbirth	ICD-10-CM	Diagnosis
O114	Pre-existing hypertension with pre-eclampsia, complicating childbirth	ICD-10-CM	Diagnosis
O1204	Gestational edema, complicating childbirth	ICD-10-CM	Diagnosis
O1214	Gestational proteinuria, complicating childbirth	ICD-10-CM	Diagnosis
O1224	Gestational edema with proteinuria, complicating childbirth	ICD-10-CM	Diagnosis
O134	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth	ICD-10-CM	Diagnosis
O1404	Mild to moderate pre-eclampsia, complicating childbirth	ICD-10-CM	Diagnosis
O1414	Severe pre-eclampsia complicating childbirth	ICD-10-CM	Diagnosis
O1424	HELLP syndrome, complicating childbirth	ICD-10-CM	Diagnosis
O1494	Unspecified pre-eclampsia, complicating childbirth	ICD-10-CM	Diagnosis
O164	Unspecified maternal hypertension, complicating childbirth	ICD-10-CM	Diagnosis

Appendix B. 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), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Live Birth Delivery

Code	Description	Code Type	Code Category
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O2432	Unspecified pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24420	Gestational diabetes mellitus in childbirth, diet controlled	ICD-10-CM	Diagnosis
O24424	Gestational diabetes mellitus in childbirth, insulin controlled	ICD-10-CM	Diagnosis
O24425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	ICD-10-CM	Diagnosis
O24429	Gestational diabetes mellitus in childbirth, unspecified control	ICD-10-CM	Diagnosis
O2482	Other pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O2492	Unspecified diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O252	Malnutrition in childbirth	ICD-10-CM	Diagnosis
O2662	Liver and biliary tract disorders in childbirth	ICD-10-CM	Diagnosis
O2672	Subluxation of symphysis (pubis) in childbirth	ICD-10-CM	Diagnosis
O6012X0	Preterm labor second trimester with preterm delivery second trimester, not applicable or unspecified	ICD-10-CM	Diagnosis
O6012X1	Preterm labor second trimester with preterm delivery second trimester, fetus 1	ICD-10-CM	Diagnosis
O6012X2	Preterm labor second trimester with preterm delivery second trimester, fetus 2	ICD-10-CM	Diagnosis
O6012X3	Preterm labor second trimester with preterm delivery second trimester, fetus 3	ICD-10-CM	Diagnosis
O6012X4	Preterm labor second trimester with preterm delivery second trimester, fetus 4	ICD-10-CM	Diagnosis
O6012X5	Preterm labor second trimester with preterm delivery second trimester, fetus 5	ICD-10-CM	Diagnosis
O6012X9	Preterm labor second trimester with preterm delivery second trimester, other fetus	ICD-10-CM	Diagnosis
O6013X0	Preterm labor second trimester with preterm delivery third trimester, not applicable or unspecified	ICD-10-CM	Diagnosis
O6013X1	Preterm labor second trimester with preterm delivery third trimester, fetus 1	ICD-10-CM	Diagnosis
O6013X2	Preterm labor second trimester with preterm delivery third trimester, fetus 2	ICD-10-CM	Diagnosis
O6013X3	Preterm labor second trimester with preterm delivery third trimester, fetus 3	ICD-10-CM	Diagnosis
O6013X4	Preterm labor second trimester with preterm delivery third trimester, fetus 4	ICD-10-CM	Diagnosis
O6013X5	Preterm labor second trimester with preterm delivery third trimester, fetus 5	ICD-10-CM	Diagnosis
O6013X9	Preterm labor second trimester with preterm delivery third trimester, other fetus	ICD-10-CM	Diagnosis
O6014X0	Preterm labor third trimester with preterm delivery third trimester, not applicable or unspecified	ICD-10-CM	Diagnosis
O6014X1	Preterm labor third trimester with preterm delivery third trimester, fetus 1	ICD-10-CM	Diagnosis
O6014X2	Preterm labor third trimester with preterm delivery third trimester, fetus 2	ICD-10-CM	Diagnosis
O6014X3	Preterm labor third trimester with preterm delivery third trimester, fetus 3	ICD-10-CM	Diagnosis
O6014X4	Preterm labor third trimester with preterm delivery third trimester, fetus 4	ICD-10-CM	Diagnosis
O6014X5	Preterm labor third trimester with preterm delivery third trimester, fetus 5	ICD-10-CM	Diagnosis
O6014X9	Preterm labor third trimester with preterm delivery third trimester, other fetus	ICD-10-CM	Diagnosis
O6022X0	Term delivery with preterm labor, second trimester, not applicable or unspecified	ICD-10-CM	Diagnosis
O6022X1	Term delivery with preterm labor, second trimester, fetus 1	ICD-10-CM	Diagnosis
O6022X2	Term delivery with preterm labor, second trimester, fetus 2	ICD-10-CM	Diagnosis
O6022X3	Term delivery with preterm labor, second trimester, fetus 3	ICD-10-CM	Diagnosis
O6022X4	Term delivery with preterm labor, second trimester, fetus 4	ICD-10-CM	Diagnosis
O6022X5	Term delivery with preterm labor, second trimester, fetus 5	ICD-10-CM	Diagnosis

Appendix B. 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), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Live Birth Delivery

Code	Description	Code Type	Code Category
O6022X9	Term delivery with preterm labor, second trimester, other fetus	ICD-10-CM	Diagnosis
O6023X0	Term delivery with preterm labor, third trimester, not applicable or unspecified	ICD-10-CM	Diagnosis
O6023X1	Term delivery with preterm labor, third trimester, fetus 1	ICD-10-CM	Diagnosis
O6023X2	Term delivery with preterm labor, third trimester, fetus 2	ICD-10-CM	Diagnosis
O6023X3	Term delivery with preterm labor, third trimester, fetus 3	ICD-10-CM	Diagnosis
O6023X4	Term delivery with preterm labor, third trimester, fetus 4	ICD-10-CM	Diagnosis
O6023X5	Term delivery with preterm labor, third trimester, fetus 5	ICD-10-CM	Diagnosis
O6023X9	Term delivery with preterm labor, third trimester, other fetus	ICD-10-CM	Diagnosis
O632	Delayed delivery of second twin, triplet, etc	ICD-10-CM	Diagnosis
O670	Intrapartum hemorrhage with coagulation defect	ICD-10-CM	Diagnosis
O678	Other intrapartum hemorrhage	ICD-10-CM	Diagnosis
O679	Intrapartum hemorrhage, unspecified	ICD-10-CM	Diagnosis
O68	Labor and delivery complicated by abnormality of fetal acid-base balance	ICD-10-CM	Diagnosis
O690XX0	Labor and delivery complicated by prolapse of cord, not applicable or unspecified	ICD-10-CM	Diagnosis
O690XX1	Labor and delivery complicated by prolapse of cord, fetus 1	ICD-10-CM	Diagnosis
O690XX2	Labor and delivery complicated by prolapse of cord, fetus 2	ICD-10-CM	Diagnosis
O690XX3	Labor and delivery complicated by prolapse of cord, fetus 3	ICD-10-CM	Diagnosis
O690XX4	Labor and delivery complicated by prolapse of cord, fetus 4	ICD-10-CM	Diagnosis
O690XX5	Labor and delivery complicated by prolapse of cord, fetus 5	ICD-10-CM	Diagnosis
O690XX9	Labor and delivery complicated by prolapse of cord, other fetus	ICD-10-CM	Diagnosis
O691XX0	Labor and delivery complicated by cord around neck, with compression, not applicable or unspecified	ICD-10-CM	Diagnosis
O691XX1	Labor and delivery complicated by cord around neck, with compression, fetus 1	ICD-10-CM	Diagnosis
O691XX2	Labor and delivery complicated by cord around neck, with compression, fetus 2	ICD-10-CM	Diagnosis
O691XX3	Labor and delivery complicated by cord around neck, with compression, fetus 3	ICD-10-CM	Diagnosis
O691XX4	Labor and delivery complicated by cord around neck, with compression, fetus 4	ICD-10-CM	Diagnosis
O691XX5	Labor and delivery complicated by cord around neck, with compression, fetus 5	ICD-10-CM	Diagnosis
O691XX9	Labor and delivery complicated by cord around neck, with compression, other fetus	ICD-10-CM	Diagnosis
O692XX0	Labor and delivery complicated by other cord entanglement, with compression, not applicable or unspecified	ICD-10-CM	Diagnosis
O692XX1	Labor and delivery complicated by other cord entanglement, with compression, fetus 1	ICD-10-CM	Diagnosis
O692XX2	Labor and delivery complicated by other cord entanglement, with compression, fetus 2	ICD-10-CM	Diagnosis
O692XX3	Labor and delivery complicated by other cord entanglement, with compression, fetus 3	ICD-10-CM	Diagnosis
O692XX4	Labor and delivery complicated by other cord entanglement, with compression, fetus 4	ICD-10-CM	Diagnosis
O692XX5	Labor and delivery complicated by other cord entanglement, with compression, fetus 5	ICD-10-CM	Diagnosis
O692XX9	Labor and delivery complicated by other cord entanglement, with compression, other fetus	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
O693XX0	Labor and delivery complicated by short cord, not applicable or unspecified	ICD-10-CM	Diagnosis
O693XX1	Labor and delivery complicated by short cord, fetus 1	ICD-10-CM	Diagnosis
O693XX2	Labor and delivery complicated by short cord, fetus 2	ICD-10-CM	Diagnosis
O693XX3	Labor and delivery complicated by short cord, fetus 3	ICD-10-CM	Diagnosis
O693XX4	Labor and delivery complicated by short cord, fetus 4	ICD-10-CM	Diagnosis
O693XX5	Labor and delivery complicated by short cord, fetus 5	ICD-10-CM	Diagnosis
O693XX9	Labor and delivery complicated by short cord, other fetus	ICD-10-CM	Diagnosis
O694XX0	Labor and delivery complicated by vasa previa, not applicable or unspecified	ICD-10-CM	Diagnosis
O694XX1	Labor and delivery complicated by vasa previa, fetus 1	ICD-10-CM	Diagnosis
O694XX2	Labor and delivery complicated by vasa previa, fetus 2	ICD-10-CM	Diagnosis
O694XX3	Labor and delivery complicated by vasa previa, fetus 3	ICD-10-CM	Diagnosis
O694XX4	Labor and delivery complicated by vasa previa, fetus 4	ICD-10-CM	Diagnosis
O694XX5	Labor and delivery complicated by vasa previa, fetus 5	ICD-10-CM	Diagnosis
O694XX9	Labor and delivery complicated by vasa previa, other fetus	ICD-10-CM	Diagnosis
O695XX0	Labor and delivery complicated by vascular lesion of cord, not applicable or unspecified	ICD-10-CM	Diagnosis
O695XX1	Labor and delivery complicated by vascular lesion of cord, fetus 1	ICD-10-CM	Diagnosis
O695XX2	Labor and delivery complicated by vascular lesion of cord, fetus 2	ICD-10-CM	Diagnosis
O695XX3	Labor and delivery complicated by vascular lesion of cord, fetus 3	ICD-10-CM	Diagnosis
O695XX4	Labor and delivery complicated by vascular lesion of cord, fetus 4	ICD-10-CM	Diagnosis
O695XX5	Labor and delivery complicated by vascular lesion of cord, fetus 5	ICD-10-CM	Diagnosis
O695XX9	Labor and delivery complicated by vascular lesion of cord, other fetus	ICD-10-CM	Diagnosis
O6981X0	Labor and delivery complicated by cord around neck, without compression, not applicable or unspecified	ICD-10-CM	Diagnosis
O6981X1	Labor and delivery complicated by cord around neck, without compression, fetus 1	ICD-10-CM	Diagnosis
O6981X2	Labor and delivery complicated by cord around neck, without compression, fetus 2	ICD-10-CM	Diagnosis
O6981X3	Labor and delivery complicated by cord around neck, without compression, fetus 3	ICD-10-CM	Diagnosis
O6981X4	Labor and delivery complicated by cord around neck, without compression, fetus 4	ICD-10-CM	Diagnosis
O6981X5	Labor and delivery complicated by cord around neck, without compression, fetus 5	ICD-10-CM	Diagnosis
O6981X9	Labor and delivery complicated by cord around neck, without compression, other fetus	ICD-10-CM	Diagnosis
O6982X0	Labor and delivery complicated by other cord entanglement, without compression, not applicable or unspecified	ICD-10-CM	Diagnosis
O6982X1	Labor and delivery complicated by other cord entanglement, without compression, fetus 1	ICD-10-CM	Diagnosis
O6982X2	Labor and delivery complicated by other cord entanglement, without compression, fetus 2	ICD-10-CM	Diagnosis
O6982X3	Labor and delivery complicated by other cord entanglement, without compression, fetus 3	ICD-10-CM	Diagnosis
O6982X4	Labor and delivery complicated by other cord entanglement, without compression, fetus 4	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
O6982X5	Labor and delivery complicated by other cord entanglement, without compression, fetus 5	ICD-10-CM	Diagnosis
O6982X9	Labor and delivery complicated by other cord entanglement, without compression, other fetus	ICD-10-CM	Diagnosis
O6989X0	Labor and delivery complicated by other cord complications, not applicable or unspecified	ICD-10-CM	Diagnosis
O6989X1	Labor and delivery complicated by other cord complications, fetus 1	ICD-10-CM	Diagnosis
O6989X2	Labor and delivery complicated by other cord complications, fetus 2	ICD-10-CM	Diagnosis
O6989X3	Labor and delivery complicated by other cord complications, fetus 3	ICD-10-CM	Diagnosis
O6989X4	Labor and delivery complicated by other cord complications, fetus 4	ICD-10-CM	Diagnosis
O6989X5	Labor and delivery complicated by other cord complications, fetus 5	ICD-10-CM	Diagnosis
O6989X9	Labor and delivery complicated by other cord complications, other fetus	ICD-10-CM	Diagnosis
O699XX0	Labor and delivery complicated by cord complication, unspecified, not applicable or unspecified	ICD-10-CM	Diagnosis
O699XX1	Labor and delivery complicated by cord complication, unspecified, fetus 1	ICD-10-CM	Diagnosis
O699XX2	Labor and delivery complicated by cord complication, unspecified, fetus 2	ICD-10-CM	Diagnosis
O699XX3	Labor and delivery complicated by cord complication, unspecified, fetus 3	ICD-10-CM	Diagnosis
O699XX4	Labor and delivery complicated by cord complication, unspecified, fetus 4	ICD-10-CM	Diagnosis
O699XX5	Labor and delivery complicated by cord complication, unspecified, fetus 5	ICD-10-CM	Diagnosis
O699XX9	Labor and delivery complicated by cord complication, unspecified, other fetus	ICD-10-CM	Diagnosis
O700	First degree perineal laceration during delivery	ICD-10-CM	Diagnosis
O701	Second degree perineal laceration during delivery	ICD-10-CM	Diagnosis
O7020	Third degree perineal laceration during delivery, unspecified	ICD-10-CM	Diagnosis
O7021	Third degree perineal laceration during delivery, IIIa	ICD-10-CM	Diagnosis
O7022	Third degree perineal laceration during delivery, IIIb	ICD-10-CM	Diagnosis
O7023	Third degree perineal laceration during delivery, IIIc	ICD-10-CM	Diagnosis
O703	Fourth degree perineal laceration during delivery	ICD-10-CM	Diagnosis
O704	Anal sphincter tear complicating delivery, not associated with third degree laceration	ICD-10-CM	Diagnosis
O709	Perineal laceration during delivery, unspecified	ICD-10-CM	Diagnosis
O740	Aspiration pneumonitis due to anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O741	Other pulmonary complications of anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O742	Cardiac complications of anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O743	Central nervous system complications of anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O744	Toxic reaction to local anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O745	Spinal and epidural anesthesia-induced headache during labor and delivery	ICD-10-CM	Diagnosis
O746	Other complications of spinal and epidural anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O747	Failed or difficult intubation for anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O748	Other complications of anesthesia during labor and delivery	ICD-10-CM	Diagnosis
O749	Complication of anesthesia during labor and delivery, unspecified	ICD-10-CM	Diagnosis
O750	Maternal distress during labor and delivery	ICD-10-CM	Diagnosis
O751	Shock during or following labor and delivery	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
O755	Delayed delivery after artificial rupture of membranes	ICD-10-CM	Diagnosis
O7581	Maternal exhaustion complicating labor and delivery	ICD-10-CM	Diagnosis
O7582	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section	ICD-10-CM	Diagnosis
O7589	Other specified complications of labor and delivery	ICD-10-CM	Diagnosis
O759	Complication of labor and delivery, unspecified	ICD-10-CM	Diagnosis
O76	Abnormality in fetal heart rate and rhythm complicating labor and delivery	ICD-10-CM	Diagnosis
O770	Labor and delivery complicated by meconium in amniotic fluid	ICD-10-CM	Diagnosis
O778	Labor and delivery complicated by other evidence of fetal stress	ICD-10-CM	Diagnosis
O779	Labor and delivery complicated by fetal stress, unspecified	ICD-10-CM	Diagnosis
O80	Encounter for full-term uncomplicated delivery	ICD-10-CM	Diagnosis
O82	Encounter for cesarean delivery without indication	ICD-10-CM	Diagnosis
O8802	Air embolism in childbirth	ICD-10-CM	Diagnosis
O8812	Amniotic fluid embolism in childbirth	ICD-10-CM	Diagnosis
O8822	Thromboembolism in childbirth	ICD-10-CM	Diagnosis
O8832	Pyemic and septic embolism in childbirth	ICD-10-CM	Diagnosis
O8882	Other embolism in childbirth	ICD-10-CM	Diagnosis
O9802	Tuberculosis complicating childbirth	ICD-10-CM	Diagnosis
O9812	Syphilis complicating childbirth	ICD-10-CM	Diagnosis
O9822	Gonorrhea complicating childbirth	ICD-10-CM	Diagnosis
O9832	Other infections with a predominantly sexual mode of transmission complicating childbirth	ICD-10-CM	Diagnosis
O9842	Viral hepatitis complicating childbirth	ICD-10-CM	Diagnosis
O9852	Other viral diseases complicating childbirth	ICD-10-CM	Diagnosis
O9862	Protozoal diseases complicating childbirth	ICD-10-CM	Diagnosis
O9872	Human immunodeficiency virus [HIV] disease complicating childbirth	ICD-10-CM	Diagnosis
O9882	Other maternal infectious and parasitic diseases complicating childbirth	ICD-10-CM	Diagnosis
O9892	Unspecified maternal infectious and parasitic disease complicating childbirth	ICD-10-CM	Diagnosis
O9902	Anemia complicating childbirth	ICD-10-CM	Diagnosis
O9912	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating childbirth	ICD-10-CM	Diagnosis
O99214	Obesity complicating childbirth	ICD-10-CM	Diagnosis
O99284	Endocrine, nutritional and metabolic diseases complicating childbirth	ICD-10-CM	Diagnosis
O99314	Alcohol use complicating childbirth	ICD-10-CM	Diagnosis
O99324	Drug use complicating childbirth	ICD-10-CM	Diagnosis
O99334	Smoking (tobacco) complicating childbirth	ICD-10-CM	Diagnosis
O99344	Other mental disorders complicating childbirth	ICD-10-CM	Diagnosis
O99354	Diseases of the nervous system complicating childbirth	ICD-10-CM	Diagnosis
O9942	Diseases of the circulatory system complicating childbirth	ICD-10-CM	Diagnosis
O9952	Diseases of the respiratory system complicating childbirth	ICD-10-CM	Diagnosis
O9962	Diseases of the digestive system complicating childbirth	ICD-10-CM	Diagnosis
O9972	Diseases of the skin and subcutaneous tissue complicating childbirth	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
O99814	Abnormal glucose complicating childbirth	ICD-10-CM	Diagnosis
O99824	Streptococcus B carrier state complicating childbirth	ICD-10-CM	Diagnosis
O99834	Other infection carrier state complicating childbirth	ICD-10-CM	Diagnosis
O99844	Bariatric surgery status complicating childbirth	ICD-10-CM	Diagnosis
O9A12	Malignant neoplasm complicating childbirth	ICD-10-CM	Diagnosis
O9A22	Injury, poisoning and certain other consequences of external causes complicating childbirth	ICD-10-CM	Diagnosis
O9A32	Physical abuse complicating childbirth	ICD-10-CM	Diagnosis
O9A42	Sexual abuse complicating childbirth	ICD-10-CM	Diagnosis
O9A52	Psychological abuse complicating childbirth	ICD-10-CM	Diagnosis
P030	Newborn affected by breech delivery and extraction	ICD-10-CM	Diagnosis
P032	Newborn affected by forceps delivery	ICD-10-CM	Diagnosis
P033	Newborn affected by delivery by vacuum extractor [ventouse]	ICD-10-CM	Diagnosis
P034	Newborn affected by Cesarean delivery	ICD-10-CM	Diagnosis
P035	Newborn affected by precipitate delivery	ICD-10-CM	Diagnosis
P0700	Extremely low birth weight newborn, unspecified weight	ICD-10-CM	Diagnosis
P0701	Extremely low birth weight newborn, less than 500 grams	ICD-10-CM	Diagnosis
P0702	Extremely low birth weight newborn, 500-749 grams	ICD-10-CM	Diagnosis
P0703	Extremely low birth weight newborn, 750-999 grams	ICD-10-CM	Diagnosis
P0710	Other low birth weight newborn, unspecified weight	ICD-10-CM	Diagnosis
P0714	Other low birth weight newborn, 1000-1249 grams	ICD-10-CM	Diagnosis
P0715	Other low birth weight newborn, 1250-1499 grams	ICD-10-CM	Diagnosis
P0716	Other low birth weight newborn, 1500-1749 grams	ICD-10-CM	Diagnosis
P0717	Other low birth weight newborn, 1750-1999 grams	ICD-10-CM	Diagnosis
P0718	Other low birth weight newborn, 2000-2499 grams	ICD-10-CM	Diagnosis
P0720	Extreme immaturity of newborn, unspecified weeks of gestation	ICD-10-CM	Diagnosis
P0721	Extreme immaturity of newborn, gestational age less than 23 completed weeks	ICD-10-CM	Diagnosis
P0722	Extreme immaturity of newborn, gestational age 23 completed weeks	ICD-10-CM	Diagnosis
P0723	Extreme immaturity of newborn, gestational age 24 completed weeks	ICD-10-CM	Diagnosis
P0724	Extreme immaturity of newborn, gestational age 25 completed weeks	ICD-10-CM	Diagnosis
P0725	Extreme immaturity of newborn, gestational age 26 completed weeks	ICD-10-CM	Diagnosis
P0726	Extreme immaturity of newborn, gestational age 27 completed weeks	ICD-10-CM	Diagnosis
P0730	Preterm newborn, unspecified weeks of gestation	ICD-10-CM	Diagnosis
P0731	Preterm newborn, gestational age 28 completed weeks	ICD-10-CM	Diagnosis
P0732	Preterm newborn, gestational age 29 completed weeks	ICD-10-CM	Diagnosis
P0733	Preterm newborn, gestational age 30 completed weeks	ICD-10-CM	Diagnosis
P0734	Preterm newborn, gestational age 31 completed weeks	ICD-10-CM	Diagnosis
P0735	Preterm newborn, gestational age 32 completed weeks	ICD-10-CM	Diagnosis
P0736	Preterm newborn, gestational age 33 completed weeks	ICD-10-CM	Diagnosis
P0737	Preterm newborn, gestational age 34 completed weeks	ICD-10-CM	Diagnosis
P0738	Preterm newborn, gestational age 35 completed weeks	ICD-10-CM	Diagnosis
P0739	Preterm newborn, gestational age 36 completed weeks	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
P0821	Post-term newborn	ICD-10-CM	Diagnosis
P0822	Prolonged gestation of newborn	ICD-10-CM	Diagnosis
Z370	Single live birth	ICD-10-CM	Diagnosis
Z372	Twins, both liveborn	ICD-10-CM	Diagnosis
Z373	Twins, one liveborn and one stillborn	ICD-10-CM	Diagnosis
Z3750	Multiple births, unspecified, all liveborn	ICD-10-CM	Diagnosis
Z3751	Triplets, all liveborn	ICD-10-CM	Diagnosis
Z3752	Quadruplets, all liveborn	ICD-10-CM	Diagnosis
Z3753	Quintuplets, all liveborn	ICD-10-CM	Diagnosis
Z3754	Sextuplets, all liveborn	ICD-10-CM	Diagnosis
Z3759	Other multiple births, all liveborn	ICD-10-CM	Diagnosis
Z3760	Multiple births, unspecified, some liveborn	ICD-10-CM	Diagnosis
Z3761	Triplets, some liveborn	ICD-10-CM	Diagnosis
Z3762	Quadruplets, some liveborn	ICD-10-CM	Diagnosis
Z3763	Quintuplets, some liveborn	ICD-10-CM	Diagnosis
Z3764	Sextuplets, some liveborn	ICD-10-CM	Diagnosis
Z3769	Other multiple births, some liveborn	ICD-10-CM	Diagnosis
Z379	Outcome of delivery, unspecified	ICD-10-CM	Diagnosis
Z3800	Single liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3801	Single liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z381	Single liveborn infant, born outside hospital	ICD-10-CM	Diagnosis
Z382	Single liveborn infant, unspecified as to place of birth	ICD-10-CM	Diagnosis
Z3830	Twin liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3831	Twin liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z384	Twin liveborn infant, born outside hospital	ICD-10-CM	Diagnosis
Z385	Twin liveborn infant, unspecified as to place of birth	ICD-10-CM	Diagnosis
Z3861	Triplet liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3862	Triplet liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z3863	Quadruplet liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3864	Quadruplet liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z3865	Quintuplet liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3866	Quintuplet liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z3868	Other multiple liveborn infant, delivered vaginally	ICD-10-CM	Diagnosis
Z3869	Other multiple liveborn infant, delivered by cesarean	ICD-10-CM	Diagnosis
Z387	Other multiple liveborn infant, born outside hospital	ICD-10-CM	Diagnosis
Z388	Other multiple liveborn infant, unspecified as to place of birth	ICD-10-CM	Diagnosis
59400	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care	CPT-4	Procedure
59409	Vaginal delivery only (with or without episiotomy and/or forceps);	CPT-4	Procedure
59410	Vaginal delivery only (with or without episiotomy and/or forceps); including postpartum care	CPT-4	Procedure

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Code	Description	Code Type	Code Category
59510	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care	CPT-4	Procedure
59514	Cesarean delivery only;	CPT-4	Procedure
59515	Cesarean delivery only; including postpartum care	CPT-4	Procedure
59610	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care, after previous cesarean delivery	CPT-4	Procedure
59612	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps);	CPT-4	Procedure
59614	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps); including postpartum care	CPT-4	Procedure
59618	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care, following attempted vaginal delivery after previous cesarean delivery	CPT-4	Procedure
59620	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery;	CPT-4	Procedure
59622	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery; including postpartum care	CPT-4	Procedure
650	Normal delivery	ICD-9-CM	Diagnosis
7630	Fetus or newborn affected by breech delivery and extraction	ICD-9-CM	Diagnosis
7632	Fetus or newborn affected by forceps delivery	ICD-9-CM	Diagnosis
7633	Fetus or newborn affected by delivery by vacuum extractor	ICD-9-CM	Diagnosis
7634	Fetus or newborn affected by cesarean delivery	ICD-9-CM	Diagnosis
7636	Fetus or newborn affected by precipitate delivery	ICD-9-CM	Diagnosis
7680	Fetal death from asphyxia or anoxia before onset of labor or at unspecified time	ICD-9-CM	Diagnosis
7681	Fetal death from asphyxia or anoxia during labor	ICD-9-CM	Diagnosis
64101	Placenta previa without hemorrhage, with delivery	ICD-9-CM	Diagnosis
64111	Hemorrhage from placenta previa, with delivery	ICD-9-CM	Diagnosis
64121	Premature separation of placenta, with delivery	ICD-9-CM	Diagnosis
64131	Antepartum hemorrhage associated with coagulation defects, with delivery	ICD-9-CM	Diagnosis
64181	Other antepartum hemorrhage, with delivery	ICD-9-CM	Diagnosis
64191	Unspecified antepartum hemorrhage, with delivery	ICD-9-CM	Diagnosis
64201	Benign essential hypertension with delivery	ICD-9-CM	Diagnosis
64202	Benign essential hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64211	Hypertension secondary to renal disease, with delivery	ICD-9-CM	Diagnosis
64212	Hypertension secondary to renal disease, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64221	Other pre-existing hypertension, with delivery	ICD-9-CM	Diagnosis
64222	Other pre-existing hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64231	Transient hypertension of pregnancy, with delivery	ICD-9-CM	Diagnosis
64232	Transient hypertension of pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
64241	Mild or unspecified pre-eclampsia, with delivery	ICD-9-CM	Diagnosis
64242	Mild or unspecified pre-eclampsia, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64251	Severe pre-eclampsia, with delivery	ICD-9-CM	Diagnosis
64252	Severe pre-eclampsia, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64261	Eclampsia, with delivery	ICD-9-CM	Diagnosis
64262	Eclampsia, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64271	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery	ICD-9-CM	Diagnosis
64272	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64291	Unspecified hypertension, with delivery	ICD-9-CM	Diagnosis
64292	Unspecified hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64301	Mild hyperemesis gravidarum, delivered	ICD-9-CM	Diagnosis
64311	Hyperemesis gravidarum with metabolic disturbance, delivered	ICD-9-CM	Diagnosis
64321	Late vomiting of pregnancy, delivered	ICD-9-CM	Diagnosis
64381	Other vomiting complicating pregnancy, delivered	ICD-9-CM	Diagnosis
64391	Unspecified vomiting of pregnancy, delivered	ICD-9-CM	Diagnosis
64421	Early onset of delivery, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64501	Prolonged pregnancy, with delivery	ICD-9-CM	Diagnosis
64511	Post term pregnancy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64521	Prolonged pregnancy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64523	Prolonged pregnancy, antepartum condition or complication	ICD-9-CM	Diagnosis
64601	Papyraceous fetus, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64611	Edema or excessive weight gain in pregnancy, with delivery, with or without mention of antepartum complication	ICD-9-CM	Diagnosis
64612	Edema or excessive weight gain in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64621	Unspecified renal disease in pregnancy, with delivery	ICD-9-CM	Diagnosis
64622	Unspecified renal disease in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64631	Pregnancy complication, recurrent pregnancy loss, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64641	Peripheral neuritis in pregnancy, with delivery	ICD-9-CM	Diagnosis
64642	Peripheral neuritis in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64651	Asymptomatic bacteriuria in pregnancy, with delivery	ICD-9-CM	Diagnosis
64652	Asymptomatic bacteriuria in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64661	Infections of genitourinary tract in pregnancy, with delivery	ICD-9-CM	Diagnosis
64662	Infections of genitourinary tract in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
64671	Liver and biliary tract disorders in pregnancy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64681	Other specified complication of pregnancy, with delivery	ICD-9-CM	Diagnosis
64682	Other specified complications of pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64691	Unspecified complication of pregnancy, with delivery	ICD-9-CM	Diagnosis
64701	Maternal syphilis, complicating pregnancy, with delivery	ICD-9-CM	Diagnosis
64702	Maternal syphilis, complicating pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64711	Maternal gonorrhoea with delivery	ICD-9-CM	Diagnosis
64712	Maternal gonorrhoea, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64721	Other maternal venereal diseases with delivery	ICD-9-CM	Diagnosis
64722	Other maternal venereal diseases with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64731	Maternal tuberculosis with delivery	ICD-9-CM	Diagnosis
64732	Maternal tuberculosis with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64741	Maternal malaria with delivery	ICD-9-CM	Diagnosis
64742	Maternal malaria with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64751	Maternal rubella with delivery	ICD-9-CM	Diagnosis
64752	Maternal rubella with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64761	Other maternal viral disease with delivery	ICD-9-CM	Diagnosis
64762	Other maternal viral disease with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64781	Other specified maternal infectious and parasitic disease with delivery	ICD-9-CM	Diagnosis
64782	Other specified maternal infectious and parasitic disease with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64791	Unspecified maternal infection or infestation with delivery	ICD-9-CM	Diagnosis
64792	Unspecified maternal infection or infestation with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64801	Maternal diabetes mellitus with delivery	ICD-9-CM	Diagnosis
64802	Maternal diabetes mellitus with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64811	Maternal thyroid dysfunction with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64812	Maternal thyroid dysfunction with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64821	Maternal anemia, with delivery	ICD-9-CM	Diagnosis
64822	Maternal anemia with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64831	Maternal drug dependence, with delivery	ICD-9-CM	Diagnosis
64832	Maternal drug dependence, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64841	Maternal mental disorders, with delivery	ICD-9-CM	Diagnosis
64842	Maternal mental disorders, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64851	Maternal congenital cardiovascular disorders, with delivery	ICD-9-CM	Diagnosis
64852	Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
64861	Other maternal cardiovascular diseases, with delivery	ICD-9-CM	Diagnosis
64862	Other maternal cardiovascular diseases, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64871	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery	ICD-9-CM	Diagnosis
64872	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64881	Abnormal maternal glucose tolerance, with delivery	ICD-9-CM	Diagnosis
64882	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64891	Other current maternal conditions classifiable elsewhere, with delivery	ICD-9-CM	Diagnosis
64892	Other current maternal conditions classifiable elsewhere, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
64901	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64902	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64911	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64912	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64921	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64922	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64931	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64932	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64941	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64942	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64951	Spotting complicating pregnancy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64961	Uterine size date discrepancy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64962	Uterine size date discrepancy, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
64971	Cervical shortening, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
64981	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
64982	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65101	Twin pregnancy, delivered	ICD-9-CM	Diagnosis
65111	Triplet pregnancy, delivered	ICD-9-CM	Diagnosis
65121	Quadruplet pregnancy, delivered	ICD-9-CM	Diagnosis
65131	Twin pregnancy with fetal loss and retention of one fetus, delivered	ICD-9-CM	Diagnosis
65141	Triplet pregnancy with fetal loss and retention of one or more, delivered	ICD-9-CM	Diagnosis
65151	Quadruplet pregnancy with fetal loss and retention of one or more, delivered	ICD-9-CM	Diagnosis
65161	Other multiple pregnancy with fetal loss and retention of one or more fetus(es), delivered	ICD-9-CM	Diagnosis
65171	Multiple gestation following (elective) fetal reduction, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
65181	Other specified multiple gestation, delivered	ICD-9-CM	Diagnosis
65191	Unspecified multiple gestation, delivered	ICD-9-CM	Diagnosis
65201	Unstable lie of fetus, delivered	ICD-9-CM	Diagnosis
65211	Breech or other malpresentation successfully converted to cephalic presentation, delivered	ICD-9-CM	Diagnosis
65221	Breech presentation without mention of version, delivered	ICD-9-CM	Diagnosis
65231	Transverse or oblique fetal presentation, delivered	ICD-9-CM	Diagnosis
65241	Fetal face or brow presentation, delivered	ICD-9-CM	Diagnosis
65251	High fetal head at term, delivered	ICD-9-CM	Diagnosis
65261	Multiple gestation with malpresentation of one fetus or more, delivered	ICD-9-CM	Diagnosis
65271	Prolapsed arm of fetus, delivered	ICD-9-CM	Diagnosis
65281	Other specified malposition or malpresentation of fetus, delivered	ICD-9-CM	Diagnosis
65291	Unspecified malposition or malpresentation of fetus, delivered	ICD-9-CM	Diagnosis
65301	Major abnormality of bony pelvis, not further specified, delivered	ICD-9-CM	Diagnosis
65311	Generally contracted pelvis in pregnancy, delivered	ICD-9-CM	Diagnosis
65321	Inlet contraction of pelvis in pregnancy, delivered	ICD-9-CM	Diagnosis
65331	Outlet contraction of pelvis in pregnancy, delivered	ICD-9-CM	Diagnosis
65341	Fetopelvic disproportion, delivered	ICD-9-CM	Diagnosis
65351	Unusually large fetus causing disproportion, delivered	ICD-9-CM	Diagnosis
65361	Hydrocephalic fetus causing disproportion, delivered	ICD-9-CM	Diagnosis
65371	Other fetal abnormality causing disproportion, delivered	ICD-9-CM	Diagnosis
65381	Fetal disproportion of other origin, delivered	ICD-9-CM	Diagnosis
65391	Unspecified fetal disproportion, delivered	ICD-9-CM	Diagnosis
65401	Congenital abnormalities of pregnant uterus, delivered	ICD-9-CM	Diagnosis
65402	Congenital abnormalities of pregnant uterus, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65411	Tumors of body of uterus, delivered	ICD-9-CM	Diagnosis
65412	Tumors of body of uterus, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
65421	Previous cesarean delivery, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
65431	Retroverted and incarcerated gravid uterus, delivered	ICD-9-CM	Diagnosis
65432	Retroverted and incarcerated gravid uterus, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65441	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered	ICD-9-CM	Diagnosis
65442	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65451	Cervical incompetence, delivered	ICD-9-CM	Diagnosis
65452	Cervical incompetence, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65461	Other congenital or acquired abnormality of cervix, with delivery	ICD-9-CM	Diagnosis
65462	Other congenital or acquired abnormality of cervix, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65471	Congenital or acquired abnormality of vagina, with delivery	ICD-9-CM	Diagnosis
65472	Congenital or acquired abnormality of vagina, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65481	Congenital or acquired abnormality of vulva, with delivery	ICD-9-CM	Diagnosis
65482	Congenital or acquired abnormality of vulva, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65491	Other and unspecified abnormality of organs and soft tissues of pelvis, with delivery	ICD-9-CM	Diagnosis
65492	Other and unspecified abnormality of organs and soft tissues of pelvis, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
65501	Central nervous system malformation in fetus, with delivery	ICD-9-CM	Diagnosis
65511	Chromosomal abnormality in fetus, affecting management of mother, with delivery	ICD-9-CM	Diagnosis
65521	Hereditary disease in family possibly affecting fetus, affecting management of mother, with delivery	ICD-9-CM	Diagnosis
65531	Suspected damage to fetus from viral disease in mother, affecting management of mother, with delivery	ICD-9-CM	Diagnosis
65541	Suspected damage to fetus from other disease in mother, affecting management of mother, with delivery	ICD-9-CM	Diagnosis
65551	Suspected damage to fetus from drugs, affecting management of mother, delivered	ICD-9-CM	Diagnosis
65561	Suspected damage to fetus from radiation, affecting management of mother, delivered	ICD-9-CM	Diagnosis
65571	Decreased fetal movements, affecting management of mother, delivered	ICD-9-CM	Diagnosis
65581	Other known or suspected fetal abnormality, not elsewhere classified, affecting management of mother, delivery	ICD-9-CM	Diagnosis
65591	Unspecified fetal abnormality affecting management of mother, delivery	ICD-9-CM	Diagnosis
65601	Fetal-maternal hemorrhage, with delivery	ICD-9-CM	Diagnosis
65611	Rhesus isoimmunization affecting management of mother, delivered	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
65621	Isoimmunization from other and unspecified blood-group incompatibility, affecting management of mother, delivered	ICD-9-CM	Diagnosis
65631	Fetal distress affecting management of mother, delivered	ICD-9-CM	Diagnosis
65641	Intrauterine death affecting management of mother, delivered	ICD-9-CM	Diagnosis
65651	Poor fetal growth, affecting management of mother, delivered	ICD-9-CM	Diagnosis
65661	Excessive fetal growth affecting management of mother, delivered	ICD-9-CM	Diagnosis
65671	Other placental conditions affecting management of mother, delivered	ICD-9-CM	Diagnosis
65681	Other specified fetal and placental problems affecting management of mother, delivered	ICD-9-CM	Diagnosis
65691	Unspecified fetal and placental problem affecting management of mother, delivered	ICD-9-CM	Diagnosis
65701	Polyhydramnios, with delivery	ICD-9-CM	Diagnosis
65801	Oligohydramnios, delivered	ICD-9-CM	Diagnosis
65811	Premature rupture of membranes in pregnancy, delivered	ICD-9-CM	Diagnosis
65821	Delayed delivery after spontaneous or unspecified rupture of membranes, delivered	ICD-9-CM	Diagnosis
65831	Delayed delivery after artificial rupture of membranes, delivered	ICD-9-CM	Diagnosis
65841	Infection of amniotic cavity, delivered	ICD-9-CM	Diagnosis
65881	Other problem associated with amniotic cavity and membranes, delivered	ICD-9-CM	Diagnosis
65891	Unspecified problem associated with amniotic cavity and membranes, delivered	ICD-9-CM	Diagnosis
65901	Failed mechanical induction of labor, delivered	ICD-9-CM	Diagnosis
65911	Failed medical or unspecified induction of labor, delivered	ICD-9-CM	Diagnosis
65921	Unspecified maternal pyrexia during labor, delivered	ICD-9-CM	Diagnosis
65931	Generalized infection during labor, delivered	ICD-9-CM	Diagnosis
65941	Grand multiparity, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
65951	Elderly primigravida, delivered	ICD-9-CM	Diagnosis
65961	Elderly multigravida, delivered, with mention of antepartum condition	ICD-9-CM	Diagnosis
65971	Abnormality in fetal heart rate or rhythm, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
65981	Other specified indication for care or intervention related to labor and delivery, delivered	ICD-9-CM	Diagnosis
65991	Unspecified indication for care or intervention related to labor and delivery, delivered	ICD-9-CM	Diagnosis
66001	Obstruction caused by malposition of fetus at onset of labor, delivered	ICD-9-CM	Diagnosis
66011	Obstruction by bony pelvis during labor and delivery, delivered	ICD-9-CM	Diagnosis
66021	Obstruction by abnormal pelvic soft tissues during labor and delivery, delivered	ICD-9-CM	Diagnosis
66031	Deep transverse arrest and persistent occipitoposterior position during labor and deliver, delivered	ICD-9-CM	Diagnosis
66041	Shoulder (girdle) dystocia during labor and deliver, delivered	ICD-9-CM	Diagnosis
66051	Locked twins, delivered	ICD-9-CM	Diagnosis
66061	Unspecified failed trial of labor, delivered	ICD-9-CM	Diagnosis
66071	Unspecified failed forceps or vacuum extractor, delivered	ICD-9-CM	Diagnosis
66081	Other causes of obstructed labor, delivered	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
66091	Unspecified obstructed labor, with delivery	ICD-9-CM	Diagnosis
66101	Primary uterine inertia, with delivery	ICD-9-CM	Diagnosis
66111	Secondary uterine inertia, with delivery	ICD-9-CM	Diagnosis
66121	Other and unspecified uterine inertia, with delivery	ICD-9-CM	Diagnosis
66131	Precipitate labor, with delivery	ICD-9-CM	Diagnosis
66141	Hypertonic, incoordinate, or prolonged uterine contractions, with delivery	ICD-9-CM	Diagnosis
66191	Unspecified abnormality of labor, with delivery	ICD-9-CM	Diagnosis
66201	Prolonged first stage of labor, delivered	ICD-9-CM	Diagnosis
66211	Unspecified prolonged labor, delivered	ICD-9-CM	Diagnosis
66221	Prolonged second stage of labor, delivered	ICD-9-CM	Diagnosis
66231	Delayed delivery of second twin, triplet, etc., delivered	ICD-9-CM	Diagnosis
66301	Prolapse of cord, complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66311	Cord around neck, with compression, complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66321	Other and unspecified cord entanglement, with compression, complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66331	Other and unspecified cord entanglement, without mention of compression, complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66341	Short cord complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66351	Vasa previa complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66361	Vascular lesions of cord complicating labor and delivery, delivered	ICD-9-CM	Diagnosis
66381	Other umbilical cord complications during labor and delivery, delivered	ICD-9-CM	Diagnosis
66391	Unspecified umbilical cord complication during labor and delivery, delivered	ICD-9-CM	Diagnosis
66401	First-degree perineal laceration, with delivery	ICD-9-CM	Diagnosis
66411	Second-degree perineal laceration, with delivery	ICD-9-CM	Diagnosis
66421	Third-degree perineal laceration, with delivery	ICD-9-CM	Diagnosis
66431	Fourth-degree perineal laceration, with delivery	ICD-9-CM	Diagnosis
66441	Unspecified perineal laceration, with delivery	ICD-9-CM	Diagnosis
66451	Vulvar and perineal hematoma, with delivery	ICD-9-CM	Diagnosis
66461	Anal sphincter tear complicating delivery, not associated with third-degree perineal laceration, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66481	Other specified trauma to perineum and vulva, with delivery	ICD-9-CM	Diagnosis
66491	Unspecified trauma to perineum and vulva, with delivery	ICD-9-CM	Diagnosis
66501	Rupture of uterus before onset of labor, with delivery	ICD-9-CM	Diagnosis
66511	Rupture of uterus during labor, with delivery	ICD-9-CM	Diagnosis
66522	Inversion of uterus, delivered with postpartum complication	ICD-9-CM	Diagnosis
66531	Laceration of cervix, with delivery	ICD-9-CM	Diagnosis
66541	High vaginal laceration, with delivery	ICD-9-CM	Diagnosis
66551	Other injury to pelvic organs, with delivery	ICD-9-CM	Diagnosis
66561	Damage to pelvic joints and ligaments, with delivery	ICD-9-CM	Diagnosis
66571	Pelvic hematoma, with delivery	ICD-9-CM	Diagnosis
66572	Pelvic hematoma, delivered with postpartum complication	ICD-9-CM	Diagnosis
66581	Other specified obstetrical trauma, with delivery	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
66582	Other specified obstetrical trauma, delivered, with postpartum	ICD-9-CM	Diagnosis
66591	Unspecified obstetrical trauma, with delivery	ICD-9-CM	Diagnosis
66592	Unspecified obstetrical trauma, delivered, with postpartum complication	ICD-9-CM	Diagnosis
66602	Third-stage postpartum hemorrhage, with delivery	ICD-9-CM	Diagnosis
66612	Other immediate postpartum hemorrhage, with delivery	ICD-9-CM	Diagnosis
66622	Delayed and secondary postpartum hemorrhage, with delivery	ICD-9-CM	Diagnosis
66632	Postpartum coagulation defects, with delivery	ICD-9-CM	Diagnosis
66702	Retained placenta without hemorrhage, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
66712	Retained portions of placenta or membranes, without hemorrhage, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66801	Pulmonary complications of the administration of anesthesia or other sedation in labor and delivery, delivered	ICD-9-CM	Diagnosis
66802	Pulmonary complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66811	Cardiac complications of the administration of anesthesia or other sedation in labor and delivery, delivered	ICD-9-CM	Diagnosis
66812	Cardiac complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66821	Central nervous system complications of the administration of anesthesia or other sedation in labor and delivery, delivered	ICD-9-CM	Diagnosis
66822	Central nervous system complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66881	Other complications of the administration of anesthesia or other sedation in labor and delivery, delivered	ICD-9-CM	Diagnosis
66882	Other complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66891	Unspecified complication of the administration of anesthesia or other sedation in labor and delivery, delivered	ICD-9-CM	Diagnosis
66892	Unspecified complication of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66901	Maternal distress, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66902	Maternal distress, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
66911	Shock during or following labor and delivery, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66912	Shock during or following labor and delivery, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
66921	Maternal hypotension syndrome, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66922	Maternal hypotension syndrome, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
66932	Acute kidney failure following labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66941	Other complications of obstetrical surgery and procedures, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66942	Other complications of obstetrical surgery and procedures, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
66951	Forceps or vacuum extractor delivery without mention of indication, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66961	Breech extraction, without mention of indication, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66971	Cesarean delivery, without mention of indication, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66981	Other complication of labor and delivery, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66982	Other complication of labor and delivery, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
66991	Unspecified complication of labor and delivery, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
66992	Unspecified complication of labor and delivery, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67002	Major puerperal infection, unspecified, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67012	Puerperal endometritis, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67022	Puerperal sepsis, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67032	Puerperal septic thrombophlebitis, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67082	Other major puerperal infection, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67101	Varicose veins of legs, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67102	Varicose veins of legs, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67111	Varicose veins of vulva and perineum, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67112	Varicose veins of vulva and perineum, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67121	Superficial thrombophlebitis with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67122	Superficial thrombophlebitis with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67131	Deep phlebothrombosis, antepartum, with delivery	ICD-9-CM	Diagnosis
67142	Deep phlebothrombosis, postpartum, with delivery	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
67151	Other phlebitis and thrombosis with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67152	Other phlebitis and thrombosis with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67181	Other venous complication, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67182	Other venous complication, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67191	Unspecified venous complication, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67192	Unspecified venous complication, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67202	Puerperal pyrexia of unknown origin, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67301	Obstetrical air embolism, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67302	Obstetrical air embolism, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67311	Amniotic fluid embolism, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67312	Amniotic fluid embolism, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67321	Obstetrical blood-clot embolism, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67322	Obstetrical blood-clot embolism, with mention of postpartum complication	ICD-9-CM	Diagnosis
67331	Obstetrical pyemic and septic embolism, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67332	Obstetrical pyemic and septic embolism, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67381	Other obstetrical pulmonary embolism, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67382	Other obstetrical pulmonary embolism, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67401	Cerebrovascular disorder, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67402	Cerebrovascular disorder, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67412	Disruption of cesarean wound, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67422	Disruption of perineal wound, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67432	Other complication of obstetrical surgical wounds, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67442	Placental polyp, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis

Appendix B. 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), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Live Birth Delivery

Code	Description	Code Type	Code Category
67451	Peripartum cardiomyopathy, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67452	Peripartum cardiomyopathy, delivered, with mention of postpartum condition	ICD-9-CM	Diagnosis
67482	Other complication of puerperium, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67492	Unspecified complications of puerperium, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67501	Infection of nipple associated with childbirth, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67502	Infection of nipple associated with childbirth, delivered with mention of postpartum complication	ICD-9-CM	Diagnosis
67511	Abscess of breast associated with childbirth, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67512	Abscess of breast associated with childbirth, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67521	Nonpurulent mastitis, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67522	Nonpurulent mastitis, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67581	Other specified infection of the breast and nipple associated with childbirth, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67582	Other specified infection of the breast and nipple associated with childbirth, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67591	Unspecified infection of the breast and nipple, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67592	Unspecified infection of the breast and nipple, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67601	Retracted nipple, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67602	Retracted nipple, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67611	Cracked nipple, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67612	Cracked nipple, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67621	Engorgement of breasts, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67622	Engorgement of breasts, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67631	Other and unspecified disorder of breast associated with childbirth, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67632	Other and unspecified disorder of breast associated with childbirth, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67641	Failure of lactation, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67642	Failure of lactation, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67651	Suppressed lactation, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67652	Suppressed lactation, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
67661	Galactorrhea, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67662	Galactorrhea, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67681	Other disorder of lactation, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67682	Other disorder of lactation, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67691	Unspecified disorder of lactation, with delivery, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
72	Forceps, vacuum, and breech delivery	ICD-9-CM	Procedure
73	Other procedures inducing or assisting delivery	ICD-9-CM	Procedure
720	Low forceps operation	ICD-9-CM	Procedure
721	Low forceps operation with episiotomy	ICD-9-CM	Procedure
722	Mid forceps operation	ICD-9-CM	Procedure
723	High forceps operation	ICD-9-CM	Procedure
724	Forceps rotation of fetal head	ICD-9-CM	Procedure
725	Breech extraction	ICD-9-CM	Procedure
726	Forceps application to aftercoming head	ICD-9-CM	Procedure
727	Vacuum extraction	ICD-9-CM	Procedure
728	Other specified instrumental delivery	ICD-9-CM	Procedure
729	Unspecified instrumental delivery	ICD-9-CM	Procedure
730	Artificial rupture of membranes	ICD-9-CM	Procedure
731	Other surgical induction of labor	ICD-9-CM	Procedure
732	Internal and combined version and extraction	ICD-9-CM	Procedure
733	Failed forceps	ICD-9-CM	Procedure
734	Medical induction of labor	ICD-9-CM	Procedure
735	Manually assisted delivery	ICD-9-CM	Procedure
736	Episiotomy	ICD-9-CM	Procedure
738	Operations on fetus to facilitate delivery	ICD-9-CM	Procedure
739	Other operations assisting delivery	ICD-9-CM	Procedure
740	Classical cesarean section	ICD-9-CM	Procedure
741	Low cervical cesarean section	ICD-9-CM	Procedure
742	Extraperitoneal cesarean section	ICD-9-CM	Procedure
744	Cesarean section of other specified type	ICD-9-CM	Procedure
749	Cesarean section of unspecified type	ICD-9-CM	Procedure
7221	Mid forceps operation with episiotomy	ICD-9-CM	Procedure
7229	Other mid forceps operation	ICD-9-CM	Procedure
7231	High forceps operation with episiotomy	ICD-9-CM	Procedure
7239	Other high forceps operation	ICD-9-CM	Procedure
7251	Partial breech extraction with forceps to aftercoming head	ICD-9-CM	Procedure
7252	Other partial breech extraction	ICD-9-CM	Procedure
7253	Total breech extraction with forceps to aftercoming head	ICD-9-CM	Procedure
7254	Other total breech extraction	ICD-9-CM	Procedure

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Code	Description	Code Type	Code Category
7271	Vacuum extraction with episiotomy	ICD-9-CM	Procedure
7279	Other vacuum extraction	ICD-9-CM	Procedure
7301	Induction of labor by artificial rupture of membranes	ICD-9-CM	Procedure
7309	Other artificial rupture of membranes	ICD-9-CM	Procedure
7321	Internal and combined version without extraction	ICD-9-CM	Procedure
7322	Internal and combined version with extraction	ICD-9-CM	Procedure
7351	Manual rotation of fetal head	ICD-9-CM	Procedure
7359	Other manually assisted delivery	ICD-9-CM	Procedure
7391	External version to assist delivery	ICD-9-CM	Procedure
7392	Replacement of prolapsed umbilical cord	ICD-9-CM	Procedure
7393	Incision of cervix to assist delivery	ICD-9-CM	Procedure
7394	Pubiotomy to assist delivery	ICD-9-CM	Procedure
7399	Other operations to assist delivery	ICD-9-CM	Procedure
7499	Other cesarean section of unspecified type	ICD-9-CM	Procedure
67692	Unspecified disorder of lactation, with delivery, with mention of postpartum complication	ICD-9-CM	Diagnosis
67801	Fetal hematologic conditions, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67811	Fetal conjoined twins, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67901	Maternal complications from in utero procedure, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67902	Maternal complications from in utero procedure, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
67911	Fetal complications from in utero procedure, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
67912	Fetal complications from in utero procedure, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
V27	Outcome of delivery	ICD-9-CM	Diagnosis
V270	Outcome of delivery, single liveborn	ICD-9-CM	Diagnosis
V271	Outcome of delivery, single stillborn	ICD-9-CM	Diagnosis
V272	Outcome of delivery, twins, both liveborn	ICD-9-CM	Diagnosis
V273	Outcome of delivery, twins, one liveborn and one stillborn	ICD-9-CM	Diagnosis
V274	Outcome of delivery, twins, both stillborn	ICD-9-CM	Diagnosis
V275	Outcome of delivery, other multiple birth, all liveborn	ICD-9-CM	Diagnosis
V276	Outcome of delivery, other multiple birth, some liveborn	ICD-9-CM	Diagnosis
V277	Outcome of delivery, other multiple birth, all stillborn	ICD-9-CM	Diagnosis
V279	Outcome of delivery, unspecified	ICD-9-CM	Diagnosis
V30	Single liveborn	ICD-9-CM	Diagnosis
V300	Single liveborn, born in hospital	ICD-9-CM	Diagnosis
V3000	Single liveborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3001	Single liveborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V301	Single liveborn, born before admission to hospital	ICD-9-CM	Diagnosis

Appendix B. 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), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Live Birth Delivery

Code	Description	Code Type	Code Category
V302	Single liveborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V31	Twin birth, mate liveborn	ICD-9-CM	Diagnosis
V310	Twin, mate liveborn, born in hospital	ICD-9-CM	Diagnosis
V3100	Twin, mate liveborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3101	Twin, mate liveborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V311	Twin birth, mate liveborn, born before admission to hospital	ICD-9-CM	Diagnosis
V312	Twin birth, mate liveborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V32	Twin birth, mate stillborn	ICD-9-CM	Diagnosis
V320	Twin, mate stillborn, born in hospital	ICD-9-CM	Diagnosis
V3200	Twin, mate stillborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3201	Twin, mate stillborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V321	Twin birth, mate stillborn, born before admission to hospital	ICD-9-CM	Diagnosis
V322	Twin birth, mate stillborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V33	Twin birth, unspecified whether mate liveborn or stillborn	ICD-9-CM	Diagnosis
V330	Twin, unspecified, born in hospital	ICD-9-CM	Diagnosis
V3300	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3301	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V331	Twin birth, unspecified whether mate liveborn or stillborn, born before admission to hospital	ICD-9-CM	Diagnosis
V332	Twin birth, unspecified whether mate liveborn or stillborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V34	Other multiple birth (three or more), mates all liveborn	ICD-9-CM	Diagnosis
V340	Other multiple, mates all liveborn, born in hospital	ICD-9-CM	Diagnosis
V3400	Other multiple, mates all liveborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3401	Other multiple, mates all liveborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V341	Other multiple birth (three or more), mates all liveborn, born before admission to hospital	ICD-9-CM	Diagnosis
V342	Other multiple birth (three or more), mates all liveborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V35	Other multiple birth (three or more), mates all stillborn	ICD-9-CM	Diagnosis
V350	Other multiple, mates all stillborn, born in hospital	ICD-9-CM	Diagnosis
V3500	Other multiple, mates all stillborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3501	Other multiple, mates all stillborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V351	Other multiple birth (three or more), mates all stillborn, born before admission to hospital	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
V352	Other multiple birth (three or more), mates all stillborn, born outside of hospital and not hospitalized	ICD-9-CM	Diagnosis
V36	Other multiple birth (three or more), mates liveborn and stillborn	ICD-9-CM	Diagnosis
V360	Other multiple, mates liveborn and stillborn, born in hospital	ICD-9-CM	Diagnosis
V3600	Other multiple, mates liveborn and stillborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3601	Other multiple, mates liveborn and stillborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V361	Other multiple birth (three or more), mates liveborn and stillborn, born before admission to hospital	ICD-9-CM	Diagnosis
V362	Other multiple birth (three or more), mates liveborn and stillborn, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis
V37	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn	ICD-9-CM	Diagnosis
V370	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital	ICD-9-CM	Diagnosis
V3700	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3701	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered by cesarean delivery	ICD-9-CM	Diagnosis
V371	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born before admission to hospital	ICD-9-CM	Diagnosis
V372	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born outside of hospital	ICD-9-CM	Diagnosis
V39	Liveborn, unspecified whether single, twin, or multiple	ICD-9-CM	Diagnosis
V390	Other liveborn, unspecified whether single, twin, or multiple, born in hospital	ICD-9-CM	Diagnosis
V3900	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered without mention of cesarean delivery	ICD-9-CM	Diagnosis
V3901	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered by cesarean	ICD-9-CM	Diagnosis
V391	Liveborn, unspecified whether single, twin or multiple, born before admission to hospital	ICD-9-CM	Diagnosis
V392	Liveborn, unspecified whether single, twin or multiple, born outside hospital and not hospitalized	ICD-9-CM	Diagnosis

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
ACE Inhibitors	
amlodipine besylate/benazepril HCl	Lotrel
amlodipine besylate/benazepril HCl	amlodipine-benazepril
benazepril HCl	benazepril
benazepril HCl	benazepril HCl (bulk)
benazepril HCl	Lotensin
benazepril HCl/hydrochlorothiazide	benazepril-hydrochlorothiazide
benazepril HCl/hydrochlorothiazide	Lotensin HCT
captopril	captopril
captopril	captopril (bulk)
captopril/hydrochlorothiazide	captopril-hydrochlorothiazide
enalapril maleate	enalapril maleate
enalapril maleate	enalapril maleate (bulk)
enalapril maleate	Vasotec
enalapril maleate	Epaned
enalapril maleate/hydrochlorothiazide	enalapril-hydrochlorothiazide
enalapril maleate/hydrochlorothiazide	Vaseretic
enalaprilat dihydrate	enalaprilat
fosinopril sodium	fosinopril
fosinopril sodium/hydrochlorothiazide	fosinopril-hydrochlorothiazide
lisinopril	lisinopril
lisinopril	Zestril
lisinopril	Prinivil
lisinopril	lisinopril (bulk)
lisinopril/hydrochlorothiazide	lisinopril-hydrochlorothiazide
lisinopril/hydrochlorothiazide	Zestoretic
moexipril HCl	moexipril
moexipril HCl	Univasc
moexipril HCl/hydrochlorothiazide	moexipril-hydrochlorothiazide
perindopril arginine/amlodipine besylate	Prestalia
perindopril erbumine	Aceon
perindopril erbumine	perindopril erbumine
quinapril HCl	quinapril
quinapril HCl	Accupril
quinapril HCl/hydrochlorothiazide	quinapril-hydrochlorothiazide
quinapril HCl/hydrochlorothiazide	Accuretic
ramipril	ramipril
ramipril	Altace
trandolapril	Mavik
trandolapril	trandolapril
trandolapril/verapamil HCl	trandolapril-verapamil
trandolapril/verapamil HCl	Tarka

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Generic Name	Brand Name
Acitretin	
acitretin	acitretin
acitretin	Soriatane
Aminoglycosides	
amikacin	amikacin (bulk)
amikacin sulfate	amikacin
amikacin sulfate	amikacin sulfate (bulk)
amikacin sulfate liposomal with nebulizer accessories	Arikayce
gentamicin sulfate	gentamicin (bulk)
gentamicin sulfate	gentamicin
gentamicin sulfate in sodium chloride, iso-osmotic	gentamicin in NaCl (iso-osm)
gentamicin sulfate/PF	gentamicin sulfate (PF)
gentamicin sulfate/PF	gentamicin sulfate (ped) (PF)
kanamycin sulfate	kanamycin (bulk)
neomycin sulfate	neomycin
plazomicin sulfate	Zemdri
streptomycin sulfate	streptomycin
tobramycin	tobramycin (bulk)
tobramycin sulfate	tobramycin sulfate
tobramycin sulfate	tobramycin sulfate (bulk)
tobramycin sulfate/sodium chloride	tobramycin in 0.9 % NaCl
Antineoplastic Agents	
abemaciclib	Verzenio
abiraterone acetate	abiraterone
abiraterone acetate	Zytiga
abiraterone acetate, submicronized	Yonsa
acalabrutinib	Calquence
ado-trastuzumab emtansine	Kadcyla
afatinib dimaleate	Gilotrif
aldesleukin	Proleukin
alemtuzumab	Campath
alpelisib	Piqray
altretamine	Hexalen
amifostine crystalline	amifostine crystalline
amifostine crystalline	Ethyol
anastrozole	anastrozole
anastrozole	Arimidex
apalutamide	Erleada
arsenic trioxide	arsenic trioxide
arsenic trioxide	Trisenox
asparaginase	Elspar
asparaginase (Erwinia chrysanthemi)	Erwinaze
atezolizumab	Tecentriq
avapritinib	Ayvakit
avelumab	Bavencio
axicabtagene ciloleucel	Yescarta
axitinib	Inlyta

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Generic Name	Brand Name
azacitidine	azacitidine
azacitidine	Vidaza
BCG live	Tice BCG
BCG live	Theracys
belinostat	Beleodaq
bendamustine HCl	Treanda
bendamustine HCl	Belrapzo
bendamustine HCl	bendamustine
bendamustine HCl	Bendeka
bevacizumab	Avastin
bevacizumab-awwb	Mvasi
bevacizumab-bvzr	Zirabev
bexarotene	bexarotene
bexarotene	Targretin
bicalutamide	bicalutamide
bicalutamide	Casodex
binimetinib	Mektovi
bleomycin sulfate	bleomycin
bleomycin sulfate	Bleo 15K
blinatumomab	Blincyto
bortezomib	Velcade
bortezomib	bortezomib
bosutinib	Bosulif
brentuximab vedotin	Adcetris
brigatinib	Alunbrig
busulfan	Busulfex
busulfan	busulfan
busulfan	Myleran
cabazitaxel	Jevtana
cabozantinib s-malate	Cabometyx
cabozantinib s-malate	Cometriq
calaspargase pegol-mknl	Asparlas
capecitabine	capecitabine
capecitabine	Xeloda
carboplatin	carboplatin
carfilzomib	Kyprolis
carmustine	BiCNU
carmustine	carmustine
carmustine in polifeprosan 20	Gliadel Wafer
cemiplimab-rwlc	Libtayo
ceritinib	Zykadia
cetuximab	Erbitux
chlorambucil	Leukeran
cisplatin	cisplatin
cladribine	cladribine
clofarabine	Clolar
clofarabine	clofarabine
cobimetinib fumarate	Cotellic

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Generic Name	Brand Name
copanlisib di-HCl	Aliqopa
crizotinib	Xalkori
cromolyn sodium	cromolyn
cromolyn sodium	Gastrocrom
cyclophosphamide	cyclophosphamide
cytarabine	cytarabine
cytarabine liposome/PF	DepoCyt (PF)
cytarabine/PF	cytarabine (PF)
dabrafenib mesylate	Tafinlar
dacarbazine	dacarbazine
dacomitinib	Vizimpro
dactinomycin	dactinomycin
dactinomycin	Cosmegen
daratumumab	Darzalex
darolutamide	Nubeqa
dasatinib	Sprycel
daunorubicin citrate liposomal	DaunoXome
daunorubicin HCl	daunorubicin
daunorubicin/cytarabine liposomal	Vyxeos
decitabine	decitabine
decitabine	Dacogen
degarelix acetate	Firmagon
degarelix acetate	Firmagon kit w diluent syringe
dexrazoxane HCl	dexrazoxane HCl
dexrazoxane HCl	Totect
dinutuximab	Unituxin
docetaxel	docetaxel
docetaxel	Taxotere
docetaxel	Docefrez
doxorubicin HCl	Adriamycin
doxorubicin HCl	doxorubicin
doxorubicin HCl pegylated liposomal	doxorubicin, peg-liposomal
doxorubicin HCl pegylated liposomal	Doxil
doxorubicin HCl pegylated liposomal	Lipodox
doxorubicin HCl pegylated liposomal	Lipodox 50
durvalumab	Imfinzi
duvelisib	Copiktra
elotuzumab	Empliciti
enasidenib mesylate	Idhifa
encorafenib	Braftovi
enfortumab vedotin-ejfv	Padcev
entrectinib	Rozlytrek
enzalutamide	Xtandi
epirubicin HCl	epirubicin
epirubicin HCl	Ellence
erdafitinib	Balversa
eribulin mesylate	Halaven
erlotinib HCl	erlotinib
erlotinib HCl	Tarceva

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Generic Name	Brand Name
estramustine phosphate sodium	Emcyt
etoposide	etoposide
etoposide	Toposar
etoposide phosphate	Etopophos
everolimus	everolimus (antineoplastic)
everolimus	Afinitor Disperz
everolimus	Afinitor
exemestane	exemestane
exemestane	Aromasin
fam-trastuzumab deruxtecan-nxki	Enhertu
fedratinib dihydrochloride	Inrebic
floxuridine	floxuridine
fludarabine phosphate	fludarabine
fluorouracil	fluorouracil
fluorouracil	Adrucil
flutamide	flutamide
fulvestrant	fulvestrant
fulvestrant	Faslodex
gefitinib	Iressa
gemcitabine HCl	gemcitabine
gemcitabine HCl	Gemzar
gemcitabine HCl in 0.9 % sodium chloride	Infugem
gemtuzumab ozogamicin	Mylotarg
gilteritinib fumarate	Xospata
glasdegib maleate	Daurismo
glucarpidase	Voraxaze
goserelin acetate	Zoladex
histrelin acetate	Vantas
hydroxyurea	hydroxyurea
hydroxyurea	Hydrea
ibrutinib	Imbruvica
idarubicin HCl	idarubicin
idarubicin HCl	Idamycin PFS
idelalisib	Zydelig
ifosfamide	Ifex
ifosfamide	ifosfamide
ifosfamide/mesna	ifosfamide-mesna
imatinib mesylate	imatinib
imatinib mesylate	Gleevec
inotuzumab ozogamicin	Besponsa
interferon alfa-2b, recomb.	Intron A
iobenguane iodine-131	Azedra Therapeutic
iobenguane iodine-131	Azedra Dosimetric
ipilimumab	Yervoy
irinotecan HCl	irinotecan
irinotecan HCl	Camptosar
irinotecan liposomal	Onivyde

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
ivosidenib	Tibsovo
ixabepilone	Ixempra
ixazomib citrate	Ninlaro
kit for prep yttrium-90/ibritumomab tiuxetan/albumin human	Zevalin (Y-90)
lapatinib ditosylate	Tykerb
larotrectinib sulfate	Vitrakvi
lenalidomide	Revlimid
lenvatinib mesylate	Lenvima
letrozole	letrozole
letrozole	Femara
leucovorin calcium	leucovorin calcium
leuprolide acetate	Lupron Depot (6 Month)
leuprolide acetate	Eligard (3 month)
leuprolide acetate	Eligard (6 month)
leuprolide acetate	Lupron Depot (4 month)
leuprolide acetate	Lupron Depot (3 month)
leuprolide acetate	Eligard (4 month)
leuprolide acetate	Lupron Depot
leuprolide acetate	Eligard
leuprolide acetate	leuprolide
levoleucovorin	Khazory
levoleucovorin calcium	levoleucovorin calcium
levoleucovorin calcium	Fusilev
lomustine	Gleostine
lomustine	lomustine
lorlatinib	Lorbrena
lutetium Lu 177 dotatate	Lutathera
mechlorethamine HCl	Mustargen
medroxyprogesterone acetate	Depo-Provera
megestrol acetate	megestrol
melphalan	Alkeran
melphalan	melphalan
melphalan HCl	melphalan HCl
melphalan HCl	Alkeran (as HCl)
melphalan HCl/betadex sulfobutyl ether sodium	Evomela
mercaptopurine	mercaptopurine
mercaptopurine	Purinethol
mercaptopurine	Purixan
mesna	mesna
mesna	Mesnex
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium
methotrexate sodium	Trexall
methotrexate sodium/PF	methotrexate sodium (PF)
methoxsalen	Uvadex
midostaurin	Rydapt
mitomycin	mitomycin

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
mitomycin	Mutamycin
mitotane	Lysodren
mitoxantrone HCl	mitoxantrone
mogamulizumab-kpkc	Poteligeo
moxetumomab pasudotox-tdfk	Lumoxiti
necitumumab	Portrazza
nelarabine	Arranon
neratinib maleate	Nerlynx
nilotinib HCl	Tasigna
nilutamide	Nilandron
nilutamide	nilutamide
nintedanib esylate	Ofev
niraparib tosylate	Zejula
nivolumab	Opdivo
obinutuzumab	Gazyva
ofatumumab	Arzerra
olaparib	Lynparza
olaratumab	Lartruvo
omacetaxine mepesuccinate	Synribo
osimertinib mesylate	Tagrisso
oxaliplatin	oxaliplatin
oxaliplatin	Eloxatin
paclitaxel	paclitaxel
paclitaxel protein-bound	Abraxane
palbociclib	Ibrance
panitumumab	Vectibix
panobinostat lactate	Farydak
pazopanib HCl	Votrient
pegaspargase	Oncaspar
peginterferon alfa-2b	Sylatron 4-Pack
peginterferon alfa-2b	Sylatron
pembrolizumab	Keytruda
pemetrexed disodium	Alimta
pentostatin	Nipent
pertuzumab	Perjeta
pexidartinib hydrochloride	Turalio
polatuzumab vedotin-piiq	Polivy
pomalidomide	Pomalyst
ponatinib HCl	Iclusig
porfimer sodium	Photofrin
pralatrexate	Folotyn
procarbazine HCl	Matulane
radium-223 dichloride	Xofigo
ramucirumab	Cyramza
regorafenib	Stivarga
ribociclib succinate	Kisqali

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
ribociclib succinate/letrozole	Kisqali Femara Co-Pack
rituximab	Rituxan
rituximab/hyaluronidase, human recombinant	Rituxan Hycela
rituximab-abbs	Truxima
rituximab-pvvr	Ruxience
romidepsin	Istodax
romidepsin	romidepsin
rucaparib camsylate	Rubraca
ruxolitinib phosphate	Jakafi
samarium Sm 153 lexidronam	Quadramet
selinexor	Xpovio
siltuximab	Sylvant
sipuleucel-T/lactated ringers solution	Provenge
sodium iodide-131	Hicon
sonidegib phosphate	Odomzo
sorafenib tosylate	Nexavar
streptozocin	Zanosar
strontium-89 chloride	strontium-89 chloride
strontium-89 chloride	Metastron
sunitinib malate	Sutent
tagraxofusp-erzs	Elzonris
talazoparib tosylate	Talzenna
talimogene laherparepvec	Imlygic
tamoxifen citrate	tamoxifen
tamoxifen citrate	Soltamox
tazemetostat hydrobromide	Tazverik
temozolomide	temozolomide
temozolomide	Temodar
temsirolimus	Torisel
temsirolimus	temsirolimus
teniposide	teniposide
thalidomide	Thalomid
thioguanine	Tabloid
thiotepa	Tepadina
thiotepa	thiotepa
tisagenlecleucel	Kymriah
topotecan HCl	Hycamtin
topotecan HCl	topotecan
toremifene citrate	toremifene
toremifene citrate	Fareston
trabectedin	Yondelis
trametinib dimethyl sulfoxide	Mekinist
trastuzumab	Herceptin
trastuzumab-anns	Kanjinti
trastuzumab-dkst	Ogivri
trastuzumab-hyaluronidase-oysk	Herceptin Hylecta
tretinoin	tretinoin (chemotherapy)

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
trifluridine/tipiracil HCl	Lonsurf
triptorelin pamoate	Trelstar
uridine triacetate	Vistogard
valrubicin	valrubicin
valrubicin	Valstar
vandetanib	Caprelsa
vemurafenib	Zelboraf
venetoclax	Venclexta
venetoclax	Venclexta Starting Pack
vinblastine sulfate	vinblastine
vincristine sulfate	Vincasar PFS
vincristine sulfate	vincristine
vincristine sulfate liposomal	Marqibo
vinorelbine tartrate	vinorelbine
vinorelbine tartrate	Navelbine
vismodegib	Erivedge
vorinostat	Zolinza
zanubrutinib	Brukinsa
ziv-aflibercept	Zaltrap
Azathioprine	
azathioprine	azathioprine
azathioprine	azathioprine (bulk)
azathioprine	Imuran
azathioprine	Azasan
azathioprine sodium	azathioprine sodium
Carbamazepine	
carbamazepine	carbamazepine
carbamazepine	Tegretol XR
carbamazepine	carbamazepine (bulk)
carbamazepine	Carbatrol
carbamazepine	Tegretol
carbamazepine	Equetro
carbamazepine	Epitol
Clomiphene	
clomiphene citrate	clomiphene citrate
clomiphene citrate	clomiphene citrate (bulk)
clomiphene citrate	Serophene
Danazol	
danazol	danazol (bulk)
danazol	danazol
Divalproex	
divalproex sodium	divalproex
divalproex sodium	Depakote
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
Ethotoin	
ethotoin	Peganone
Fluconazole	
fluconazole	Diflucan
fluconazole	fluconazole
fluconazole in dextrose, iso-osmotic	fluconazole in dextrose(iso-o)
fluconazole in sodium chloride, iso-osmotic	fluconazole in NaCl (iso-osm)
fluconazole/ibuprofen/itraconazole/terbinafine HCl	flucona-ibuprof-itracon-terbin
Folic Acid Antagonists	
carbamazepine	carbamazepine
carbamazepine	Tegretol
carbamazepine	Tegretol XR
carbamazepine	Carbatrol
carbamazepine	Equetro
carbamazepine	Epitol
cholestyramine (with sugar)	cholestyramine (with sugar)
cholestyramine (with sugar)	Questran
cholestyramine/aspartame	Cholestyramine Light
cholestyramine/aspartame	Prevalite
cholestyramine/aspartame	Questran Light
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles
divalproex sodium	Depakote
divalproex sodium	divalproex
fosphenytoin sodium	fosphenytoin
fosphenytoin sodium	Cerebyx
lamotrigine	lamotrigine
lamotrigine	Lamictal XR Starter (Green)
lamotrigine	Lamictal ODT Starter (Blue)
lamotrigine	Subvenite
lamotrigine	Lamictal ODT Starter (Orange)
lamotrigine	Lamictal ODT
lamotrigine	Lamictal
lamotrigine	Lamictal XR
lamotrigine	Subvenite Starter (Green) Kit
lamotrigine	Lamictal XR Starter (Blue)
lamotrigine	Lamictal ODT Starter (Green)
lamotrigine	Lamictal Starter (Blue) Kit
lamotrigine	Lamictal Starter (Green) Kit
lamotrigine	Subvenite Starter (Blue) Kit
lamotrigine	Subvenite Starter (Orange) Kit
lamotrigine	Lamictal Starter (Orange) Kit
lamotrigine	Lamictal XR Starter (Orange)
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
methotrexate sodium	Trexall
methotrexate sodium/PF	methotrexate sodium (PF)
pemetrexed disodium	Alimta
phenobarbital	phenobarbital
phenobarbital sodium	phenobarbital sodium
phenobarbital sodium in 0.9 % sodium chloride	phenobarbital in 0.9 % sod chl
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	phenobarb-hyoscy-atropine-scop
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Phenohtro
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Donnatal
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Me-PB-Hyos
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Belladonna-Phenobarbital
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	B-Donna
phenytoin	phenytoin
phenytoin	Dilantin-125
phenytoin	Dilantin Infatabs
phenytoin sodium	phenytoin sodium
phenytoin sodium extended	phenytoin sodium extended
phenytoin sodium extended	Dilantin Kapseal
phenytoin sodium extended	Phenytek
phenytoin sodium extended	Dilantin Extended
phenytoin sodium extended	Dilantin
polymyxin B sulfate/trimethoprim	polymyxin B sulf-trimethoprim
polymyxin B sulfate/trimethoprim	Polytrim
pralatrexate	Folotyn
primidone	primidone
primidone	Mysoline
pyrimethamine	Daraprim
sulfadiazine	sulfadiazine
sulfamethoxazole/trimethoprim	sulfamethoxazole-trimethoprim
sulfamethoxazole/trimethoprim	Bactrim DS
sulfamethoxazole/trimethoprim	Sulfatrim
sulfamethoxazole/trimethoprim	Bactrim
sulfanilamide	AVC Vaginal
sulfasalazine	sulfasalazine
sulfasalazine	Azulfidine
sulfasalazine	Azulfidine EN-tabs
sulfasalazine	Sulfazine
triamterene	Dyrenium
triamterene	triamterene
triamterene/hydrochlorothiazide	triamterene-hydrochlorothiazid
triamterene/hydrochlorothiazide	Dyazide
triamterene/hydrochlorothiazide	Maxzide-25mg
triamterene/hydrochlorothiazide	Maxzide
trimethoprim	trimethoprim
trimethoprim	Primsol
trimethoprim	Trimpex

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
valproic acid	Depakene
valproic acid	valproic acid
valproic acid	Stavzor
valproic acid (as sodium salt) (valproate sodium)	Depacon
valproic acid (as sodium salt) (valproate sodium)	Depakene
valproic acid (as sodium salt) (valproate sodium)	valproic acid (as sodium salt)
valproic acid (as sodium salt) (valproate sodium)	valproate sodium
Fosphenytoin	
fosphenytoin sodium	Cerebyx
fosphenytoin sodium	fosphenytoin
Isotretinoin	
isotretinoin	Amnesteem
isotretinoin	Claravis
isotretinoin	Absorica
isotretinoin	Zenatane
isotretinoin	Myorisan
isotretinoin	isotretinoin
Leflunomide	
leflunomide	Arava
leflunomide	leflunomide
Lithium	
lithium carbonate	lithium carbonate
lithium carbonate	Lithobid
lithium citrate	lithium citrate
Methimazole	
methimazole	methimazole
methimazole	Tapazole
Methotrexate	
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium
methotrexate sodium	Trexall
methotrexate sodium	Rheumatrex
methotrexate sodium/PF	methotrexate sodium (PF)
methotrexate/PF	Otrexup (PF)
methotrexate/PF	Rasuvo (PF)
Misoprostol	
misoprostol	misoprostol (bulk)
misoprostol	Cytotec
misoprostol	misoprostol
Mycophenolate	
mycophenolate mofetil	CellCept
mycophenolate mofetil	mycophenolate mofetil
mycophenolate mofetil HCl	CellCept Intravenous
mycophenolate mofetil HCl	mycophenolate mofetil (HCl)
mycophenolate sodium	Myfortic
mycophenolate sodium	mycophenolate sodium

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
Phenobarbital	
phenobarbital	phenobarbital
phenobarbital	phenobarbital (bulk)
phenobarbital sodium in 0.9 % sodium chloride	phenobarbital in 0.9 % sod chl
Phenytoin	
fosphenytoin sodium	fosphenytoin
fosphenytoin sodium	Cerebyx
phenytoin	phenytoin
phenytoin	phenytoin (bulk)
phenytoin	Dilantin-125
phenytoin	Dilantin Infatabs
phenytoin sodium	phenytoin sodium
phenytoin sodium extended	Dilantin Extended
phenytoin sodium extended	phenytoin sodium extended
phenytoin sodium extended	Dilantin Kapseal
phenytoin sodium extended	Phenytek
phenytoin sodium extended	Dilantin
Potassium Iodide	
iodine/potassium iodide	Lugols
iodine/potassium iodide	Strong Iodine
potassium iodide	SSKI
potassium iodide	potassium iodide
potassium iodide/iodine	Strong Iodine
potassium iodide/iodine	Lugols
Propylthiouracil	
propylthiouracil	propylthiouracil (bulk)
propylthiouracil	propylthiouracil
Ribavirin	
ribavirin	Copegus
ribavirin	Moderiba
ribavirin	Moderiba Dose Pack
ribavirin	Rebetol
ribavirin	ribavirin
ribavirin	Virazole
ribavirin	RIBATAB Dose Pack
ribavirin	Ribasphere
ribavirin	Ribasphere RibaPak
Sulfamethoxazole	
sulfamethoxazole/trimethoprim	sulfamethoxazole-trimethoprim
sulfamethoxazole/trimethoprim	Sulfatrim
sulfamethoxazole/trimethoprim	Bactrim
sulfamethoxazole/trimethoprim	Bactrim DS
Tetracycline	
colloidal bismuth subcitrate/metronidazole/tetracycline HCl	Pylera
demeclocycline HCl	demeclocycline
doxycycline calcium	Vibramycin

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
doxycycline hyclate	doxycycline hyclate
doxycycline hyclate	Doryx
doxycycline hyclate	Morgidox
doxycycline hyclate	Doxy-100
doxycycline hyclate	Doryx MPC
doxycycline hyclate	Vibramycin
doxycycline hyclate	Soloxide
doxycycline hyclate	Acticlate
doxycycline hyclate	Targadox
doxycycline monohydrate	Okebo
doxycycline monohydrate	doxycycline monohydrate
doxycycline monohydrate	Monodox
doxycycline monohydrate	Avidoxy
doxycycline monohydrate	Vibramycin
doxycycline monohydrate	Mondoxyne NL
doxycycline monohydrate	Adoxa
doxycycline monohydrate	Oracea
eravacycline di-hydrochloride	Xerava
minocycline HCl	Minocin
minocycline HCl	minocycline
minocycline HCl	CoreMino
minocycline HCl	Solodyn
minocycline HCl	Ximino
minocycline HCl	Minolira ER
minocycline HCl microspheres	Arestin
NYSTATIN/TETRACYCLINE HCL/HYDROCORTISONE/DIPHENHYDRAMINE HCL	FIRST-Mary's Mouthwash
omadacycline tosylate	Nuzyra
omadacycline tosylate	Nuzyra (7 Day with Load Dose)
omadacycline tosylate	Nuzyra (7 Day)
sarecycline HCl	Seysara
tetracycline HCl	tetracycline
tigecycline	Tygacil
tigecycline	tigecycline
Thalidomide	
lenalidomide	Revlimid
pomalidomide	Pomalyst
thalidomide	Thalomid
Topiramate	
topiramate	topiramate
topiramate	Qudexy XR
topiramate	Topamax
topiramate	Trokendi XR
topiramate	Topiragen
Valproic Acid/Valproate	
divalproex sodium	divalproex

Appendix C. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
divalproex sodium	divalproex (bulk)
divalproex sodium	Depakote
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles
valproic acid	valproic acid
valproic acid	valproic acid (bulk)
valproic acid	Stavzor
valproic acid	Depakene
valproic acid (as sodium salt) (valproate sodium)	valproic acid (as sodium salt)
valproic acid (as sodium salt) (valproate sodium)	valproate sodium
valproic acid (as sodium salt) (valproate sodium)	valproate sodium (bulk)
valproic acid (as sodium salt) (valproate sodium)	Depakene
valproic acid (as sodium salt) (valproate sodium)	Depacon
Warfarin	
warfarin sodium	Coumadin
warfarin sodium	warfarin
warfarin sodium	Jantoven

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Gestational Age in this Request

Gestational Age Look Up							
Code	Code Type	Code Category	Duration	Description	Priority Group 1	Priority Group 2	Priority Group 3
O481	Diagnosis	ICD-10-CM	294	Prolonged pregnancy	0	1	1
P0822	Diagnosis	ICD-10-CM	294	Prolonged gestation of newborn	0	1	1
Z3A49	Diagnosis	ICD-10-CM	301	Greater than 42 weeks gestation of pregnancy	1	0	1
O480	Diagnosis	ICD-10-CM	287	Post-term pregnancy	0	1	2
P0821	Diagnosis	ICD-10-CM	287	Post-term newborn	0	1	2
Z3A42	Diagnosis	ICD-10-CM	298	42 weeks gestation of pregnancy	1	0	2
Z3A41	Diagnosis	ICD-10-CM	291	41 weeks gestation of pregnancy	1	0	3
Z3A40	Diagnosis	ICD-10-CM	284	40 weeks gestation of pregnancy	1	0	4
Z3A39	Diagnosis	ICD-10-CM	277	39 weeks gestation of pregnancy	1	0	5
Z3A38	Diagnosis	ICD-10-CM	270	38 weeks gestation of pregnancy	1	0	6
Z3A37	Diagnosis	ICD-10-CM	263	37 weeks gestation of pregnancy	1	0	7
P0739	Diagnosis	ICD-10-CM	256	Preterm newborn, gestational age 36 completed weeks	1	0	8
Z3A36	Diagnosis	ICD-10-CM	256	36 weeks gestation of pregnancy	1	0	8
P0738	Diagnosis	ICD-10-CM	249	Preterm newborn, gestational age 35 completed weeks	1	0	9
Z3A35	Diagnosis	ICD-10-CM	249	35 weeks gestation of pregnancy	1	0	9
P0737	Diagnosis	ICD-10-CM	242	Preterm newborn, gestational age 34 completed weeks	1	0	10
Z3A34	Diagnosis	ICD-10-CM	242	34 weeks gestation of pregnancy	1	0	10
P0736	Diagnosis	ICD-10-CM	235	Preterm newborn, gestational age 33 completed weeks	1	0	11
Z3A33	Diagnosis	ICD-10-CM	235	33 weeks gestation of pregnancy	1	0	11
P0735	Diagnosis	ICD-10-CM	228	Preterm newborn, gestational age 32 completed weeks	1	0	12
Z3A32	Diagnosis	ICD-10-CM	228	32 weeks gestation of pregnancy	1	0	12
P0734	Diagnosis	ICD-10-CM	221	Preterm newborn, gestational age 31 completed weeks	1	0	13
Z3A31	Diagnosis	ICD-10-CM	221	31 weeks gestation of pregnancy	1	0	13
P0733	Diagnosis	ICD-10-CM	214	Preterm newborn, gestational age 30 completed weeks	1	0	14
Z3A30	Diagnosis	ICD-10-CM	214	30 weeks gestation of pregnancy	1	0	14
P0732	Diagnosis	ICD-10-CM	207	Preterm newborn, gestational age 29 completed weeks	1	0	15
Z3A29	Diagnosis	ICD-10-CM	207	29 weeks gestation of pregnancy	1	0	15
P0731	Diagnosis	ICD-10-CM	200	Preterm newborn, gestational age 28 completed weeks	1	0	16
Z3A28	Diagnosis	ICD-10-CM	200	28 weeks gestation of pregnancy	1	0	16
P0726	Diagnosis	ICD-10-CM	193	Extreme immaturity of newborn, gestational age 27 completed weeks	1	0	17

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Gestational Age in this Request

Gestational Age Look Up							
Code	Code Type	Code Category	Duration	Description	Priority Group 1	Priority Group 2	Priority Group 3
Z3A27	Diagnosis	ICD-10-CM	193	27 weeks gestation of pregnancy	1	0	17
P0725	Diagnosis	ICD-10-CM	186	Extreme immaturity of newborn, gestational age 26 completed weeks	1	0	18
Z3A26	Diagnosis	ICD-10-CM	186	26 weeks gestation of pregnancy	1	0	18
P0724	Diagnosis	ICD-10-CM	179	Extreme immaturity of newborn, gestational age 25 completed weeks	1	0	19
Z3A25	Diagnosis	ICD-10-CM	179	25 weeks gestation of pregnancy	1	0	19
P0723	Diagnosis	ICD-10-CM	172	Extreme immaturity of newborn, gestational age 24 completed weeks	1	0	20
Z3A24	Diagnosis	ICD-10-CM	172	24 weeks gestation of pregnancy	1	0	20
P0722	Diagnosis	ICD-10-CM	165	Extreme immaturity of newborn, gestational age 23 completed weeks	1	0	21
Z3A23	Diagnosis	ICD-10-CM	165	23 weeks gestation of pregnancy	1	0	21
P0721	Diagnosis	ICD-10-CM	158	Extreme immaturity of newborn, gestational age less than 23 completed weeks	1	0	22
Z3A22	Diagnosis	ICD-10-CM	158	22 weeks gestation of pregnancy	1	0	22
Z3A21	Diagnosis	ICD-10-CM	151	21 weeks gestation of pregnancy	1	0	23
Z3A20	Diagnosis	ICD-10-CM	144	20 weeks gestation of pregnancy	1	0	24
P0720	Diagnosis	ICD-10-CM	196	Extreme immaturity of newborn, unspecified weeks of gestation	1	0	25
O6013X0	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X1	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X2	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X3	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X4	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X5	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6013X9	Diagnosis	ICD-10-CM	245	Preterm labor second trimester with preterm delivery third trimester	1	0	26
O6014X0	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
O6014X1	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
O6014X2	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Gestational Age in this Request

Gestational Age Look Up							
Code	Code Type	Code Category	Duration	Description	Priority Group 1	Priority Group 2	Priority Group 3
O6014X3	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
O6014X4	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
O6014X5	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
O6014X9	Diagnosis	ICD-10-CM	245	Preterm labor third trimester with preterm delivery third trimester	1	0	26
P0730	Diagnosis	ICD-10-CM	245	Preterm newborn, unspecified weeks of gestation	1	0	26
O6012X0	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X1	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X2	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X3	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X4	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X5	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
O6012X9	Diagnosis	ICD-10-CM	168	Preterm labor second trimester with preterm delivery second trimester	1	0	27
64520	Diagnosis	ICD-9-CM	294	Prolonged pregnancy	0	1	28
64521	Diagnosis	ICD-9-CM	294	Prolonged pregnancy	0	1	28
64523	Diagnosis	ICD-9-CM	294	Prolonged pregnancy	0	1	28
76528	Diagnosis	ICD-9-CM	252	35-36 completed weeks of gestation	1	0	28
76622	Diagnosis	ICD-9-CM	294	Prolonged gestation of infant	0	1	28
64510	Diagnosis	ICD-9-CM	287	Post term pregnancy	0	1	29
64511	Diagnosis	ICD-9-CM	287	Post term pregnancy	0	1	29
64513	Diagnosis	ICD-9-CM	287	Post term pregnancy	0	1	29
76527	Diagnosis	ICD-9-CM	238	33-34 completed weeks of gestation	1	0	29
76621	Diagnosis	ICD-9-CM	287	Post-term infant	0	1	29
76526	Diagnosis	ICD-9-CM	224	31-32 completed weeks of gestation	1	0	30
76525	Diagnosis	ICD-9-CM	210	29-30 completed weeks of gestation	1	0	31
76524	Diagnosis	ICD-9-CM	196	27-28 completed weeks of gestation	1	0	32
76523	Diagnosis	ICD-9-CM	182	25-26 completed weeks of gestation	1	0	33
76521	Diagnosis	ICD-9-CM	168	Less than 24 completed weeks of gestation	1	0	34
76522	Diagnosis	ICD-9-CM	168	24 completed weeks of gestation	1	0	34

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Gestational Age in this Request

Gestational Age Look Up							
Code	Code Type	Code Category	Duration	Description	Priority Group 1	Priority Group 2	Priority Group 3
76500	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76501	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76502	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76503	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76504	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76505	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76506	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76507	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76508	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
76509	Diagnosis	ICD-9-CM	196	Extreme immaturity, by weight	1	0	35
64421	Diagnosis	ICD-9-CM	245	Early onset of delivery, delivered, with or without mention of antepartum condition	1	0	36
76510	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76511	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76512	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76513	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76514	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76515	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76516	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76517	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76518	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76519	Diagnosis	ICD-9-CM	245	Other preterm infants, by weight	1	0	36
76520	Diagnosis	ICD-9-CM	245	Unspecified weeks of gestation	1	0	36

If multiple codes for specific weeks of gestation (Z codes), preterm delivery, and/or postterm delivery are available, the ICD-10 algorithm for gestational age prioritizes the following codes:

- (1) **Codes that specify weeks of gestation, including all Z codes ranging from 20 weeks through >=42 weeks of gestation in one week increments, and codes that indicate preterm delivery with weeks of gestation specified in one week increments (other than Z codes).** If multiple codes are observed, codes indicating longer gestational age are prioritized over those indicating shorter gestational age. We assumed the approximate mid-point of the specified gestational age [e.g., assumption of 263 days (37 weeks and 4 days) for 37 weeks gestation].
- (2) **Codes that indicate preterm delivery without specifying weeks of gestation.** If multiple codes are observed, codes with more specificity (e.g., preterm delivery, 2nd trimester of pregnancy or 'extreme immaturity') are prioritized over those with less specificity (e.g., preterm newborn, unspecified weeks of gestation). Further, codes indicating longer gestational age are prioritized over those indicating shorter gestational age.
- (3) **Codes that indicate postterm delivery without specifying weeks of gestation.** If multiple codes are observed, codes indicating longer gestational age are prioritized over those indicating shorter gestational age.

If no codes for preterm or postterm delivery are observed, then the default assumption for gestational age is 273 days. However, this assumption is user specified and can be modified.

Appendix E. Generic and Brand Names of Medical Products to Identify the Exposure

Generic Name	Brand Name
Fluoroquinolones	
ciprofloxacin	Cipro
ciprofloxacin	ciprofloxacin
ciprofloxacin HCl	ciprofloxacin HCl
ciprofloxacin HCl	Cipro
ciprofloxacin HCl	ciprofloxacin (bulk)
ciprofloxacin lactate	ciprofloxacin lactate
ciprofloxacin lactate/dextrose 5 % in water	ciprofloxacin in 5 % dextrose
ciprofloxacin lactate/dextrose 5 % in water	Cipro in D5W
ciprofloxacin/ciprofloxacin HCl	ciprofloxacin (mixture)
ciprofloxacin/ciprofloxacin HCl	Cipro XR
delafloxacin meglumine	Baxdela
gatifloxacin	gatifloxacin sesquihydr (bulk)
gemifloxacin mesylate	Factive
levofloxacin	Levaquin
levofloxacin	levofloxacin (bulk)
levofloxacin	levofloxacin
levofloxacin/dextrose 5 % in water	levofloxacin in D5W
levofloxacin/dextrose 5 % in water	Levaquin in 5 % dextrose
moxifloxacin HCl	moxifloxacin
moxifloxacin HCl	Avelox
moxifloxacin HCl	Avelox ABC Pack
moxifloxacin HCl	moxifloxacin HCl (bulk)
moxifloxacin HCl in sodium acetate and sulfate,water,iso-osm	moxifloxacin-sod.ace,sul-water
moxifloxacin HCl in sodium chloride, iso-osmotic	Avelox in NaCl (iso-osmotic)
moxifloxacin HCl in sodium chloride, iso-osmotic	moxifloxacin-sod.chloride(iso)
norfloxacin	Noroxin
ofloxacin	ofloxacin

Appendix F. List of Healthcare Common Procedure Coding System (HCPCS) Codes Used to Identify the Exposure

Code	Description	Code Type	Code Category
Fluoroquinolones			
J0200	Injection, alatrofloxacin mesylate, 100 mg	HCPCS	Procedure
J0744	Injection, ciprofloxacin for intravenous infusion, 200 mg	HCPCS	Procedure
C9462	Injection, delafloxacin, 1 mg	HCPCS	Procedure
J1590	Injection, gatifloxacin, 10 mg	HCPCS	Procedure
J1956	Injection, levofloxacin, 250 mg	HCPCS	Procedure
J2280	Injection, moxifloxacin, 100 mg	HCPCS	Procedure
S0034	Injection, ofloxacin, 400 mg	HCPCS	Procedure
C9479	Instillation, ciprofloxacin otic suspension, 6 mg	HCPCS	Procedure
J7342	Instillation, ciprofloxacin otic suspension, 6 mg	HCPCS	Procedure

Appendix G. Generic and Brand Names of Medical Products to Identify the Comparator

Generic Name	Brand Name
Cephalosporins	
cefaclor	cefaclor
cefadroxil	cefadroxil
cefazolin sodium	cefazolin
cefazolin sodium in 0.9 % sodium chloride	cefazolin in 0.9% sod chloride
cefazolin sodium/dextrose 5 % in water	cefazolin in dextrose 5 %
cefazolin sodium/dextrose, iso-osmotic	cefazolin in dextrose (iso-os)
cefazolin sodium/water for injection,sterile	cefazolin in sterile water
cefdinir	cefdinir
cefditoren pivoxil	cefditoren pivoxil
cefditoren pivoxil	Spectracef
cefepime HCl	cefepime
cefepime HCl	Maxipime
cefepime HCl in dextrose 5 % in water	cefepime in dextrose 5 %
cefepime HCl in iso-osmotic dextrose	cefepime in dextrose,iso-osm
cefixime	cefixime
cefixime	Suprax
cefotaxime sodium	cefotaxime
cefotaxime sodium	Claforan
cefotaxime sodium/dextrose, iso-osmotic	Claforan in dextrose(iso-osm)
cefotetan disodium	cefotetan
cefotetan disodium	Cefotan
cefotetan disodium in iso-osmotic dextrose	cefotetan in dextrose, iso-osm
cefoxitin sodium	cefoxitin
cefoxitin sodium/dextrose, iso-osmotic	cefoxitin in dextrose, iso-osm
cefpodoxime proxetil	cefpodoxime
cefprozil	cefprozil
ceftaroline fosamil acetate	Teflaro
ceftazidime	Tazicef
ceftazidime	Fortaz
ceftazidime	ceftazidime
ceftazidime	ceftazidime (bulk)
ceftazidime in dextrose 5% and water	ceftazidime in D5W
ceftazidime sodium in iso-osmotic dextrose	Fortaz in dextrose 5 %
ceftazidime/avibactam sodium	Avycaz
ceftibuten	Cedax
ceftibuten	ceftibuten
ceftolozane sulfate/tazobactam sodium	Zerbaxa
ceftriaxone sodium	ceftriaxone
ceftriaxone sodium	ceftriaxone sodium (bulk)
ceftriaxone sodium	Rocephin
ceftriaxone sodium in iso-osmotic dextrose	ceftriaxone in dextrose,iso-os
cefuroxime axetil	cefuroxime axetil
cefuroxime axetil	Ceftin
cefuroxime sodium	cefuroxime sodium
cefuroxime sodium	Zinacef

Appendix G. Generic and Brand Names of Medical Products to Identify the Comparator

Generic Name	Brand Name
cefuroxime sodium/water for injection,sterile	Zinacef in Sterile Water
cephalexin	cephalexin
cephalexin	Keflex
cephalexin	Daxbia

Appendix H. List of Current Procedural Terminology Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Identify the Comparator

Code	Description	Code Type	Category
Cephalosporins			
4041F	Documentation of order for cefazolin OR cefuroxime for antimicrobial prophylaxis (PERI 2)	CPT-2	Procedure
J0690	Injection, cefazolin sodium, 500 mg	HCPCS	Procedure
J0692	Injection, cefepime HCl, 500 mg	HCPCS	Procedure
J0698	Injection, cefotaxime sodium, per g	HCPCS	Procedure
S0074	Injection, cefotetan disodium, 500 mg	HCPCS	Procedure
J0694	Injection, ceftiofur sodium, 1 g	HCPCS	Procedure
J0712	Injection, ceftaroline fosamil, 10 mg	HCPCS	Procedure
C9452	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS	Procedure
J0695	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS	Procedure
J0696	Injection, ceftriaxone sodium, per 250 mg	HCPCS	Procedure
J0697	Injection, sterile cefuroxime sodium, per 750 mg	HCPCS	Procedure

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
P05_P08	P05grp	P05ngrp	P05nngrp	P05nnngrp	P05	Disorders of newborn related to slow fetal growth and fetal malnutrition	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P050ngrp	P050nngrp	P05.0	Newborn light for gestational age	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0500grp	P0500ngrp	P05.00	Newborn light for gestational age, unspecified weight	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0501grp	P0501ngrp	P05.01	Newborn light for gestational age, less than 500 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0502grp	P0502ngrp	P05.02	Newborn light for gestational age, 500-749 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0503grp	P0503ngrp	P05.03	Newborn light for gestational age, 750-999 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0504grp	P0504ngrp	P05.04	Newborn light for gestational age, 1000-1249 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0505grp	P0505ngrp	P05.05	Newborn light for gestational age, 1250-1499 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0506grp	P0506ngrp	P05.06	Newborn light for gestational age, 1500-1749 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0507grp	P0507ngrp	P05.07	Newborn light for gestational age, 1750-1999 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0508grp	P0508ngrp	P05.08	Newborn light for gestational age, 2000-2499 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P050grp	P0509grp	P0509ngrp	P05.09	Newborn light for gestational age, 2500 grams and over	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P051ngrp	P051nngrp	P05.1	Newborn small for gestational age	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0510grp	P0510ngrp	P05.10	Newborn small for gestational age, unspecified weight	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0511grp	P0511ngrp	P05.11	Newborn small for gestational age, less than 500 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0512grp	P0512ngrp	P05.12	Newborn small for gestational age, 500-749 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0513grp	P0513ngrp	P05.13	Newborn small for gestational age, 750-999 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0514grp	P0514ngrp	P05.14	Newborn small for gestational age, 1000-1249 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0515grp	P0515ngrp	P05.15	Newborn small for gestational age, 1250-1499 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0516grp	P0516ngrp	P05.16	Newborn small for gestational age, 1500-1749 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0517grp	P0517ngrp	P05.17	Newborn small for gestational age, 1750-1999 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0518grp	P0518ngrp	P05.18	Newborn small for gestational age, 2000-2499 grams	ICD-10-CM	Diagnosis
P05_P08	P05grp	P051grp	P0519grp	P0519ngrp	P05.19	Newborn small for gestational age, other	ICD-10-CM	Diagnosis
P05_P08	P05grp	P052grp	P052ngrp	P052nngrp	P05.2	Newborn affected by fetal (intrauterine) malnutrition not light or small for gestational age	ICD-10-CM	Diagnosis
P05_P08	P05grp	P059grp	P059ngrp	P059nngrp	P05.9	Newborn affected by slow intrauterine growth, unspecified	ICD-10-CM	Diagnosis
P05_P08	P07grp	P07ngrp	P07nngrp	P07nnngrp	P07	Disorders of newborn related to short gestation and low birth weight, not elsewhere classified	ICD-10-CM	Diagnosis
P05_P08	P07grp	P070grp	P070ngrp	P070nngrp	P07.0	Extremely low birth weight newborn	ICD-10-CM	Diagnosis
P05_P08	P07grp	P070grp	P0700grp	P0700ngrp	P07.00	Extremely low birth weight newborn, unspecified weight	ICD-10-CM	Diagnosis
P05_P08	P07grp	P070grp	P0701grp	P0701ngrp	P07.01	Extremely low birth weight newborn, less than 500 grams	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
P05_P08	P07grp	P070grp	P0702grp	P0702ngrp	P07.02	Extremely low birth weight newborn, 500-749 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P070grp	P0703grp	P0703ngrp	P07.03	Extremely low birth weight newborn, 750-999 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P071ngrp	P071nngrp	P07.1	Other low birth weight newborn	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0710grp	P0710ngrp	P07.10	Other low birth weight newborn, unspecified weight	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0714grp	P0714ngrp	P07.14	Other low birth weight newborn, 1000-1249 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0715grp	P0715ngrp	P07.15	Other low birth weight newborn, 1250-1499 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0716grp	P0716ngrp	P07.16	Other low birth weight newborn, 1500-1749 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0717grp	P0717ngrp	P07.17	Other low birth weight newborn, 1750-1999 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P071grp	P0718grp	P0718ngrp	P07.18	Other low birth weight newborn, 2000-2499 grams	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P072ngrp	P072nngrp	P07.2	Extreme immaturity of newborn	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0720grp	P0720ngrp	P07.20	Extreme immaturity of newborn, unspecified weeks of gestation	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0721grp	P0721ngrp	P07.21	Extreme immaturity of newborn, gestational age less than 23 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0722grp	P0722ngrp	P07.22	Extreme immaturity of newborn, gestational age 23 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0723grp	P0723ngrp	P07.23	Extreme immaturity of newborn, gestational age 24 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0724grp	P0724ngrp	P07.24	Extreme immaturity of newborn, gestational age 25 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0725grp	P0725ngrp	P07.25	Extreme immaturity of newborn, gestational age 26 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P072grp	P0726grp	P0726ngrp	P07.26	Extreme immaturity of newborn, gestational age 27 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P073ngrp	P073nngrp	P07.3	Preterm [premature] newborn [other]	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0730grp	P0730ngrp	P07.30	Preterm newborn, unspecified weeks of gestation	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0731grp	P0731ngrp	P07.31	Preterm newborn, gestational age 28 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0732grp	P0732ngrp	P07.32	Preterm newborn, gestational age 29 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0733grp	P0733ngrp	P07.33	Preterm newborn, gestational age 30 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0734grp	P0734ngrp	P07.34	Preterm newborn, gestational age 31 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0735grp	P0735ngrp	P07.35	Preterm newborn, gestational age 32 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0736grp	P0736ngrp	P07.36	Preterm newborn, gestational age 33 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0737grp	P0737ngrp	P07.37	Preterm newborn, gestational age 34 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0738grp	P0738ngrp	P07.38	Preterm newborn, gestational age 35 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P07grp	P073grp	P0739grp	P0739ngrp	P07.39	Preterm newborn, gestational age 36 completed weeks	ICD-10-CM	Diagnosis
P05_P08	P08grp	P08ngrp	P08nngrp	P08nnngrp	P08	Disorders of newborn related to long gestation and high birth weight	ICD-10-CM	Diagnosis
P05_P08	P08grp	P080grp	P080ngrp	P080nngrp	P08.0	Exceptionally large newborn baby	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
P05_P08	P08grp	P081grp	P081ngrp	P081nngrp	P08.1	Other heavy for gestational age newborn	ICD-10-CM	Diagnosis
P05_P08	P08grp	P082grp	P082ngrp	P082nngrp	P08.2	Late newborn, not heavy for gestational age	ICD-10-CM	Diagnosis
P05_P08	P08grp	P082grp	P0821grp	P0821ngrp	P08.21	Post-term newborn	ICD-10-CM	Diagnosis
P05_P08	P08grp	P082grp	P0822grp	P0822ngrp	P08.22	Prolonged gestation of newborn	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q00grp	Q00ngrp	Q00nngrp	Q00	Anencephaly and similar malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q00grp	Q000grp	Q000ngrp	Q00.0	Anencephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q00grp	Q001grp	Q001ngrp	Q00.1	Craniorachischisis	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q00grp	Q002grp	Q002ngrp	Q00.2	Iniencephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q01ngrp	Q01nngrp	Q01	Encephalocele	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q010grp	Q010ngrp	Q01.0	Frontal encephalocele	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q011grp	Q011ngrp	Q01.1	Nasofrontal encephalocele	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q012grp	Q012ngrp	Q01.2	Occipital encephalocele	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q018grp	Q018ngrp	Q01.8	Encephalocele of other sites	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q01grp	Q019grp	Q019ngrp	Q01.9	Encephalocele, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q02grp	Q02ngrp	Q02nngrp	Q02	Microcephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q03grp	Q03ngrp	Q03nngrp	Q03	Congenital hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q03grp	Q030grp	Q030ngrp	Q03.0	Malformations of aqueduct of Sylvius	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q03grp	Q031grp	Q031ngrp	Q03.1	Atresia of foramina of Magendie and Luschka	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q03grp	Q038grp	Q038ngrp	Q03.8	Other congenital hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q03grp	Q039grp	Q039ngrp	Q03.9	Congenital hydrocephalus, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q04ngrp	Q04nngrp	Q04	Other congenital malformations of brain	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q040grp	Q040ngrp	Q04.0	Congenital malformations of corpus callosum	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q041grp	Q041ngrp	Q04.1	Arhinencephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q042grp	Q042ngrp	Q04.2	Holoprosencephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q043grp	Q043ngrp	Q04.3	Other reduction deformities of brain	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q044grp	Q044ngrp	Q04.4	Septo-optic dysplasia of brain	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q045grp	Q045ngrp	Q04.5	Megalencephaly	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q046grp	Q046ngrp	Q04.6	Congenital cerebral cysts	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q048grp	Q048ngrp	Q04.8	Other specified congenital malformations of brain	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q04grp	Q049grp	Q049ngrp	Q04.9	Congenital malformation of brain, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q05ngrp	Q05nngrp	Q05	Spina bifida	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q00_Q07	Q05grp	Q050grp	Q050ngrp	Q05.0	Cervical spina bifida with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q051grp	Q051ngrp	Q05.1	Thoracic spina bifida with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q052grp	Q052ngrp	Q05.2	Lumbar spina bifida with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q053grp	Q053ngrp	Q05.3	Sacral spina bifida with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q054grp	Q054ngrp	Q05.4	Unspecified spina bifida with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q055grp	Q055ngrp	Q05.5	Cervical spina bifida without hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q056grp	Q056ngrp	Q05.6	Thoracic spina bifida without hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q057grp	Q057ngrp	Q05.7	Lumbar spina bifida without hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q058grp	Q058ngrp	Q05.8	Sacral spina bifida without hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q05grp	Q059grp	Q059ngrp	Q05.9	Spina bifida, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q06ngrp	Q06nngrp	Q06	Other congenital malformations of spinal cord	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q060grp	Q060ngrp	Q06.0	Amyelia	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q061grp	Q061ngrp	Q06.1	Hypoplasia and dysplasia of spinal cord	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q062grp	Q062ngrp	Q06.2	Diastematomyelia	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q063grp	Q063ngrp	Q06.3	Other congenital cauda equina malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q064grp	Q064ngrp	Q06.4	Hydromyelia	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q068grp	Q068ngrp	Q06.8	Other specified congenital malformations of spinal cord	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q06grp	Q069grp	Q069ngrp	Q06.9	Congenital malformation of spinal cord, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q07ngrp	Q07nngrp	Q07	Other congenital malformations of nervous system	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q070grp	Q070ngrp	Q07.0	Arnold-Chiari syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q070grp	Q0700grp	Q07.00	Arnold-Chiari syndrome without spina bifida or hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q070grp	Q0701grp	Q07.01	Arnold-Chiari syndrome with spina bifida	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q070grp	Q0702grp	Q07.02	Arnold-Chiari syndrome with hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q070grp	Q0703grp	Q07.03	Arnold-Chiari syndrome with spina bifida and hydrocephalus	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q078grp	Q078ngrp	Q07.8	Other specified congenital malformations of nervous system	ICD-10-CM	Diagnosis
Q00_Q99	Q00_Q07	Q07grp	Q079grp	Q079ngrp	Q07.9	Congenital malformation of nervous system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q10grp	Q10ngrp	Q10nngrp	Q10	Congenital malformations of eyelid, lacrimal apparatus and orbit	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q10grp	Q100grp	Q100ngrp	Q10.0	Congenital ptosis	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q10grp	Q104grp	Q104ngrp	Q10.4	Absence and agenesis of lacrimal apparatus	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q10grp	Q106grp	Q106ngrp	Q10.6	Other congenital malformations of lacrimal apparatus	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q10grp	Q107grp	Q107ngrp	Q10.7	Congenital malformation of orbit	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q10_Q18	Q11grp	Q11ngrp	Q11nngp	Q11	Anophthalmos, microphthalmos and macrophthalmos	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q11grp	Q110grp	Q110ngp	Q11.0	Cystic eyeball	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q11grp	Q111grp	Q111ngp	Q11.1	Other anophthalmos	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q11grp	Q112grp	Q112ngp	Q11.2	Microphthalmos	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q11grp	Q113grp	Q113ngp	Q11.3	Macrophthalmos	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q12ngrp	Q12nngp	Q12	Congenital lens malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q120grp	Q120ngp	Q12.0	Congenital cataract	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q121grp	Q121ngp	Q12.1	Congenital displaced lens	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q122grp	Q122ngp	Q12.2	Coloboma of lens	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q123grp	Q123ngp	Q12.3	Congenital aphakia	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q124grp	Q124ngp	Q12.4	Spherophakia	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q128grp	Q128ngp	Q12.8	Other congenital lens malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q12grp	Q129grp	Q129ngp	Q12.9	Congenital lens malformation, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q13ngrp	Q13nngp	Q13	Congenital malformations of anterior segment of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q131grp	Q131ngp	Q13.1	Absence of iris	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q133grp	Q133ngp	Q13.3	Congenital corneal opacity	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q134grp	Q134ngp	Q13.4	Other congenital corneal malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q138grp	Q138ngp	Q13.8	Other congenital malformations of anterior segment of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q138grp	Q1381grp	Q13.81	Rieger's anomaly	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q138grp	Q1389grp	Q13.89	Other congenital malformations of anterior segment of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q13grp	Q139grp	Q139ngp	Q13.9	Congenital malformation of anterior segment of eye, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q14ngrp	Q14nngp	Q14	Congenital malformations of posterior segment of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q140grp	Q140ngp	Q14.0	Congenital malformation of vitreous humor	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q141grp	Q141ngp	Q14.1	Congenital malformation of retina	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q142grp	Q142ngp	Q14.2	Congenital malformation of optic disc	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q143grp	Q143ngp	Q14.3	Congenital malformation of choroid	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q148grp	Q148ngp	Q14.8	Other congenital malformations of posterior segment of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q14grp	Q149grp	Q149ngp	Q14.9	Congenital malformation of posterior segment of eye, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q15grp	Q15ngrp	Q15nngp	Q15	Other congenital malformations of eye	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q15grp	Q150grp	Q150ngp	Q15.0	Congenital glaucoma	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q15grp	Q159grp	Q159ngp	Q15.9	Congenital malformation of eye, unspecified	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q10_Q18	Q16grp	Q16ngrp	Q16nngrp	Q16	Congenital malformations of ear causing impairment of hearing	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q160grp	Q160ngrp	Q16.0	Congenital absence of (ear) auricle	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q161grp	Q161ngrp	Q16.1	Congenital absence, atresia and stricture of auditory canal (external)	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q162grp	Q162ngrp	Q16.2	Absence of eustachian tube	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q163grp	Q163ngrp	Q16.3	Congenital malformation of ear ossicles	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q164grp	Q164ngrp	Q16.4	Other congenital malformations of middle ear	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q165grp	Q165ngrp	Q16.5	Congenital malformation of inner ear	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q16grp	Q169grp	Q169ngrp	Q16.9	Congenital malformation of ear causing impairment of hearing, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q17grp	Q17ngrp	Q17nngrp	Q17	Other congenital malformations of ear	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q17grp	Q172grp	Q172ngrp	Q17.2	Microtia	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q17grp	Q179grp	Q179ngrp	Q17.9	Congenital malformation of ear, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q18grp	Q18ngrp	Q18nngrp	Q18	Other congenital malformations of face and neck	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q18grp	Q182grp	Q182ngrp	Q18.2	Other branchial cleft malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q18grp	Q187grp	Q187ngrp	Q18.7	Microcheilia	ICD-10-CM	Diagnosis
Q00_Q99	Q10_Q18	Q18grp	Q189grp	Q189ngrp	Q18.9	Congenital malformation of face and neck, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q20ngrp	Q20nngrp	Q20	Congenital malformations of cardiac chambers and connections	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q200grp	Q200ngrp	Q20.0	Common arterial trunk	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q201grp	Q201ngrp	Q20.1	Double outlet right ventricle	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q202grp	Q202ngrp	Q20.2	Double outlet left ventricle	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q203grp	Q203ngrp	Q20.3	Discordant ventriculoarterial connection	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q204grp	Q204ngrp	Q20.4	Double inlet ventricle	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q205grp	Q205ngrp	Q20.5	Discordant atrioventricular connection	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q206grp	Q206ngrp	Q20.6	Isomerism of atrial appendages	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q208grp	Q208ngrp	Q20.8	Other congenital malformations of cardiac chambers and connections	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q20grp	Q209grp	Q209ngrp	Q20.9	Congenital malformation of cardiac chambers and connections, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q21ngrp	Q21nngrp	Q21	Congenital malformations of cardiac septa	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q210grp	Q210ngrp	Q21.0	Ventricular septal defect	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q211grp	Q211ngrp	Q21.1	Atrial septal defect	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q212grp	Q212ngrp	Q21.2	Atrioventricular septal defect	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q20_Q28	Q21grp	Q213grp	Q213ngrp	Q21.3	Tetralogy of Fallot	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q214grp	Q214ngrp	Q21.4	Aortopulmonary septal defect	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q218grp	Q218ngrp	Q21.8	Other congenital malformations of cardiac septa	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q21grp	Q219grp	Q219ngrp	Q21.9	Congenital malformation of cardiac septum, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q22ngrp	Q22nngrp	Q22	Congenital malformations of pulmonary and tricuspid valves	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q220grp	Q220ngrp	Q22.0	Pulmonary valve atresia	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q221grp	Q221ngrp	Q22.1	Congenital pulmonary valve stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q222grp	Q222ngrp	Q22.2	Congenital pulmonary valve insufficiency	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q223grp	Q223ngrp	Q22.3	Other congenital malformations of pulmonary valve	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q224grp	Q224ngrp	Q22.4	Congenital tricuspid stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q225grp	Q225ngrp	Q22.5	Ebstein's anomaly	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q226grp	Q226ngrp	Q22.6	Hypoplastic right heart syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q228grp	Q228ngrp	Q22.8	Other congenital malformations of tricuspid valve	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q22grp	Q229grp	Q229ngrp	Q22.9	Congenital malformation of tricuspid valve, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q23ngrp	Q23nngrp	Q23	Congenital malformations of aortic and mitral valves	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q230grp	Q230ngrp	Q23.0	Congenital stenosis of aortic valve	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q231grp	Q231ngrp	Q23.1	Congenital insufficiency of aortic valve	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q232grp	Q232ngrp	Q23.2	Congenital mitral stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q233grp	Q233ngrp	Q23.3	Congenital mitral insufficiency	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q234grp	Q234ngrp	Q23.4	Hypoplastic left heart syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q238grp	Q238ngrp	Q23.8	Other congenital malformations of aortic and mitral valves	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q23grp	Q239grp	Q239ngrp	Q23.9	Congenital malformation of aortic and mitral valves, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q24ngrp	Q24nngrp	Q24	Other congenital malformations of heart	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q240grp	Q240ngrp	Q24.0	Dextrocardia	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q241grp	Q241ngrp	Q24.1	Levocardia	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q242grp	Q242ngrp	Q24.2	Cor triatriatum	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q243grp	Q243ngrp	Q24.3	Pulmonary infundibular stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q244grp	Q244ngrp	Q24.4	Congenital subaortic stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q245grp	Q245ngrp	Q24.5	Malformation of coronary vessels	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q246grp	Q246ngrp	Q24.6	Congenital heart block	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q24grp	Q248grp	Q248ngrp	Q24.8	Other specified congenital malformations of heart	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q20_Q28	Q24grp	Q249grp	Q249ngrp	Q24.9	Congenital malformation of heart, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q25ngrp	Q25nngp	Q25	Congenital malformations of great arteries	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q250grp	Q250ngrp	Q25.0	Patent ductus arteriosus	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q251grp	Q251ngrp	Q25.1	Coarctation of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q252grp	Q252ngrp	Q25.2	Atresia of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q252grp	Q2521grp	Q25.21	Interruption of aortic arch	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q252grp	Q2529grp	Q25.29	Other atresia of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q253grp	Q253ngrp	Q25.3	Supravalvular aortic stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q254ngrp	Q25.4	Other congenital malformations of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2540grp	Q25.40	Congenital malformation of aorta unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2541grp	Q25.41	Absence and aplasia of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2542grp	Q25.42	Hypoplasia of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2543grp	Q25.43	Congenital aneurysm of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2544grp	Q25.44	Congenital dilation of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2545grp	Q25.45	Double aortic arch	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2546grp	Q25.46	Tortuous aortic arch	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2547grp	Q25.47	Right aortic arch	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2548grp	Q25.48	Anomalous origin of subclavian artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q254grp	Q2549grp	Q25.49	Other congenital malformations of aorta	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q255grp	Q255ngrp	Q25.5	Atresia of pulmonary artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q256grp	Q256ngrp	Q25.6	Stenosis of pulmonary artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q257grp	Q257ngrp	Q25.7	Other congenital malformations of pulmonary artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q257grp	Q2571grp	Q25.71	Coarctation of pulmonary artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q257grp	Q2572grp	Q25.72	Congenital pulmonary arteriovenous malformation	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q257grp	Q2579grp	Q25.79	Other congenital malformations of pulmonary artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q258grp	Q258ngrp	Q25.8	Other congenital malformations of other great arteries	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q25grp	Q259grp	Q259ngrp	Q25.9	Congenital malformation of great arteries, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q26ngrp	Q26nngp	Q26	Congenital malformations of great veins	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q260grp	Q260ngrp	Q26.0	Congenital stenosis of vena cava	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q261grp	Q261ngrp	Q26.1	Persistent left superior vena cava	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q262grp	Q262ngrp	Q26.2	Total anomalous pulmonary venous connection	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q20_Q28	Q26grp	Q263grp	Q263ngrp	Q26.3	Partial anomalous pulmonary venous connection	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q264grp	Q264ngrp	Q26.4	Anomalous pulmonary venous connection, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q265grp	Q265ngrp	Q26.5	Anomalous portal venous connection	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q266grp	Q266ngrp	Q26.6	Portal vein-hepatic artery fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q268grp	Q268ngrp	Q26.8	Other congenital malformations of great veins	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q26grp	Q269grp	Q269ngrp	Q26.9	Congenital malformation of great vein, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q27ngrp	Q27nngrp	Q27	Other congenital malformations of peripheral vascular system	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q271grp	Q271ngrp	Q27.1	Congenital renal artery stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q272grp	Q272ngrp	Q27.2	Other congenital malformations of renal artery	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q273ngrp	Q27.3	Arteriovenous malformation (peripheral)	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2730grp	Q27.30	Arteriovenous malformation, site unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2731grp	Q27.31	Arteriovenous malformation of vessel of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2732grp	Q27.32	Arteriovenous malformation of vessel of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2733grp	Q27.33	Arteriovenous malformation of digestive system vessel	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2734grp	Q27.34	Arteriovenous malformation of renal vessel	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q273grp	Q2739grp	Q27.39	Arteriovenous malformation, other site	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q274grp	Q274ngrp	Q27.4	Congenital phlebectasia	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q278grp	Q278ngrp	Q27.8	Other specified congenital malformations of peripheral vascular system	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q27grp	Q279grp	Q279ngrp	Q27.9	Congenital malformation of peripheral vascular system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q28ngrp	Q28nngrp	Q28	Other congenital malformations of circulatory system	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q280grp	Q280ngrp	Q28.0	Arteriovenous malformation of precerebral vessels	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q281grp	Q281ngrp	Q28.1	Other malformations of precerebral vessels	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q282grp	Q282ngrp	Q28.2	Arteriovenous malformation of cerebral vessels	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q283grp	Q283ngrp	Q28.3	Other malformations of cerebral vessels	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q288grp	Q288ngrp	Q28.8	Other specified congenital malformations of circulatory system	ICD-10-CM	Diagnosis
Q00_Q99	Q20_Q28	Q28grp	Q289grp	Q289ngrp	Q28.9	Congenital malformation of circulatory system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q30grp	Q30ngrp	Q30nngrp	Q30	Congenital malformations of nose	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q30grp	Q300grp	Q300ngrp	Q30.0	Choanal atresia	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q30grp	Q301grp	Q301ngrp	Q30.1	Agenesis and underdevelopment of nose	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q30grp	Q303grp	Q303ngrp	Q30.3	Congenital perforated nasal septum	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q30grp	Q309grp	Q309ngrp	Q30.9	Congenital malformation of nose, unspecified	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q30_Q34	Q31grp	Q31ngrp	Q31nngp	Q31	Congenital malformations of larynx	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q310grp	Q310ngp	Q31.0	Web of larynx	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q311grp	Q311ngp	Q31.1	Congenital subglottic stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q312grp	Q312ngp	Q31.2	Laryngeal hypoplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q313grp	Q313ngp	Q31.3	Laryngocele	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q315grp	Q315ngp	Q31.5	Congenital laryngomalacia	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q318grp	Q318ngp	Q31.8	Other congenital malformations of larynx	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q31grp	Q319grp	Q319ngp	Q31.9	Congenital malformation of larynx, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q32ngrp	Q32nngp	Q32	Congenital malformations of trachea and bronchus	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q320grp	Q320ngp	Q32.0	Congenital tracheomalacia	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q321grp	Q321ngp	Q32.1	Other congenital malformations of trachea	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q322grp	Q322ngp	Q32.2	Congenital bronchomalacia	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q323grp	Q323ngp	Q32.3	Congenital stenosis of bronchus	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q32grp	Q324grp	Q324ngp	Q32.4	Other congenital malformations of bronchus	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q33ngrp	Q33nngp	Q33	Congenital malformations of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q330grp	Q330ngp	Q33.0	Congenital cystic lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q331grp	Q331ngp	Q33.1	Accessory lobe of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q332grp	Q332ngp	Q33.2	Sequestration of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q333grp	Q333ngp	Q33.3	Agenesis of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q334grp	Q334ngp	Q33.4	Congenital bronchiectasis	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q335grp	Q335ngp	Q33.5	Ectopic tissue in lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q336grp	Q336ngp	Q33.6	Congenital hypoplasia and dysplasia of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q338grp	Q338ngp	Q33.8	Other congenital malformations of lung	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q33grp	Q339grp	Q339ngp	Q33.9	Congenital malformation of lung, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q34grp	Q34ngrp	Q34nngp	Q34	Other congenital malformations of respiratory system	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q34grp	Q340grp	Q340ngp	Q34.0	Anomaly of pleura	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q34grp	Q341grp	Q341ngp	Q34.1	Congenital cyst of mediastinum	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q34grp	Q348grp	Q348ngp	Q34.8	Other specified congenital malformations of respiratory system	ICD-10-CM	Diagnosis
Q00_Q99	Q30_Q34	Q34grp	Q349grp	Q349ngp	Q34.9	Congenital malformation of respiratory system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q35grp	Q35ngrp	Q35nngp	Q35	Cleft palate	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q35grp	Q351grp	Q351ngp	Q35.1	Cleft hard palate	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q35_Q37	Q35grp	Q353grp	Q353ngrp	Q35.3	Cleft soft palate	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q35grp	Q355grp	Q355ngrp	Q35.5	Cleft hard palate with cleft soft palate	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q35grp	Q359grp	Q359ngrp	Q35.9	Cleft palate, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q36grp	Q36ngrp	Q36ngrp	Q36	Cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q36grp	Q360grp	Q360ngrp	Q36.0	Cleft lip, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q36grp	Q361grp	Q361ngrp	Q36.1	Cleft lip, median	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q36grp	Q369grp	Q369ngrp	Q36.9	Cleft lip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q37ngrp	Q37ngrp	Q37	Cleft palate with cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q370grp	Q370ngrp	Q37.0	Cleft hard palate with bilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q371grp	Q371ngrp	Q37.1	Cleft hard palate with unilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q372grp	Q372ngrp	Q37.2	Cleft soft palate with bilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q373grp	Q373ngrp	Q37.3	Cleft soft palate with unilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q374grp	Q374ngrp	Q37.4	Cleft hard and soft palate with bilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q375grp	Q375ngrp	Q37.5	Cleft hard and soft palate with unilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q378grp	Q378ngrp	Q37.8	Unspecified cleft palate with bilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q35_Q37	Q37grp	Q379grp	Q379ngrp	Q37.9	Unspecified cleft palate with unilateral cleft lip	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q38grp	Q38ngrp	Q38ngrp	Q38	Other congenital malformations of tongue, mouth and pharynx	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q38grp	Q380grp	Q380ngrp	Q38.0	Congenital malformations of lips, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q38grp	Q387grp	Q387ngrp	Q38.7	Congenital pharyngeal pouch	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q38grp	Q388grp	Q388ngrp	Q38.8	Other congenital malformations of pharynx	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q39ngrp	Q39ngrp	Q39	Congenital malformations of esophagus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q390grp	Q390ngrp	Q39.0	Atresia of esophagus without fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q391grp	Q391ngrp	Q39.1	Atresia of esophagus with tracheo-esophageal fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q392grp	Q392ngrp	Q39.2	Congenital tracheo-esophageal fistula without atresia	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q393grp	Q393ngrp	Q39.3	Congenital stenosis and stricture of esophagus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q394grp	Q394ngrp	Q39.4	Esophageal web	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q395grp	Q395ngrp	Q39.5	Congenital dilatation of esophagus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q396grp	Q396ngrp	Q39.6	Congenital diverticulum of esophagus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q398grp	Q398ngrp	Q39.8	Other congenital malformations of esophagus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q39grp	Q399grp	Q399ngrp	Q39.9	Congenital malformation of esophagus, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q40ngrp	Q40ngrp	Q40	Other congenital malformations of upper alimentary tract	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q38_Q45	Q40grp	Q400grp	Q400ngrp	Q40.0	Congenital hypertrophic pyloric stenosis	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q401grp	Q401ngrp	Q40.1	Congenital hiatus hernia	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q402grp	Q402ngrp	Q40.2	Other specified congenital malformations of stomach	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q403grp	Q403ngrp	Q40.3	Congenital malformation of stomach, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q408grp	Q408ngrp	Q40.8	Other specified congenital malformations of upper alimentary tract	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q40grp	Q409grp	Q409ngrp	Q40.9	Congenital malformation of upper alimentary tract, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q41ngrp	Q41nngrp	Q41	Congenital absence, atresia and stenosis of small intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q410grp	Q410ngrp	Q41.0	Congenital absence, atresia and stenosis of duodenum	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q411grp	Q411ngrp	Q41.1	Congenital absence, atresia and stenosis of jejunum	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q412grp	Q412ngrp	Q41.2	Congenital absence, atresia and stenosis of ileum	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q418grp	Q418ngrp	Q41.8	Congenital absence, atresia and stenosis of other specified parts of small intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q41grp	Q419grp	Q419ngrp	Q41.9	Congenital absence, atresia and stenosis of small intestine, part unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q42ngrp	Q42nngrp	Q42	Congenital absence, atresia and stenosis of large intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q420grp	Q420ngrp	Q42.0	Congenital absence, atresia and stenosis of rectum with fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q421grp	Q421ngrp	Q42.1	Congenital absence, atresia and stenosis of rectum without fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q422grp	Q422ngrp	Q42.2	Congenital absence, atresia and stenosis of anus with fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q423grp	Q423ngrp	Q42.3	Congenital absence, atresia and stenosis of anus without fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q428grp	Q428ngrp	Q42.8	Congenital absence, atresia and stenosis of other parts of large intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q42grp	Q429grp	Q429ngrp	Q42.9	Congenital absence, atresia and stenosis of large intestine, part unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q43ngrp	Q43nngrp	Q43	Other congenital malformations of intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q430grp	Q430ngrp	Q43.0	Meckel's diverticulum (displaced) (hypertrophic)	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q431grp	Q431ngrp	Q43.1	Hirschsprung's disease	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q432grp	Q432ngrp	Q43.2	Other congenital functional disorders of colon	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q433grp	Q433ngrp	Q43.3	Congenital malformations of intestinal fixation	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q434grp	Q434ngrp	Q43.4	Duplication of intestine	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q436grp	Q436ngrp	Q43.6	Congenital fistula of rectum and anus	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q437grp	Q437ngrp	Q43.7	Persistent cloaca	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q43grp	Q438grp	Q438ngrp	Q43.8	Other specified congenital malformations of intestine	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q38_Q45	Q43grp	Q439grp	Q439ngrp	Q43.9	Congenital malformation of intestine, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q44ngrp	Q44nngp	Q44	Congenital malformations of gallbladder, bile ducts and liver	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q440grp	Q440ngrp	Q44.0	Agenesis, aplasia and hypoplasia of gallbladder	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q441grp	Q441ngrp	Q44.1	Other congenital malformations of gallbladder	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q442grp	Q442ngrp	Q44.2	Atresia of bile ducts	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q443grp	Q443ngrp	Q44.3	Congenital stenosis and stricture of bile ducts	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q444grp	Q444ngrp	Q44.4	Choledochal cyst	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q445grp	Q445ngrp	Q44.5	Other congenital malformations of bile ducts	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q446grp	Q446ngrp	Q44.6	Cystic disease of liver	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q44grp	Q447grp	Q447ngrp	Q44.7	Other congenital malformations of liver	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q45ngrp	Q45nngp	Q45	Other congenital malformations of digestive system	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q450grp	Q450ngrp	Q45.0	Agenesis, aplasia and hypoplasia of pancreas	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q451grp	Q451ngrp	Q45.1	Annular pancreas	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q452grp	Q452ngrp	Q45.2	Congenital pancreatic cyst	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q453grp	Q453ngrp	Q45.3	Other congenital malformations of pancreas and pancreatic duct	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q458grp	Q458ngrp	Q45.8	Other specified congenital malformations of digestive system	ICD-10-CM	Diagnosis
Q00_Q99	Q38_Q45	Q45grp	Q459grp	Q459ngrp	Q45.9	Congenital malformation of digestive system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q50ngrp	Q50nngp	Q50	Congenital malformations of ovaries, fallopian tubes and broad ligaments	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q500grp	Q500ngrp	Q50.0	Congenital absence of ovary	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q500grp	Q5001grp	Q50.01	Congenital absence of ovary, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q500grp	Q5002grp	Q50.02	Congenital absence of ovary, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q501grp	Q501ngrp	Q50.1	Developmental ovarian cyst	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q502grp	Q502ngrp	Q50.2	Congenital torsion of ovary	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q503grp	Q503ngrp	Q50.3	Other congenital malformations of ovary	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q503grp	Q5031grp	Q50.31	Accessory ovary	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q503grp	Q5032grp	Q50.32	Ovarian streak	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q503grp	Q5039grp	Q50.39	Other congenital malformation of ovary	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q504grp	Q504ngrp	Q50.4	Embryonic cyst of fallopian tube	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q505grp	Q505ngrp	Q50.5	Embryonic cyst of broad ligament	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q50grp	Q506grp	Q506ngrp	Q50.6	Other congenital malformations of fallopian tube and broad ligament	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q50_Q56	Q51grp	Q51ngrp	Q51nngrp	Q51	Congenital malformations of uterus and cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q510grp	Q510ngrp	Q51.0	Agenesis and aplasia of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q511grp	Q511ngrp	Q51.1	Doubling of uterus with doubling of cervix and vagina	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q511grp	Q5110grp	Q51.10	Doubling of uterus with doubling of cervix and vagina without obstruction	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q511grp	Q5111grp	Q51.11	Doubling of uterus with doubling of cervix and vagina with obstruction	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q512grp	Q512ngrp	Q51.2	Other doubling of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q512grp	Q5120grp	Q51.20	Other doubling of uterus, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q512grp	Q5121grp	Q51.21	Other complete doubling of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q512grp	Q5122grp	Q51.22	Other partial doubling of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q512grp	Q5128grp	Q51.28	Other doubling of uterus, other specified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q513grp	Q513ngrp	Q51.3	Bicornate uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q514grp	Q514ngrp	Q51.4	Unicornate uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q515grp	Q515ngrp	Q51.5	Agenesis and aplasia of cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q516grp	Q516ngrp	Q51.6	Embryonic cyst of cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q517grp	Q517ngrp	Q51.7	Congenital fistulae between uterus and digestive and urinary tracts	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q518ngrp	Q51.8	Other congenital malformations of uterus and cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5181grp	Q51.81	Other congenital malformations of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5181grp	Q51.810	Arcuate uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5181grp	Q51.811	Hypoplasia of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5181grp	Q51.818	Other congenital malformations of uterus	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5182grp	Q51.82	Other congenital malformations of cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5182grp	Q51.820	Cervical duplication	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5182grp	Q51.821	Hypoplasia of cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q518grp	Q5182grp	Q51.828	Other congenital malformations of cervix	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q51grp	Q519grp	Q519ngrp	Q51.9	Congenital malformation of uterus and cervix, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q52ngrp	Q52nngrp	Q52	Other congenital malformations of female genitalia	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q520grp	Q520ngrp	Q52.0	Congenital absence of vagina	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q521ngrp	Q52.1	Doubling of vagina	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5210grp	Q52.10	Doubling of vagina, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5211grp	Q52.11	Transverse vaginal septum	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.12	Longitudinal vaginal septum	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.120	Longitudinal vaginal septum, nonobstructing	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.121	Longitudinal vaginal septum, obstructing, right side	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.122	Longitudinal vaginal septum, obstructing, left side	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.123	Longitudinal vaginal septum, microperforate, right side	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.124	Longitudinal vaginal septum, microperforate, left side	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q521grp	Q5212grp	Q52.129	Other and unspecified longitudinal vaginal septum	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q522grp	Q522ngrp	Q52.2	Congenital rectovaginal fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q527grp	Q527ngrp	Q52.7	Other and unspecified congenital malformations of vulva	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q527grp	Q5270grp	Q52.70	Unspecified congenital malformations of vulva	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q527grp	Q5271grp	Q52.71	Congenital absence of vulva	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q527grp	Q5279grp	Q52.79	Other congenital malformations of vulva	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q52grp	Q529grp	Q529ngrp	Q52.9	Congenital malformation of female genitalia, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q53grp	Q53ngrp	Q53nngp	Q53	Undescended and ectopic testicle	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q53grp	Q530grp	Q530ngrp	Q53.0	Ectopic testis	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q53grp	Q530grp	Q5300grp	Q53.00	Ectopic testis, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q53grp	Q530grp	Q5301grp	Q53.01	Ectopic testis, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q53grp	Q530grp	Q5302grp	Q53.02	Ectopic testes, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q54ngrp	Q54nngp	Q54	Hypospadias	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q540grp	Q540ngrp	Q54.0	Hypospadias, balanic	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q541grp	Q541ngrp	Q54.1	Hypospadias, penile	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q542grp	Q542ngrp	Q54.2	Hypospadias, penoscrotal	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q543grp	Q543ngrp	Q54.3	Hypospadias, perineal	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q548grp	Q548ngrp	Q54.8	Other hypospadias	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q54grp	Q549grp	Q549ngrp	Q54.9	Hypospadias, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q55ngrp	Q55nngp	Q55	Other congenital malformations of male genital organs	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q550grp	Q550ngrp	Q55.0	Absence and aplasia of testis	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q552grp	Q5521grp	Q55.21	Polyorchism	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q552grp	Q5523grp	Q55.23	Scrotal transposition	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q552grp	Q5529grp	Q55.29	Other congenital malformations of testis and scrotum	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q553grp	Q553ngrp	Q55.3	Atresia of vas deferens	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q50_Q56	Q55grp	Q554grp	Q554ngrp	Q55.4	Other congenital malformations of vas deferens, epididymis, seminal vesicles and prostate	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q555grp	Q555ngrp	Q55.5	Congenital absence and aplasia of penis	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q55grp	Q557grp	Q557ngrp	Q55.7	Congenital vasocutaneous fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q56ngrp	Q56nngp	Q56	Indeterminate sex and pseudohermaphroditism	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q560grp	Q560ngrp	Q56.0	Hermaphroditism, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q561grp	Q561ngrp	Q56.1	Male pseudohermaphroditism, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q562grp	Q562ngrp	Q56.2	Female pseudohermaphroditism, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q563grp	Q563ngrp	Q56.3	Pseudohermaphroditism, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q50_Q56	Q56grp	Q564grp	Q564ngrp	Q56.4	Indeterminate sex, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q60ngrp	Q60nngp	Q60	Renal agenesis and other reduction defects of kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q600grp	Q600ngrp	Q60.0	Renal agenesis, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q601grp	Q601ngrp	Q60.1	Renal agenesis, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q602grp	Q602ngrp	Q60.2	Renal agenesis, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q603grp	Q603ngrp	Q60.3	Renal hypoplasia, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q604grp	Q604ngrp	Q60.4	Renal hypoplasia, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q605grp	Q605ngrp	Q60.5	Renal hypoplasia, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q60grp	Q606grp	Q606ngrp	Q60.6	Potter's syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q61ngrp	Q61nngp	Q61	Cystic kidney disease	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q610grp	Q610ngrp	Q61.0	Congenital renal cyst	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q610grp	Q6100grp	Q61.00	Congenital renal cyst, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q610grp	Q6101grp	Q61.01	Congenital single renal cyst	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q610grp	Q6102grp	Q61.02	Congenital multiple renal cysts	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q611grp	Q611ngrp	Q61.1	Polycystic kidney, infantile type	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q611grp	Q6111grp	Q61.11	Cystic dilatation of collecting ducts	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q611grp	Q6119grp	Q61.19	Other polycystic kidney, infantile type	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q612grp	Q612ngrp	Q61.2	Polycystic kidney, adult type	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q613grp	Q613ngrp	Q61.3	Polycystic kidney, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q614grp	Q614ngrp	Q61.4	Renal dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q615grp	Q615ngrp	Q61.5	Medullary cystic kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q61grp	Q618grp	Q618ngrp	Q61.8	Other cystic kidney diseases	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q60_Q64	Q61grp	Q619grp	Q619ngrp	Q61.9	Cystic kidney disease, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q62ngrp	Q62nngrp	Q62	Congenital obstructive defects of renal pelvis and congenital malformations of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q620grp	Q620ngrp	Q62.0	Congenital hydronephrosis	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q621grp	Q621ngrp	Q62.1	Congenital occlusion of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q621grp	Q6210grp	Q62.10	Congenital occlusion of ureter, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q621grp	Q6211grp	Q62.11	Congenital occlusion of ureteropelvic junction	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q621grp	Q6212grp	Q62.12	Congenital occlusion of ureterovesical orifice	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q622grp	Q622ngrp	Q62.2	Congenital megaureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q623grp	Q623ngrp	Q62.3	Other obstructive defects of renal pelvis and ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q623grp	Q6231grp	Q62.31	Congenital ureterocele, orthotopic	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q623grp	Q6232grp	Q62.32	Cecoureterocele	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q623grp	Q6239grp	Q62.39	Other obstructive defects of renal pelvis and ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q624grp	Q624ngrp	Q62.4	Agenesis of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q625grp	Q625ngrp	Q62.5	Duplication of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q626ngrp	Q62.6	Malposition of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q6260grp	Q62.60	Malposition of ureter, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q6261grp	Q62.61	Deviation of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q6262grp	Q62.62	Displacement of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q6263grp	Q62.63	Anomalous implantation of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q626grp	Q6269grp	Q62.69	Other malposition of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q627grp	Q627ngrp	Q62.7	Congenital vesico-uretero-renal reflux	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q62grp	Q628grp	Q628ngrp	Q62.8	Other congenital malformations of ureter	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q63ngrp	Q63nngrp	Q63	Other congenital malformations of kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q630grp	Q630ngrp	Q63.0	Accessory kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q631grp	Q631ngrp	Q63.1	Lobulated, fused and horseshoe kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q632grp	Q632ngrp	Q63.2	Ectopic kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q633grp	Q633ngrp	Q63.3	Hyperplastic and giant kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q638grp	Q638ngrp	Q63.8	Other specified congenital malformations of kidney	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q63grp	Q639grp	Q639ngrp	Q63.9	Congenital malformation of kidney, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q64ngrp	Q64nngrp	Q64	Other congenital malformations of urinary system	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q60_Q64	Q64grp	Q640grp	Q640ngrp	Q64.0	Epispadias	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q641grp	Q641ngrp	Q64.1	Exstrophy of urinary bladder	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q641grp	Q6410grp	Q64.10	Exstrophy of urinary bladder, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q641grp	Q6411grp	Q64.11	Supravesical fissure of urinary bladder	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q641grp	Q6412grp	Q64.12	Cloacal exstrophy of urinary bladder	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q641grp	Q6419grp	Q64.19	Other exstrophy of urinary bladder	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q642grp	Q642ngrp	Q64.2	Congenital posterior urethral valves	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q643grp	Q643ngrp	Q64.3	Other atresia and stenosis of urethra and bladder neck	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q643grp	Q6431grp	Q64.31	Congenital bladder neck obstruction	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q643grp	Q6432grp	Q64.32	Congenital stricture of urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q643grp	Q6433grp	Q64.33	Congenital stricture of urinary meatus	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q643grp	Q6439grp	Q64.39	Other atresia and stenosis of urethra and bladder neck	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q644grp	Q644ngrp	Q64.4	Malformation of urachus	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q645grp	Q645ngrp	Q64.5	Congenital absence of bladder and urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q646grp	Q646ngrp	Q64.6	Congenital diverticulum of bladder	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q647ngrp	Q64.7	Other and unspecified congenital malformations of bladder and urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6470grp	Q64.70	Unspecified congenital malformation of bladder and urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6471grp	Q64.71	Congenital prolapse of urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6472grp	Q64.72	Congenital prolapse of urinary meatus	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6473grp	Q64.73	Congenital urethrorectal fistula	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6474grp	Q64.74	Double urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6475grp	Q64.75	Double urinary meatus	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q647grp	Q6479grp	Q64.79	Other congenital malformations of bladder and urethra	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q648grp	Q648ngrp	Q64.8	Other specified congenital malformations of urinary system	ICD-10-CM	Diagnosis
Q00_Q99	Q60_Q64	Q64grp	Q649grp	Q649ngrp	Q64.9	Congenital malformation of urinary system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q65ngrp	Q65nngrp	Q65	Congenital deformities of hip	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q650grp	Q650ngrp	Q65.0	Congenital dislocation of hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q650grp	Q6500grp	Q65.00	Congenital dislocation of unspecified hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q650grp	Q6501grp	Q65.01	Congenital dislocation of right hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q650grp	Q6502grp	Q65.02	Congenital dislocation of left hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q651grp	Q651ngrp	Q65.1	Congenital dislocation of hip, bilateral	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q65grp	Q652grp	Q652ngrp	Q65.2	Congenital dislocation of hip, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q653grp	Q653ngrp	Q65.3	Congenital partial dislocation of hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q653grp	Q6530grp	Q65.30	Congenital partial dislocation of unspecified hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q653grp	Q6531grp	Q65.31	Congenital partial dislocation of right hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q653grp	Q6532grp	Q65.32	Congenital partial dislocation of left hip, unilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q654grp	Q654ngrp	Q65.4	Congenital partial dislocation of hip, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q655grp	Q655ngrp	Q65.5	Congenital partial dislocation of hip, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q656grp	Q656ngrp	Q65.6	Congenital unstable hip	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q658grp	Q658ngrp	Q65.8	Other congenital deformities of hip	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q658grp	Q6581grp	Q65.81	Congenital coxa valga	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q658grp	Q6582grp	Q65.82	Congenital coxa vara	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q658grp	Q6589grp	Q65.89	Other specified congenital deformities of hip	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q65grp	Q659grp	Q659ngrp	Q65.9	Congenital deformity of hip, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q66ngrp	Q66nngrp	Q66	Congenital deformities of feet	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q660grp	Q660ngrp	Q66.0	Congenital talipes equinovarus	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q661grp	Q661ngrp	Q66.1	Congenital talipes calcaneovarus	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q663grp	Q663ngrp	Q66.3	Other congenital varus deformities of feet	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q664grp	Q664ngrp	Q66.4	Congenital talipes calcaneovalgus	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q66grp	Q669grp	Q669ngrp	Q66.9	Congenital deformity of feet, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q67grp	Q67ngrp	Q67nngrp	Q67	Congenital musculoskeletal deformities of head, face, spine and chest	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q67grp	Q675grp	Q675ngrp	Q67.5	Congenital deformity of spine	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q68ngrp	Q68nngrp	Q68	Other congenital musculoskeletal deformities	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q682grp	Q682ngrp	Q68.2	Congenital deformity of knee	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q683grp	Q683ngrp	Q68.3	Congenital bowing of femur	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q684grp	Q684ngrp	Q68.4	Congenital bowing of tibia and fibula	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q685grp	Q685ngrp	Q68.5	Congenital bowing of long bones of leg, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q68grp	Q686grp	Q686ngrp	Q68.6	Discoid meniscus	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q69grp	Q69ngrp	Q69nngrp	Q69	Polydactyly	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q69grp	Q690grp	Q690ngrp	Q69.0	Accessory finger(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q69grp	Q691grp	Q691ngrp	Q69.1	Accessory thumb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q69grp	Q692grp	Q692ngrp	Q69.2	Accessory toe(s)	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q69grp	Q699grp	Q699ngrp	Q69.9	Polydactyly, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q70ngrp	Q70nngp	Q70	Syndactyly	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q700grp	Q700ngrp	Q70.0	Fused fingers	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q700grp	Q7000grp	Q70.00	Fused fingers, unspecified hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q700grp	Q7001grp	Q70.01	Fused fingers, right hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q700grp	Q7002grp	Q70.02	Fused fingers, left hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q700grp	Q7003grp	Q70.03	Fused fingers, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q702grp	Q702ngrp	Q70.2	Fused toes	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q702grp	Q7020grp	Q70.20	Fused toes, unspecified foot	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q702grp	Q7021grp	Q70.21	Fused toes, right foot	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q702grp	Q7022grp	Q70.22	Fused toes, left foot	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q702grp	Q7023grp	Q70.23	Fused toes, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q704grp	Q704ngrp	Q70.4	Polysyndactyly, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q70grp	Q709grp	Q709ngrp	Q70.9	Syndactyly, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q71ngrp	Q71nngp	Q71	Reduction defects of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q710grp	Q710ngrp	Q71.0	Congenital complete absence of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q710grp	Q7100grp	Q71.00	Congenital complete absence of unspecified upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q710grp	Q7101grp	Q71.01	Congenital complete absence of right upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q710grp	Q7102grp	Q71.02	Congenital complete absence of left upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q710grp	Q7103grp	Q71.03	Congenital complete absence of upper limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q711grp	Q711ngrp	Q71.1	Congenital absence of upper arm and forearm with hand present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q711grp	Q7110grp	Q71.10	Congenital absence of unspecified upper arm and forearm with hand present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q711grp	Q7111grp	Q71.11	Congenital absence of right upper arm and forearm with hand present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q711grp	Q7112grp	Q71.12	Congenital absence of left upper arm and forearm with hand present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q711grp	Q7113grp	Q71.13	Congenital absence of upper arm and forearm with hand present, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q712grp	Q712ngrp	Q71.2	Congenital absence of both forearm and hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q712grp	Q7120grp	Q71.20	Congenital absence of both forearm and hand, unspecified upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q712grp	Q7121grp	Q71.21	Congenital absence of both forearm and hand, right upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q712grp	Q7122grp	Q71.22	Congenital absence of both forearm and hand, left upper limb	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q71grp	Q712grp	Q7123grp	Q71.23	Congenital absence of both forearm and hand, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q713grp	Q713ngrp	Q71.3	Congenital absence of hand and finger	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q713grp	Q7130grp	Q71.30	Congenital absence of unspecified hand and finger	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q713grp	Q7131grp	Q71.31	Congenital absence of right hand and finger	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q713grp	Q7132grp	Q71.32	Congenital absence of left hand and finger	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q713grp	Q7133grp	Q71.33	Congenital absence of hand and finger, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q714grp	Q714ngrp	Q71.4	Longitudinal reduction defect of radius	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q714grp	Q7140grp	Q71.40	Longitudinal reduction defect of unspecified radius	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q714grp	Q7141grp	Q71.41	Longitudinal reduction defect of right radius	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q714grp	Q7142grp	Q71.42	Longitudinal reduction defect of left radius	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q714grp	Q7143grp	Q71.43	Longitudinal reduction defect of radius, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q715grp	Q715ngrp	Q71.5	Longitudinal reduction defect of ulna	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q715grp	Q7150grp	Q71.50	Longitudinal reduction defect of unspecified ulna	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q715grp	Q7151grp	Q71.51	Longitudinal reduction defect of right ulna	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q715grp	Q7152grp	Q71.52	Longitudinal reduction defect of left ulna	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q715grp	Q7153grp	Q71.53	Longitudinal reduction defect of ulna, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q716grp	Q716ngrp	Q71.6	Lobster-claw hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q716grp	Q7160grp	Q71.60	Lobster-claw hand, unspecified hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q716grp	Q7161grp	Q71.61	Lobster-claw right hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q716grp	Q7162grp	Q71.62	Lobster-claw left hand	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q716grp	Q7163grp	Q71.63	Lobster-claw hand, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q718ngrp	Q71.8	Other reduction defects of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7181grp	Q71.81	Congenital shortening of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7181grp	Q71.811	Congenital shortening of right upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7181grp	Q71.812	Congenital shortening of left upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7181grp	Q71.813	Congenital shortening of upper limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7181grp	Q71.819	Congenital shortening of unspecified upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7189grp	Q71.89	Other reduction defects of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7189grp	Q71.891	Other reduction defects of right upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7189grp	Q71.892	Other reduction defects of left upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7189grp	Q71.893	Other reduction defects of upper limb, bilateral	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q71grp	Q718grp	Q7189grp	Q71.899	Other reduction defects of unspecified upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q719grp	Q719ngrp	Q71.9	Unspecified reduction defect of upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q719grp	Q7190grp	Q71.90	Unspecified reduction defect of unspecified upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q719grp	Q7191grp	Q71.91	Unspecified reduction defect of right upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q719grp	Q7192grp	Q71.92	Unspecified reduction defect of left upper limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q71grp	Q719grp	Q7193grp	Q71.93	Unspecified reduction defect of upper limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q72ngrp	Q72nngrp	Q72	Reduction defects of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q720grp	Q720ngrp	Q72.0	Congenital complete absence of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q720grp	Q7200grp	Q72.00	Congenital complete absence of unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q720grp	Q7201grp	Q72.01	Congenital complete absence of right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q720grp	Q7202grp	Q72.02	Congenital complete absence of left lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q720grp	Q7203grp	Q72.03	Congenital complete absence of lower limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q721grp	Q721ngrp	Q72.1	Congenital absence of thigh and lower leg with foot present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q721grp	Q7210grp	Q72.10	Congenital absence of unspecified thigh and lower leg with foot present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q721grp	Q7211grp	Q72.11	Congenital absence of right thigh and lower leg with foot present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q721grp	Q7212grp	Q72.12	Congenital absence of left thigh and lower leg with foot present	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q721grp	Q7213grp	Q72.13	Congenital absence of thigh and lower leg with foot present, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q722grp	Q722ngrp	Q72.2	Congenital absence of both lower leg and foot	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q722grp	Q7220grp	Q72.20	Congenital absence of both lower leg and foot, unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q722grp	Q7221grp	Q72.21	Congenital absence of both lower leg and foot, right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q722grp	Q7222grp	Q72.22	Congenital absence of both lower leg and foot, left lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q722grp	Q7223grp	Q72.23	Congenital absence of both lower leg and foot, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q723grp	Q723ngrp	Q72.3	Congenital absence of foot and toe(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q723grp	Q7230grp	Q72.30	Congenital absence of unspecified foot and toe(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q723grp	Q7231grp	Q72.31	Congenital absence of right foot and toe(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q723grp	Q7232grp	Q72.32	Congenital absence of left foot and toe(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q723grp	Q7233grp	Q72.33	Congenital absence of foot and toe(s), bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q724grp	Q724ngrp	Q72.4	Longitudinal reduction defect of femur	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q724grp	Q7240grp	Q72.40	Longitudinal reduction defect of unspecified femur	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q724grp	Q7241grp	Q72.41	Longitudinal reduction defect of right femur	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q724grp	Q7242grp	Q72.42	Longitudinal reduction defect of left femur	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q72grp	Q724grp	Q7243grp	Q72.43	Longitudinal reduction defect of femur, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q725grp	Q725ngrp	Q72.5	Longitudinal reduction defect of tibia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q725grp	Q7250grp	Q72.50	Longitudinal reduction defect of unspecified tibia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q725grp	Q7251grp	Q72.51	Longitudinal reduction defect of right tibia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q725grp	Q7252grp	Q72.52	Longitudinal reduction defect of left tibia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q725grp	Q7253grp	Q72.53	Longitudinal reduction defect of tibia, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q726grp	Q726ngrp	Q72.6	Longitudinal reduction defect of fibula	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q726grp	Q7260grp	Q72.60	Longitudinal reduction defect of unspecified fibula	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q726grp	Q7261grp	Q72.61	Longitudinal reduction defect of right fibula	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q726grp	Q7262grp	Q72.62	Longitudinal reduction defect of left fibula	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q726grp	Q7263grp	Q72.63	Longitudinal reduction defect of fibula, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q727grp	Q727ngrp	Q72.7	Split foot	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q727grp	Q7270grp	Q72.70	Split foot, unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q727grp	Q7271grp	Q72.71	Split foot, right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q727grp	Q7272grp	Q72.72	Split foot, left lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q727grp	Q7273grp	Q72.73	Split foot, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q728ngrp	Q72.8	Other reduction defects of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7281grp	Q72.81	Congenital shortening of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7281grp	Q72.811	Congenital shortening of right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7281grp	Q72.812	Congenital shortening of left lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7281grp	Q72.813	Congenital shortening of lower limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7281grp	Q72.819	Congenital shortening of unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7289grp	Q72.89	Other reduction defects of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7289grp	Q72.891	Other reduction defects of right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7289grp	Q72.892	Other reduction defects of left lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7289grp	Q72.893	Other reduction defects of lower limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q728grp	Q7289grp	Q72.899	Other reduction defects of unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q729grp	Q729ngrp	Q72.9	Unspecified reduction defect of lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q729grp	Q7290grp	Q72.90	Unspecified reduction defect of unspecified lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q729grp	Q7291grp	Q72.91	Unspecified reduction defect of right lower limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q72grp	Q729grp	Q7292grp	Q72.92	Unspecified reduction defect of left lower limb	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q72grp	Q729grp	Q7293grp	Q72.93	Unspecified reduction defect of lower limb, bilateral	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q73grp	Q73ngrp	Q73nngrp	Q73	Reduction defects of unspecified limb	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q73grp	Q730grp	Q730ngrp	Q73.0	Congenital absence of unspecified limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q73grp	Q731grp	Q731ngrp	Q73.1	Phocomelia, unspecified limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q73grp	Q738grp	Q738ngrp	Q73.8	Other reduction defects of unspecified limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q74ngrp	Q74nngrp	Q74	Other congenital malformations of limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q740grp	Q740ngrp	Q74.0	Other congenital malformations of upper limb(s), including shoulder girdle	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q741grp	Q741ngrp	Q74.1	Congenital malformation of knee	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q742grp	Q742ngrp	Q74.2	Other congenital malformations of lower limb(s), including pelvic girdle	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q743grp	Q743ngrp	Q74.3	Arthrogryposis multiplex congenita	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q748grp	Q748ngrp	Q74.8	Other specified congenital malformations of limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q74grp	Q749grp	Q749ngrp	Q74.9	Unspecified congenital malformation of limb(s)	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q75ngrp	Q75nngrp	Q75	Other congenital malformations of skull and face bones	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q750grp	Q750ngrp	Q75.0	Craniosynostosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q751grp	Q751ngrp	Q75.1	Craniofacial dysostosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q754grp	Q754ngrp	Q75.4	Mandibulofacial dysostosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q755grp	Q755ngrp	Q75.5	Oculomandibular dysostosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q75grp	Q759grp	Q759ngrp	Q75.9	Congenital malformation of skull and face bones, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q76ngrp	Q76nngrp	Q76	Congenital malformations of spine and bony thorax	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q761grp	Q761ngrp	Q76.1	Klippel-Feil syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q762grp	Q762ngrp	Q76.2	Congenital spondylolisthesis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q763grp	Q763ngrp	Q76.3	Congenital scoliosis due to congenital bony malformation	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q764ngrp	Q76.4	Other congenital malformations of spine, not associated with scoliosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.41	Congenital kyphosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.411	Congenital kyphosis, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.412	Congenital kyphosis, cervical region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.413	Congenital kyphosis, cervicothoracic region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.414	Congenital kyphosis, thoracic region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.415	Congenital kyphosis, thoracolumbar region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7641grp	Q76.419	Congenital kyphosis, unspecified region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.42	Congenital lordosis	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.425	Congenital lordosis, thoracolumbar region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.426	Congenital lordosis, lumbar region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.427	Congenital lordosis, lumbosacral region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.428	Congenital lordosis, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7642grp	Q76.429	Congenital lordosis, unspecified region	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q764grp	Q7649grp	Q76.49	Other congenital malformations of spine, not associated with scoliosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q766grp	Q766ngrp	Q76.6	Other congenital malformations of ribs	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q767grp	Q767ngrp	Q76.7	Congenital malformation of sternum	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q768grp	Q768ngrp	Q76.8	Other congenital malformations of bony thorax	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q76grp	Q769grp	Q769ngrp	Q76.9	Congenital malformation of bony thorax, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q77ngrp	Q77nngrp	Q77	Osteochondrodysplasia with defects of growth of tubular bones and spine	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q770grp	Q770ngrp	Q77.0	Achondrogenesis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q771grp	Q771ngrp	Q77.1	Thanatophoric short stature	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q772grp	Q772ngrp	Q77.2	Short rib syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q773grp	Q773ngrp	Q77.3	Chondrodysplasia punctata	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q774grp	Q774ngrp	Q77.4	Achondroplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q775grp	Q775ngrp	Q77.5	Diastrophic dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q776grp	Q776ngrp	Q77.6	Chondroectodermal dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q777grp	Q777ngrp	Q77.7	Spondyloepiphyseal dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q778grp	Q778ngrp	Q77.8	Other osteochondrodysplasia with defects of growth of tubular bones and spine	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q77grp	Q779grp	Q779ngrp	Q77.9	Osteochondrodysplasia with defects of growth of tubular bones and spine, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q78ngrp	Q78nngrp	Q78	Other osteochondrodysplasias	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q780grp	Q780ngrp	Q78.0	Osteogenesis imperfecta	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q781grp	Q781ngrp	Q78.1	Polyostotic fibrous dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q782grp	Q782ngrp	Q78.2	Osteopetrosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q783grp	Q783ngrp	Q78.3	Progressive diaphyseal dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q784grp	Q784ngrp	Q78.4	Enchondromatosis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q785grp	Q785ngrp	Q78.5	Metaphyseal dysplasia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q786grp	Q786ngrp	Q78.6	Multiple congenital exostoses	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q65_Q79	Q78grp	Q788grp	Q788ngrp	Q78.8	Other specified osteochondrodysplasias	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q78grp	Q789grp	Q789ngrp	Q78.9	Osteochondrodysplasia, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q79ngrp	Q79nngp	Q79	Congenital malformations of musculoskeletal system, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q790grp	Q790ngrp	Q79.0	Congenital diaphragmatic hernia	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q791grp	Q791ngrp	Q79.1	Other congenital malformations of diaphragm	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q792grp	Q792ngrp	Q79.2	Exomphalos	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q793grp	Q793ngrp	Q79.3	Gastroschisis	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q794grp	Q794ngrp	Q79.4	Prune belly syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q796grp	Q796ngrp	Q79.6	Ehlers-Danlos syndromes	ICD-10-CM	Diagnosis
Q00_Q99	Q65_Q79	Q79grp	Q799grp	Q799ngrp	Q79.9	Congenital malformation of musculoskeletal system, unspecified	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q83grp	Q83ngrp	Q83nngp	Q83	Congenital malformations of breast	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q83grp	Q830grp	Q830ngrp	Q83.0	Congenital absence of breast with absent nipple	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q83grp	Q831grp	Q831ngrp	Q83.1	Accessory breast	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q84grp	Q84ngrp	Q84nngp	Q84	Other congenital malformations of integument	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q84grp	Q840grp	Q840ngrp	Q84.0	Congenital alopecia	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q86grp	Q86ngrp	Q86nngp	Q86	Congenital malformation syndromes due to known exogenous causes, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q86grp	Q860grp	Q860ngrp	Q86.0	Fetal alcohol syndrome (dysmorphic)	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q86grp	Q861grp	Q861ngrp	Q86.1	Fetal hydantoin syndrome	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q86grp	Q862grp	Q862ngrp	Q86.2	Dysmorphism due to warfarin	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q86grp	Q868grp	Q868ngrp	Q86.8	Other congenital malformation syndromes due to known exogenous causes	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q87grp	Q87ngrp	Q87nngp	Q87	Other specified congenital malformation syndromes affecting multiple systems	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q87grp	Q870grp	Q870ngrp	Q87.0	Congenital malformation syndromes predominantly affecting facial appearance	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q87grp	Q871grp	Q871ngrp	Q87.1	Congenital malformation syndromes predominantly associated with short stature	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q87grp	Q872grp	Q872ngrp	Q87.2	Congenital malformation syndromes predominantly involving limbs	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q87grp	Q873grp	Q873ngrp	Q87.3	Congenital malformation syndromes involving early overgrowth	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q89ngrp	Q89nngp	Q89	Other congenital malformations, not elsewhere classified	ICD-10-CM	Diagnosis

Appendix I. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Identify Outcomes

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6/Code	Description	Code Type	Code Category
Q00_Q99	Q80_Q89	Q89grp	Q890grp	Q890ngrp	Q89.0	Congenital absence and malformations of spleen	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q890grp	Q8901grp	Q89.01	Asplenia (congenital)	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q890grp	Q8909grp	Q89.09	Congenital malformations of spleen	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q891grp	Q891ngrp	Q89.1	Congenital malformations of adrenal gland	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q892grp	Q892ngrp	Q89.2	Congenital malformations of other endocrine glands	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q893grp	Q893ngrp	Q89.3	Situs inversus	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q897grp	Q897ngrp	Q89.7	Multiple congenital malformations, not elsewhere classified	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q898grp	Q898ngrp	Q89.8	Other specified congenital malformations	ICD-10-CM	Diagnosis
Q00_Q99	Q80_Q89	Q89grp	Q899grp	Q899ngrp	Q89.9	Congenital malformation, unspecified	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
Ear, Nose, and Throat Infections			
032	Diphtheria	ICD-9-CM	Diagnosis
032.0	Faucial diphtheria	ICD-9-CM	Diagnosis
032.1	Nasopharyngeal diphtheria	ICD-9-CM	Diagnosis
032.2	Anterior nasal diphtheria	ICD-9-CM	Diagnosis
032.3	Laryngeal diphtheria	ICD-9-CM	Diagnosis
032.8	Other specified diphtheria	ICD-9-CM	Diagnosis
032.81	Conjunctival diphtheria	ICD-9-CM	Diagnosis
032.82	Diphtheritic myocarditis	ICD-9-CM	Diagnosis
032.83	Diphtheritic peritonitis	ICD-9-CM	Diagnosis
032.84	Diphtheritic cystitis	ICD-9-CM	Diagnosis
032.85	Cutaneous diphtheria	ICD-9-CM	Diagnosis
032.89	Other specified diphtheria	ICD-9-CM	Diagnosis
032.9	Unspecified diphtheria	ICD-9-CM	Diagnosis
034	Streptococcal sore throat and scarlet fever	ICD-9-CM	Diagnosis
034.0	Streptococcal sore throat	ICD-9-CM	Diagnosis
034.1	Scarlet fever	ICD-9-CM	Diagnosis
380	Disorders of external ear	ICD-9-CM	Diagnosis
380.0	Perichondritis and chondritis of pinna	ICD-9-CM	Diagnosis
380.00	Unspecified perichondritis of pinna	ICD-9-CM	Diagnosis
380.01	Acute perichondritis of pinna	ICD-9-CM	Diagnosis
380.02	Chronic perichondritis of pinna	ICD-9-CM	Diagnosis
380.03	Chondritis of pinna	ICD-9-CM	Diagnosis
380.1	Infective otitis externa	ICD-9-CM	Diagnosis
380.10	Unspecified infective otitis externa	ICD-9-CM	Diagnosis
380.11	Acute infection of pinna	ICD-9-CM	Diagnosis
380.12	Acute swimmers' ear	ICD-9-CM	Diagnosis
380.13	Other acute infections of external ear	ICD-9-CM	Diagnosis
380.14	Malignant otitis externa	ICD-9-CM	Diagnosis
380.16	Other chronic infective otitis externa	ICD-9-CM	Diagnosis
380.2	Other otitis externa	ICD-9-CM	Diagnosis
380.22	Other acute otitis externa	ICD-9-CM	Diagnosis
380.23	Other chronic otitis externa	ICD-9-CM	Diagnosis
382	Suppurative and unspecified otitis media	ICD-9-CM	Diagnosis
382.0	Acute suppurative otitis media	ICD-9-CM	Diagnosis
382.00	Acute suppurative otitis media without spontaneous rupture of eardrum	ICD-9-CM	Diagnosis
382.01	Acute suppurative otitis media with spontaneous rupture of eardrum	ICD-9-CM	Diagnosis
382.02	Acute suppurative otitis media in diseases classified elsewhere	ICD-9-CM	Diagnosis
382.1	Chronic tubotympanic suppurative otitis media	ICD-9-CM	Diagnosis
382.2	Chronic atticofurcal suppurative otitis media	ICD-9-CM	Diagnosis
382.3	Unspecified chronic suppurative otitis media	ICD-9-CM	Diagnosis
382.4	Unspecified suppurative otitis media	ICD-9-CM	Diagnosis
382.9	Unspecified otitis media	ICD-9-CM	Diagnosis
383	Mastoiditis and related conditions	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
383.0	Acute mastoiditis	ICD-9-CM	Diagnosis
383.00	Acute mastoiditis without complications	ICD-9-CM	Diagnosis
383.01	Subperiosteal abscess of mastoid	ICD-9-CM	Diagnosis
383.02	Acute mastoiditis with other complications	ICD-9-CM	Diagnosis
383.1	Chronic mastoiditis	ICD-9-CM	Diagnosis
383.2	Petrositis	ICD-9-CM	Diagnosis
383.20	Unspecified petrositis	ICD-9-CM	Diagnosis
383.21	Acute petrositis	ICD-9-CM	Diagnosis
383.22	Chronic petrositis	ICD-9-CM	Diagnosis
383.81	Postauricular fistula	ICD-9-CM	Diagnosis
383.9	Unspecified mastoiditis	ICD-9-CM	Diagnosis
384	Other disorders of tympanic membrane	ICD-9-CM	Diagnosis
384.0	Acute myringitis without mention of otitis media	ICD-9-CM	Diagnosis
384.00	Unspecified acute myringitis	ICD-9-CM	Diagnosis
384.01	Bullous myringitis	ICD-9-CM	Diagnosis
384.09	Other acute myringitis without mention of otitis media	ICD-9-CM	Diagnosis
384.1	Chronic myringitis without mention of otitis media	ICD-9-CM	Diagnosis
384.2	Perforation of tympanic membrane	ICD-9-CM	Diagnosis
384.20	Unspecified perforation of tympanic membrane	ICD-9-CM	Diagnosis
384.21	Central perforation of tympanic membrane	ICD-9-CM	Diagnosis
384.22	Attic perforation of tympanic membrane	ICD-9-CM	Diagnosis
384.23	Other marginal perforation of tympanic membrane	ICD-9-CM	Diagnosis
384.24	Multiple perforations of tympanic membrane	ICD-9-CM	Diagnosis
384.25	Total perforation of tympanic membrane	ICD-9-CM	Diagnosis
385	Other disorders of middle ear and mastoid	ICD-9-CM	Diagnosis
385.83	Retained foreign body of middle ear	ICD-9-CM	Diagnosis
386	Vertiginous syndromes and other disorders of vestibular system	ICD-9-CM	Diagnosis
386.3	Labyrinthitis	ICD-9-CM	Diagnosis
386.30	Unspecified labyrinthitis	ICD-9-CM	Diagnosis
386.33	Suppurative labyrinthitis	ICD-9-CM	Diagnosis
461	Acute sinusitis	ICD-9-CM	Diagnosis
461.0	Acute maxillary sinusitis	ICD-9-CM	Diagnosis
461.1	Acute frontal sinusitis	ICD-9-CM	Diagnosis
461.2	Acute ethmoidal sinusitis	ICD-9-CM	Diagnosis
461.3	Acute sphenoidal sinusitis	ICD-9-CM	Diagnosis
461.8	Other acute sinusitis	ICD-9-CM	Diagnosis
461.9	Acute sinusitis, unspecified	ICD-9-CM	Diagnosis
462	Acute pharyngitis	ICD-9-CM	Diagnosis
463	Acute tonsillitis	ICD-9-CM	Diagnosis
464	Acute laryngitis and tracheitis	ICD-9-CM	Diagnosis
464.1	Acute tracheitis	ICD-9-CM	Diagnosis
464.10	Acute tracheitis without mention of obstruction	ICD-9-CM	Diagnosis
464.11	Acute tracheitis with obstruction	ICD-9-CM	Diagnosis
464.3	Acute epiglottitis	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
464.30	Acute epiglottitis without mention of obstruction	ICD-9-CM	Diagnosis
464.31	Acute epiglottitis with obstruction	ICD-9-CM	Diagnosis
464.5	Supraglottitis, unspecified	ICD-9-CM	Diagnosis
464.50	Unspecified supraglottitis, without mention of obstruction	ICD-9-CM	Diagnosis
464.51	Unspecified supraglottitis, with obstruction	ICD-9-CM	Diagnosis
472	Chronic pharyngitis and nasopharyngitis	ICD-9-CM	Diagnosis
472.1	Chronic pharyngitis	ICD-9-CM	Diagnosis
473	Chronic sinusitis	ICD-9-CM	Diagnosis
473.0	Chronic maxillary sinusitis	ICD-9-CM	Diagnosis
473.1	Chronic frontal sinusitis	ICD-9-CM	Diagnosis
473.2	Chronic ethmoidal sinusitis	ICD-9-CM	Diagnosis
473.3	Chronic sphenoidal sinusitis	ICD-9-CM	Diagnosis
473.8	Other chronic sinusitis	ICD-9-CM	Diagnosis
473.9	Unspecified sinusitis (chronic)	ICD-9-CM	Diagnosis
474	Chronic disease of tonsils and adenoids	ICD-9-CM	Diagnosis
474.0	Chronic tonsillitis and adenoiditis	ICD-9-CM	Diagnosis
474.00	Chronic tonsillitis	ICD-9-CM	Diagnosis
474.01	Chronic adenoiditis	ICD-9-CM	Diagnosis
474.02	Chronic tonsillitis and adenoiditis	ICD-9-CM	Diagnosis
475	Peritonsillar abscess	ICD-9-CM	Diagnosis
478	Other diseases of upper respiratory tract	ICD-9-CM	Diagnosis
478.21	Cellulitis of pharynx or nasopharynx	ICD-9-CM	Diagnosis
478.22	Parapharyngeal abscess	ICD-9-CM	Diagnosis
478.24	Retropharyngeal abscess	ICD-9-CM	Diagnosis
478.71	Cellulitis and perichondritis of larynx	ICD-9-CM	Diagnosis
A36	Diphtheria	ICD-10-CM	Diagnosis
A36.0	Pharyngeal diphtheria	ICD-10-CM	Diagnosis
A36.1	Nasopharyngeal diphtheria	ICD-10-CM	Diagnosis
A36.2	Laryngeal diphtheria	ICD-10-CM	Diagnosis
A36.3	Cutaneous diphtheria	ICD-10-CM	Diagnosis
A36.8	Other diphtheria	ICD-10-CM	Diagnosis
A36.81	Diphtheritic cardiomyopathy	ICD-10-CM	Diagnosis
A36.82	Diphtheritic radiculomyelitis	ICD-10-CM	Diagnosis
A36.83	Diphtheritic polyneuritis	ICD-10-CM	Diagnosis
A36.84	Diphtheritic tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
A36.85	Diphtheritic cystitis	ICD-10-CM	Diagnosis
A36.86	Diphtheritic conjunctivitis	ICD-10-CM	Diagnosis
A36.89	Other diphtheritic complications	ICD-10-CM	Diagnosis
A36.9	Diphtheria, unspecified	ICD-10-CM	Diagnosis
A38	Scarlet fever	ICD-10-CM	Diagnosis
A38.0	Scarlet fever with otitis media	ICD-10-CM	Diagnosis
A38.1	Scarlet fever with myocarditis	ICD-10-CM	Diagnosis
A38.8	Scarlet fever with other complications	ICD-10-CM	Diagnosis
A38.9	Scarlet fever, uncomplicated	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H60	Otitis externa	ICD-10-CM	Diagnosis
H60.0	Abscess of external ear	ICD-10-CM	Diagnosis
H60.00	Abscess of external ear, unspecified ear	ICD-10-CM	Diagnosis
H60.01	Abscess of right external ear	ICD-10-CM	Diagnosis
H60.02	Abscess of left external ear	ICD-10-CM	Diagnosis
H60.03	Abscess of external ear, bilateral	ICD-10-CM	Diagnosis
H60.1	Cellulitis of external ear	ICD-10-CM	Diagnosis
H60.10	Cellulitis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H60.11	Cellulitis of right external ear	ICD-10-CM	Diagnosis
H60.12	Cellulitis of left external ear	ICD-10-CM	Diagnosis
H60.13	Cellulitis of external ear, bilateral	ICD-10-CM	Diagnosis
H60.2	Malignant otitis externa	ICD-10-CM	Diagnosis
H60.20	Malignant otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.21	Malignant otitis externa, right ear	ICD-10-CM	Diagnosis
H60.22	Malignant otitis externa, left ear	ICD-10-CM	Diagnosis
H60.23	Malignant otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.3	Other infective otitis externa	ICD-10-CM	Diagnosis
H60.31	Diffuse otitis externa	ICD-10-CM	Diagnosis
H60.311	Diffuse otitis externa, right ear	ICD-10-CM	Diagnosis
H60.312	Diffuse otitis externa, left ear	ICD-10-CM	Diagnosis
H60.313	Diffuse otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.319	Diffuse otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.32	Hemorrhagic otitis externa	ICD-10-CM	Diagnosis
H60.321	Hemorrhagic otitis externa, right ear	ICD-10-CM	Diagnosis
H60.322	Hemorrhagic otitis externa, left ear	ICD-10-CM	Diagnosis
H60.323	Hemorrhagic otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.329	Hemorrhagic otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.33	Swimmer's ear	ICD-10-CM	Diagnosis
H60.331	Swimmer's ear, right ear	ICD-10-CM	Diagnosis
H60.332	Swimmer's ear, left ear	ICD-10-CM	Diagnosis
H60.333	Swimmer's ear, bilateral	ICD-10-CM	Diagnosis
H60.339	Swimmer's ear, unspecified ear	ICD-10-CM	Diagnosis
H60.39	Other infective otitis externa	ICD-10-CM	Diagnosis
H60.391	Other infective otitis externa, right ear	ICD-10-CM	Diagnosis
H60.392	Other infective otitis externa, left ear	ICD-10-CM	Diagnosis
H60.393	Other infective otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.399	Other infective otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.6	Unspecified chronic otitis externa	ICD-10-CM	Diagnosis
H60.60	Unspecified chronic otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.61	Unspecified chronic otitis externa, right ear	ICD-10-CM	Diagnosis
H60.62	Unspecified chronic otitis externa, left ear	ICD-10-CM	Diagnosis
H60.63	Unspecified chronic otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.8	Other otitis externa	ICD-10-CM	Diagnosis
H60.8X	Other otitis externa	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H60.8X1	Other otitis externa, right ear	ICD-10-CM	Diagnosis
H60.8X2	Other otitis externa, left ear	ICD-10-CM	Diagnosis
H60.8X3	Other otitis externa, bilateral	ICD-10-CM	Diagnosis
H60.8X9	Other otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.9	Unspecified otitis externa	ICD-10-CM	Diagnosis
H60.90	Unspecified otitis externa, unspecified ear	ICD-10-CM	Diagnosis
H60.91	Unspecified otitis externa, right ear	ICD-10-CM	Diagnosis
H60.92	Unspecified otitis externa, left ear	ICD-10-CM	Diagnosis
H60.93	Unspecified otitis externa, bilateral	ICD-10-CM	Diagnosis
H61	Other disorders of external ear	ICD-10-CM	Diagnosis
H61.0	Chondritis and perichondritis of external ear	ICD-10-CM	Diagnosis
H61.00	Unspecified perichondritis of external ear	ICD-10-CM	Diagnosis
H61.001	Unspecified perichondritis of right external ear	ICD-10-CM	Diagnosis
H61.002	Unspecified perichondritis of left external ear	ICD-10-CM	Diagnosis
H61.003	Unspecified perichondritis of external ear, bilateral	ICD-10-CM	Diagnosis
H61.009	Unspecified perichondritis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H61.01	Acute perichondritis of external ear	ICD-10-CM	Diagnosis
H61.011	Acute perichondritis of right external ear	ICD-10-CM	Diagnosis
H61.012	Acute perichondritis of left external ear	ICD-10-CM	Diagnosis
H61.013	Acute perichondritis of external ear, bilateral	ICD-10-CM	Diagnosis
H61.019	Acute perichondritis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H61.02	Chronic perichondritis of external ear	ICD-10-CM	Diagnosis
H61.021	Chronic perichondritis of right external ear	ICD-10-CM	Diagnosis
H61.022	Chronic perichondritis of left external ear	ICD-10-CM	Diagnosis
H61.023	Chronic perichondritis of external ear, bilateral	ICD-10-CM	Diagnosis
H61.029	Chronic perichondritis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H61.03	Chondritis of external ear	ICD-10-CM	Diagnosis
H61.031	Chondritis of right external ear	ICD-10-CM	Diagnosis
H61.032	Chondritis of left external ear	ICD-10-CM	Diagnosis
H61.033	Chondritis of external ear, bilateral	ICD-10-CM	Diagnosis
H61.039	Chondritis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H62	Disorders of external ear in diseases classified elsewhere	ICD-10-CM	Diagnosis
H62.4	Otitis externa in other diseases classified elsewhere	ICD-10-CM	Diagnosis
H62.40	Otitis externa in other diseases classified elsewhere, unspecified ear	ICD-10-CM	Diagnosis
H62.41	Otitis externa in other diseases classified elsewhere, right ear	ICD-10-CM	Diagnosis
H62.42	Otitis externa in other diseases classified elsewhere, left ear	ICD-10-CM	Diagnosis
H62.43	Otitis externa in other diseases classified elsewhere, bilateral	ICD-10-CM	Diagnosis
H66	Suppurative and unspecified otitis media	ICD-10-CM	Diagnosis
H66.0	Acute suppurative otitis media	ICD-10-CM	Diagnosis
H66.00	Acute suppurative otitis media without spontaneous rupture of ear drum	ICD-10-CM	Diagnosis
H66.001	Acute suppurative otitis media without spontaneous rupture of ear drum, right ear	ICD-10-CM	Diagnosis
H66.002	Acute suppurative otitis media without spontaneous rupture of ear drum, left ear	ICD-10-CM	Diagnosis
H66.003	Acute suppurative otitis media without spontaneous rupture of ear drum, bilateral	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H66.004	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, right ear	ICD-10-CM	Diagnosis
H66.005	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, left ear	ICD-10-CM	Diagnosis
H66.006	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, bilateral	ICD-10-CM	Diagnosis
H66.007	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, unspecified ear	ICD-10-CM	Diagnosis
H66.009	Acute suppurative otitis media without spontaneous rupture of ear drum, unspecified ear	ICD-10-CM	Diagnosis
H66.01	Acute suppurative otitis media with spontaneous rupture of ear drum	ICD-10-CM	Diagnosis
H66.011	Acute suppurative otitis media with spontaneous rupture of ear drum, right ear	ICD-10-CM	Diagnosis
H66.012	Acute suppurative otitis media with spontaneous rupture of ear drum, left ear	ICD-10-CM	Diagnosis
H66.013	Acute suppurative otitis media with spontaneous rupture of ear drum, bilateral	ICD-10-CM	Diagnosis
H66.014	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, right ear	ICD-10-CM	Diagnosis
H66.015	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, left ear	ICD-10-CM	Diagnosis
H66.016	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, bilateral	ICD-10-CM	Diagnosis
H66.017	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, unspecified ear	ICD-10-CM	Diagnosis
H66.019	Acute suppurative otitis media with spontaneous rupture of ear drum, unspecified ear	ICD-10-CM	Diagnosis
H66.1	Chronic tubotympanic suppurative otitis media	ICD-10-CM	Diagnosis
H66.10	Chronic tubotympanic suppurative otitis media, unspecified	ICD-10-CM	Diagnosis
H66.11	Chronic tubotympanic suppurative otitis media, right ear	ICD-10-CM	Diagnosis
H66.12	Chronic tubotympanic suppurative otitis media, left ear	ICD-10-CM	Diagnosis
H66.13	Chronic tubotympanic suppurative otitis media, bilateral	ICD-10-CM	Diagnosis
H66.2	Chronic atticoantral suppurative otitis media	ICD-10-CM	Diagnosis
H66.20	Chronic atticoantral suppurative otitis media, unspecified ear	ICD-10-CM	Diagnosis
H66.21	Chronic atticoantral suppurative otitis media, right ear	ICD-10-CM	Diagnosis
H66.22	Chronic atticoantral suppurative otitis media, left ear	ICD-10-CM	Diagnosis
H66.23	Chronic atticoantral suppurative otitis media, bilateral	ICD-10-CM	Diagnosis
H66.3	Other chronic suppurative otitis media	ICD-10-CM	Diagnosis
H66.3X	Other chronic suppurative otitis media	ICD-10-CM	Diagnosis
H66.3X1	Other chronic suppurative otitis media, right ear	ICD-10-CM	Diagnosis
H66.3X2	Other chronic suppurative otitis media, left ear	ICD-10-CM	Diagnosis
H66.3X3	Other chronic suppurative otitis media, bilateral	ICD-10-CM	Diagnosis
H66.3X9	Other chronic suppurative otitis media, unspecified ear	ICD-10-CM	Diagnosis
H66.4	Suppurative otitis media, unspecified	ICD-10-CM	Diagnosis
H66.40	Suppurative otitis media, unspecified, unspecified ear	ICD-10-CM	Diagnosis
H66.41	Suppurative otitis media, unspecified, right ear	ICD-10-CM	Diagnosis
H66.42	Suppurative otitis media, unspecified, left ear	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H66.43	Suppurative otitis media, unspecified, bilateral	ICD-10-CM	Diagnosis
H66.9	Otitis media, unspecified	ICD-10-CM	Diagnosis
H66.90	Otitis media, unspecified, unspecified ear	ICD-10-CM	Diagnosis
H66.91	Otitis media, unspecified, right ear	ICD-10-CM	Diagnosis
H66.92	Otitis media, unspecified, left ear	ICD-10-CM	Diagnosis
H66.93	Otitis media, unspecified, bilateral	ICD-10-CM	Diagnosis
H67	Otitis media in diseases classified elsewhere	ICD-10-CM	Diagnosis
H67.1	Otitis media in diseases classified elsewhere, right ear	ICD-10-CM	Diagnosis
H67.2	Otitis media in diseases classified elsewhere, left ear	ICD-10-CM	Diagnosis
H67.3	Otitis media in diseases classified elsewhere, bilateral	ICD-10-CM	Diagnosis
H67.9	Otitis media in diseases classified elsewhere, unspecified ear	ICD-10-CM	Diagnosis
H70	Mastoiditis and related conditions	ICD-10-CM	Diagnosis
H70.0	Acute mastoiditis	ICD-10-CM	Diagnosis
H70.00	Acute mastoiditis without complications	ICD-10-CM	Diagnosis
H70.001	Acute mastoiditis without complications, right ear	ICD-10-CM	Diagnosis
H70.002	Acute mastoiditis without complications, left ear	ICD-10-CM	Diagnosis
H70.003	Acute mastoiditis without complications, bilateral	ICD-10-CM	Diagnosis
H70.009	Acute mastoiditis without complications, unspecified ear	ICD-10-CM	Diagnosis
H70.01	Subperiosteal abscess of mastoid	ICD-10-CM	Diagnosis
H70.011	Subperiosteal abscess of mastoid, right ear	ICD-10-CM	Diagnosis
H70.012	Subperiosteal abscess of mastoid, left ear	ICD-10-CM	Diagnosis
H70.013	Subperiosteal abscess of mastoid, bilateral	ICD-10-CM	Diagnosis
H70.019	Subperiosteal abscess of mastoid, unspecified ear	ICD-10-CM	Diagnosis
H70.09	Acute mastoiditis with other complications	ICD-10-CM	Diagnosis
H70.091	Acute mastoiditis with other complications, right ear	ICD-10-CM	Diagnosis
H70.092	Acute mastoiditis with other complications, left ear	ICD-10-CM	Diagnosis
H70.093	Acute mastoiditis with other complications, bilateral	ICD-10-CM	Diagnosis
H70.099	Acute mastoiditis with other complications, unspecified ear	ICD-10-CM	Diagnosis
H70.1	Chronic mastoiditis	ICD-10-CM	Diagnosis
H70.10	Chronic mastoiditis, unspecified ear	ICD-10-CM	Diagnosis
H70.11	Chronic mastoiditis, right ear	ICD-10-CM	Diagnosis
H70.12	Chronic mastoiditis, left ear	ICD-10-CM	Diagnosis
H70.13	Chronic mastoiditis, bilateral	ICD-10-CM	Diagnosis
H70.2	Petrositis	ICD-10-CM	Diagnosis
H70.20	Unspecified petrositis	ICD-10-CM	Diagnosis
H70.201	Unspecified petrositis, right ear	ICD-10-CM	Diagnosis
H70.202	Unspecified petrositis, left ear	ICD-10-CM	Diagnosis
H70.203	Unspecified petrositis, bilateral	ICD-10-CM	Diagnosis
H70.209	Unspecified petrositis, unspecified ear	ICD-10-CM	Diagnosis
H70.21	Acute petrositis	ICD-10-CM	Diagnosis
H70.211	Acute petrositis, right ear	ICD-10-CM	Diagnosis
H70.212	Acute petrositis, left ear	ICD-10-CM	Diagnosis
H70.213	Acute petrositis, bilateral	ICD-10-CM	Diagnosis
H70.219	Acute petrositis, unspecified ear	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H70.22	Chronic petrositis	ICD-10-CM	Diagnosis
H70.221	Chronic petrositis, right ear	ICD-10-CM	Diagnosis
H70.222	Chronic petrositis, left ear	ICD-10-CM	Diagnosis
H70.223	Chronic petrositis, bilateral	ICD-10-CM	Diagnosis
H70.229	Chronic petrositis, unspecified ear	ICD-10-CM	Diagnosis
H70.8	Other mastoiditis and related conditions	ICD-10-CM	Diagnosis
H70.81	Postauricular fistula	ICD-10-CM	Diagnosis
H70.811	Postauricular fistula, right ear	ICD-10-CM	Diagnosis
H70.812	Postauricular fistula, left ear	ICD-10-CM	Diagnosis
H70.813	Postauricular fistula, bilateral	ICD-10-CM	Diagnosis
H70.819	Postauricular fistula, unspecified ear	ICD-10-CM	Diagnosis
H70.89	Other mastoiditis and related conditions	ICD-10-CM	Diagnosis
H70.891	Other mastoiditis and related conditions, right ear	ICD-10-CM	Diagnosis
H70.892	Other mastoiditis and related conditions, left ear	ICD-10-CM	Diagnosis
H70.893	Other mastoiditis and related conditions, bilateral	ICD-10-CM	Diagnosis
H70.899	Other mastoiditis and related conditions, unspecified ear	ICD-10-CM	Diagnosis
H70.9	Unspecified mastoiditis	ICD-10-CM	Diagnosis
H70.90	Unspecified mastoiditis, unspecified ear	ICD-10-CM	Diagnosis
H70.91	Unspecified mastoiditis, right ear	ICD-10-CM	Diagnosis
H70.92	Unspecified mastoiditis, left ear	ICD-10-CM	Diagnosis
H70.93	Unspecified mastoiditis, bilateral	ICD-10-CM	Diagnosis
H72	Perforation of tympanic membrane	ICD-10-CM	Diagnosis
H72.0	Central perforation of tympanic membrane	ICD-10-CM	Diagnosis
H72.00	Central perforation of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis
H72.01	Central perforation of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.02	Central perforation of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.03	Central perforation of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H72.1	Attic perforation of tympanic membrane	ICD-10-CM	Diagnosis
H72.10	Attic perforation of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis
H72.11	Attic perforation of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.12	Attic perforation of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.13	Attic perforation of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H72.2	Other marginal perforations of tympanic membrane	ICD-10-CM	Diagnosis
H72.2X	Other marginal perforations of tympanic membrane	ICD-10-CM	Diagnosis
H72.2X1	Other marginal perforations of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.2X2	Other marginal perforations of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.2X3	Other marginal perforations of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H72.2X9	Other marginal perforations of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis
H72.8	Other perforations of tympanic membrane	ICD-10-CM	Diagnosis
H72.81	Multiple perforations of tympanic membrane	ICD-10-CM	Diagnosis
H72.811	Multiple perforations of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.812	Multiple perforations of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.813	Multiple perforations of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H72.819	Multiple perforations of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H72.82	Total perforations of tympanic membrane	ICD-10-CM	Diagnosis
H72.821	Total perforations of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.822	Total perforations of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.823	Total perforations of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H72.829	Total perforations of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis
H72.9	Unspecified perforation of tympanic membrane	ICD-10-CM	Diagnosis
H72.90	Unspecified perforation of tympanic membrane, unspecified ear	ICD-10-CM	Diagnosis
H72.91	Unspecified perforation of tympanic membrane, right ear	ICD-10-CM	Diagnosis
H72.92	Unspecified perforation of tympanic membrane, left ear	ICD-10-CM	Diagnosis
H72.93	Unspecified perforation of tympanic membrane, bilateral	ICD-10-CM	Diagnosis
H73	Other disorders of tympanic membrane	ICD-10-CM	Diagnosis
H73.0	Acute myringitis	ICD-10-CM	Diagnosis
H73.00	Unspecified acute myringitis	ICD-10-CM	Diagnosis
H73.001	Acute myringitis, right ear	ICD-10-CM	Diagnosis
H73.002	Acute myringitis, left ear	ICD-10-CM	Diagnosis
H73.003	Acute myringitis, bilateral	ICD-10-CM	Diagnosis
H73.009	Acute myringitis, unspecified ear	ICD-10-CM	Diagnosis
H73.01	Bullous myringitis	ICD-10-CM	Diagnosis
H73.011	Bullous myringitis, right ear	ICD-10-CM	Diagnosis
H73.012	Bullous myringitis, left ear	ICD-10-CM	Diagnosis
H73.013	Bullous myringitis, bilateral	ICD-10-CM	Diagnosis
H73.019	Bullous myringitis, unspecified ear	ICD-10-CM	Diagnosis
H73.09	Other acute myringitis	ICD-10-CM	Diagnosis
H73.091	Other acute myringitis, right ear	ICD-10-CM	Diagnosis
H73.092	Other acute myringitis, left ear	ICD-10-CM	Diagnosis
H73.093	Other acute myringitis, bilateral	ICD-10-CM	Diagnosis
H73.099	Other acute myringitis, unspecified ear	ICD-10-CM	Diagnosis
H73.1	Chronic myringitis	ICD-10-CM	Diagnosis
H73.10	Chronic myringitis, unspecified ear	ICD-10-CM	Diagnosis
H73.11	Chronic myringitis, right ear	ICD-10-CM	Diagnosis
H73.12	Chronic myringitis, left ear	ICD-10-CM	Diagnosis
H73.13	Chronic myringitis, bilateral	ICD-10-CM	Diagnosis
H73.2	Unspecified myringitis	ICD-10-CM	Diagnosis
H73.20	Unspecified myringitis, unspecified ear	ICD-10-CM	Diagnosis
H73.21	Unspecified myringitis, right ear	ICD-10-CM	Diagnosis
H73.22	Unspecified myringitis, left ear	ICD-10-CM	Diagnosis
H73.23	Unspecified myringitis, bilateral	ICD-10-CM	Diagnosis
H75	Other disorders of middle ear and mastoid in diseases classified elsewhere	ICD-10-CM	Diagnosis
H75.0	Mastoiditis in infectious and parasitic diseases classified elsewhere	ICD-10-CM	Diagnosis
H75.00	Mastoiditis in infectious and parasitic diseases classified elsewhere, unspecified ear	ICD-10-CM	Diagnosis
H75.01	Mastoiditis in infectious and parasitic diseases classified elsewhere, right ear	ICD-10-CM	Diagnosis
H75.02	Mastoiditis in infectious and parasitic diseases classified elsewhere, left ear	ICD-10-CM	Diagnosis
H75.03	Mastoiditis in infectious and parasitic diseases classified elsewhere, bilateral	ICD-10-CM	Diagnosis
H83	Other diseases of inner ear	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
H83.0	Labyrinthitis	ICD-10-CM	Diagnosis
H83.01	Labyrinthitis, right ear	ICD-10-CM	Diagnosis
H83.02	Labyrinthitis, left ear	ICD-10-CM	Diagnosis
H83.03	Labyrinthitis, bilateral	ICD-10-CM	Diagnosis
H83.09	Labyrinthitis, unspecified ear	ICD-10-CM	Diagnosis
J01	Acute sinusitis	ICD-10-CM	Diagnosis
J01.0	Acute maxillary sinusitis	ICD-10-CM	Diagnosis
J01.00	Acute maxillary sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.01	Acute recurrent maxillary sinusitis	ICD-10-CM	Diagnosis
J01.1	Acute frontal sinusitis	ICD-10-CM	Diagnosis
J01.10	Acute frontal sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.11	Acute recurrent frontal sinusitis	ICD-10-CM	Diagnosis
J01.2	Acute ethmoidal sinusitis	ICD-10-CM	Diagnosis
J01.20	Acute ethmoidal sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.21	Acute recurrent ethmoidal sinusitis	ICD-10-CM	Diagnosis
J01.3	Acute sphenoidal sinusitis	ICD-10-CM	Diagnosis
J01.30	Acute sphenoidal sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.31	Acute recurrent sphenoidal sinusitis	ICD-10-CM	Diagnosis
J01.4	Acute pansinusitis	ICD-10-CM	Diagnosis
J01.40	Acute pansinusitis, unspecified	ICD-10-CM	Diagnosis
J01.41	Acute recurrent pansinusitis	ICD-10-CM	Diagnosis
J01.8	Other acute sinusitis	ICD-10-CM	Diagnosis
J01.80	Other acute sinusitis	ICD-10-CM	Diagnosis
J01.81	Other acute recurrent sinusitis	ICD-10-CM	Diagnosis
J01.9	Acute sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.90	Acute sinusitis, unspecified	ICD-10-CM	Diagnosis
J01.91	Acute recurrent sinusitis, unspecified	ICD-10-CM	Diagnosis
J02	Acute pharyngitis	ICD-10-CM	Diagnosis
J02.0	Streptococcal pharyngitis	ICD-10-CM	Diagnosis
J02.8	Acute pharyngitis due to other specified organisms	ICD-10-CM	Diagnosis
J02.9	Acute pharyngitis, unspecified	ICD-10-CM	Diagnosis
J03	Acute tonsillitis	ICD-10-CM	Diagnosis
J03.0	Streptococcal tonsillitis	ICD-10-CM	Diagnosis
J03.00	Acute streptococcal tonsillitis, unspecified	ICD-10-CM	Diagnosis
J03.01	Acute recurrent streptococcal tonsillitis	ICD-10-CM	Diagnosis
J03.8	Acute tonsillitis due to other specified organisms	ICD-10-CM	Diagnosis
J03.80	Acute tonsillitis due to other specified organisms	ICD-10-CM	Diagnosis
J03.81	Acute recurrent tonsillitis due to other specified organisms	ICD-10-CM	Diagnosis
J03.9	Acute tonsillitis, unspecified	ICD-10-CM	Diagnosis
J03.90	Acute tonsillitis, unspecified	ICD-10-CM	Diagnosis
J03.91	Acute recurrent tonsillitis, unspecified	ICD-10-CM	Diagnosis
J04	Acute laryngitis and tracheitis	ICD-10-CM	Diagnosis
J04.1	Acute tracheitis	ICD-10-CM	Diagnosis
J04.10	Acute tracheitis without obstruction	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
J04.11	Acute tracheitis with obstruction	ICD-10-CM	Diagnosis
J04.3	Supraglottitis, unspecified	ICD-10-CM	Diagnosis
J04.30	Supraglottitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
J04.31	Supraglottitis, unspecified, with obstruction	ICD-10-CM	Diagnosis
J05	Acute obstructive laryngitis [croup] and epiglottitis	ICD-10-CM	Diagnosis
J05.1	Acute epiglottitis	ICD-10-CM	Diagnosis
J05.10	Acute epiglottitis without obstruction	ICD-10-CM	Diagnosis
J05.11	Acute epiglottitis with obstruction	ICD-10-CM	Diagnosis
Gastrointestinal Infections			
001	Cholera	ICD-9-CM	Diagnosis
001.0	Cholera due to <i>Vibrio cholerae</i>	ICD-9-CM	Diagnosis
001.1	Cholera due to <i>Vibrio cholerae</i> el tor	ICD-9-CM	Diagnosis
001.9	Unspecified cholera	ICD-9-CM	Diagnosis
002	Typhoid and paratyphoid fevers	ICD-9-CM	Diagnosis
002.0	Typhoid fever	ICD-9-CM	Diagnosis
002.1	Paratyphoid fever A	ICD-9-CM	Diagnosis
002.2	Paratyphoid fever B	ICD-9-CM	Diagnosis
002.3	Paratyphoid fever C	ICD-9-CM	Diagnosis
002.9	Unspecified paratyphoid fever	ICD-9-CM	Diagnosis
003	Other salmonella infections	ICD-9-CM	Diagnosis
003.0	Salmonella gastroenteritis	ICD-9-CM	Diagnosis
003.1	Salmonella septicemia	ICD-9-CM	Diagnosis
003.2	Localized salmonella infections	ICD-9-CM	Diagnosis
003.20	Unspecified localized salmonella infection	ICD-9-CM	Diagnosis
003.21	Salmonella meningitis	ICD-9-CM	Diagnosis
003.22	Salmonella pneumonia	ICD-9-CM	Diagnosis
003.23	Salmonella arthritis	ICD-9-CM	Diagnosis
003.24	Salmonella osteomyelitis	ICD-9-CM	Diagnosis
003.29	Other localized salmonella infections	ICD-9-CM	Diagnosis
003.8	Other specified salmonella infections	ICD-9-CM	Diagnosis
003.9	Unspecified salmonella infection	ICD-9-CM	Diagnosis
004	Shigellosis	ICD-9-CM	Diagnosis
004.0	Shigella dysenteriae	ICD-9-CM	Diagnosis
004.1	Shigella flexneri	ICD-9-CM	Diagnosis
004.2	Shigella boydii	ICD-9-CM	Diagnosis
004.3	Shigella sonnei	ICD-9-CM	Diagnosis
004.8	Other specified shigella infections	ICD-9-CM	Diagnosis
004.9	Unspecified shigellosis	ICD-9-CM	Diagnosis
005	Other food poisoning (bacterial)	ICD-9-CM	Diagnosis
005.0	Staphylococcal food poisoning	ICD-9-CM	Diagnosis
005.2	Food poisoning due to <i>Clostridium perfringens</i> (C. welchii)	ICD-9-CM	Diagnosis
005.3	Food poisoning due to other <i>Clostridia</i>	ICD-9-CM	Diagnosis
005.4	Food poisoning due to <i>Vibrio parahaemolyticus</i>	ICD-9-CM	Diagnosis
005.8	Other bacterial food poisoning	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
005.81	Food poisoning due to <i>Vibrio vulnificus</i>	ICD-9-CM	Diagnosis
005.89	Other bacterial food poisoning	ICD-9-CM	Diagnosis
005.9	Unspecified food poisoning	ICD-9-CM	Diagnosis
006	Amebiasis	ICD-9-CM	Diagnosis
006.0	Acute amebic dysentery without mention of abscess	ICD-9-CM	Diagnosis
006.1	Chronic intestinal amebiasis without mention of abscess	ICD-9-CM	Diagnosis
006.2	Amebic nondysenteric colitis	ICD-9-CM	Diagnosis
006.3	Amebic liver abscess	ICD-9-CM	Diagnosis
006.4	Amebic lung abscess	ICD-9-CM	Diagnosis
006.5	Amebic brain abscess	ICD-9-CM	Diagnosis
006.6	Amebic skin ulceration	ICD-9-CM	Diagnosis
006.8	Amebic infection of other sites	ICD-9-CM	Diagnosis
006.9	Unspecified amebiasis	ICD-9-CM	Diagnosis
007	Other protozoal intestinal diseases	ICD-9-CM	Diagnosis
007.0	Balantidiasis	ICD-9-CM	Diagnosis
007.1	Giardiasis	ICD-9-CM	Diagnosis
007.2	Coccidiosis	ICD-9-CM	Diagnosis
007.3	Intestinal trichomoniasis	ICD-9-CM	Diagnosis
007.4	Cryptosporidiosis	ICD-9-CM	Diagnosis
007.5	Cyclosporiasis	ICD-9-CM	Diagnosis
007.8	Other specified protozoal intestinal diseases	ICD-9-CM	Diagnosis
007.9	Unspecified protozoal intestinal disease	ICD-9-CM	Diagnosis
008	Intestinal infections due to other organisms	ICD-9-CM	Diagnosis
008.0	Intestinal infection due to <i>Escherichia coli</i> (<i>E. coli</i>)	ICD-9-CM	Diagnosis
008.00	Intestinal infection due to unspecified <i>E. coli</i>	ICD-9-CM	Diagnosis
008.01	Intestinal infection due to enteropathogenic <i>E. coli</i>	ICD-9-CM	Diagnosis
008.02	Intestinal infection due to enterotoxigenic <i>E. coli</i>	ICD-9-CM	Diagnosis
008.03	Intestinal infection due to enteroinvasive <i>E. coli</i>	ICD-9-CM	Diagnosis
008.09	Intestinal infection due to other intestinal <i>E. coli</i> infections	ICD-9-CM	Diagnosis
008.1	Intestinal infection due to Arizona group of paracolon bacilli	ICD-9-CM	Diagnosis
008.2	Intestinal infection due to <i>aerobacter aerogenes</i>	ICD-9-CM	Diagnosis
008.3	Intestinal infections due to <i>proteus (mirabilis) (morganii)</i>	ICD-9-CM	Diagnosis
008.4	Intestinal infections due to other specified bacteria	ICD-9-CM	Diagnosis
008.41	Intestinal infections due to <i>staphylococcus</i>	ICD-9-CM	Diagnosis
008.42	Intestinal infections due to <i>pseudomonas</i>	ICD-9-CM	Diagnosis
008.43	Intestinal infections due to <i>campylobacter</i>	ICD-9-CM	Diagnosis
008.44	Intestinal infections due to <i>yersinia enterocolitica</i>	ICD-9-CM	Diagnosis
008.45	Intestinal infections due to <i>clostridium difficile</i>	ICD-9-CM	Diagnosis
008.46	Intestinal infections due to other anaerobes	ICD-9-CM	Diagnosis
008.47	Intestinal infections due to other gram-negative bacteria	ICD-9-CM	Diagnosis
008.49	Intestinal infection due to other organisms	ICD-9-CM	Diagnosis
008.5	Intestinal infection due to unspecified bacterial enteritis	ICD-9-CM	Diagnosis
008.8	Intestinal infection due to other organism, NEC	ICD-9-CM	Diagnosis
009	Ill-defined intestinal infections	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
009.0	Infectious colitis, enteritis, and gastroenteritis	ICD-9-CM	Diagnosis
009.1	Colitis, enteritis, and gastroenteritis of presumed infectious origin	ICD-9-CM	Diagnosis
009.2	Infectious diarrhea	ICD-9-CM	Diagnosis
009.3	Diarrhea of presumed infectious origin	ICD-9-CM	Diagnosis
530	Diseases of esophagus	ICD-9-CM	Diagnosis
530.1	Esophagitis	ICD-9-CM	Diagnosis
530.10	Unspecified esophagitis	ICD-9-CM	Diagnosis
530.12	Acute esophagitis	ICD-9-CM	Diagnosis
530.19	Other esophagitis	ICD-9-CM	Diagnosis
530.4	Perforation of esophagus	ICD-9-CM	Diagnosis
530.86	Infection of esophagostomy	ICD-9-CM	Diagnosis
531	Gastric ulcer	ICD-9-CM	Diagnosis
531.0	Acute gastric ulcer with hemorrhage	ICD-9-CM	Diagnosis
531.00	Acute gastric ulcer with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
531.01	Acute gastric ulcer with hemorrhage and obstruction	ICD-9-CM	Diagnosis
531.1	Acute gastric ulcer with perforation	ICD-9-CM	Diagnosis
531.10	Acute gastric ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
531.11	Acute gastric ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
531.2	Acute gastric ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
531.20	Acute gastric ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
531.21	Acute gastric ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
531.3	Acute gastric ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
531.30	Acute gastric ulcer without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
531.31	Acute gastric ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
531.4	Chronic or unspecified gastric ulcer with hemorrhage	ICD-9-CM	Diagnosis
531.40	Chronic or unspecified gastric ulcer with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
531.41	Chronic or unspecified gastric ulcer with hemorrhage and obstruction	ICD-9-CM	Diagnosis
531.5	Chronic or unspecified gastric ulcer with perforation	ICD-9-CM	Diagnosis
531.50	Chronic or unspecified gastric ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
531.51	Chronic or unspecified gastric ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
531.6	Chronic or unspecified gastric ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
531.60	Chronic or unspecified gastric ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
531.61	Chronic or unspecified gastric ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
531.7	Chronic gastric ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
531.70	Chronic gastric ulcer without mention of hemorrhage, perforation, without mention of obstruction	ICD-9-CM	Diagnosis
531.71	Chronic gastric ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
531.9	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
531.90	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
531.91	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
532	Duodenal ulcer	ICD-9-CM	Diagnosis
532.0	Acute duodenal ulcer with hemorrhage	ICD-9-CM	Diagnosis
532.00	Acute duodenal ulcer with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
532.01	Acute duodenal ulcer with hemorrhage and obstruction	ICD-9-CM	Diagnosis
532.1	Acute duodenal ulcer with perforation	ICD-9-CM	Diagnosis
532.10	Acute duodenal ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
532.11	Acute duodenal ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
532.2	Acute duodenal ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
532.20	Acute duodenal ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
532.21	Acute duodenal ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
532.3	Acute duodenal ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
532.30	Acute duodenal ulcer without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
532.31	Acute duodenal ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
532.4	Chronic or unspecified duodenal ulcer with hemorrhage	ICD-9-CM	Diagnosis
532.40	Duodenal ulcer, chronic or unspecified, with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
532.41	Chronic or unspecified duodenal ulcer with hemorrhage and obstruction	ICD-9-CM	Diagnosis
532.5	Chronic or unspecified duodenal ulcer with perforation	ICD-9-CM	Diagnosis
532.50	Chronic or unspecified duodenal ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
532.51	Chronic or unspecified duodenal ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
532.6	Chronic or unspecified duodenal ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
532.60	Chronic or unspecified duodenal ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
532.61	Chronic or unspecified duodenal ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
532.7	Chronic duodenal ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
532.70	Chronic duodenal ulcer without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
532.71	Chronic duodenal ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
532.9	Duodenal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
532.90	Duodenal ulcer, unspecified as acute or chronic, without hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
532.91	Duodenal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
533	Peptic ulcer, site unspecified	ICD-9-CM	Diagnosis
533.0	Acute peptic ulcer, unspecified site, with hemorrhage	ICD-9-CM	Diagnosis
533.00	Acute peptic ulcer, unspecified site, with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
533.01	Acute peptic ulcer, unspecified site, with hemorrhage and obstruction	ICD-9-CM	Diagnosis
533.1	Acute peptic ulcer, unspecified site, with perforation	ICD-9-CM	Diagnosis
533.10	Acute peptic ulcer, unspecified site, with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
533.11	Acute peptic ulcer, unspecified site, with perforation and obstruction	ICD-9-CM	Diagnosis
533.2	Acute peptic ulcer, unspecified site, with hemorrhage and perforation	ICD-9-CM	Diagnosis
533.20	Acute peptic ulcer, unspecified site, with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
533.21	Acute peptic ulcer, unspecified site, with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
533.3	Acute peptic ulcer, unspecified site, without mention of hemorrhage and perforation	ICD-9-CM	Diagnosis
533.30	Acute peptic ulcer, unspecified site, without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
533.31	Acute peptic ulcer, unspecified site, without mention of hemorrhage and perforation, with obstruction	ICD-9-CM	Diagnosis
533.4	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage	ICD-9-CM	Diagnosis
533.40	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
533.41	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and obstruction	ICD-9-CM	Diagnosis
533.5	Chronic or unspecified peptic ulcer, unspecified site, with perforation	ICD-9-CM	Diagnosis
533.50	Chronic or unspecified peptic ulcer, unspecified site, with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
533.51	Chronic or unspecified peptic ulcer, unspecified site, with perforation and obstruction	ICD-9-CM	Diagnosis
533.6	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and perforation	ICD-9-CM	Diagnosis
533.60	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
533.61	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
533.7	Chronic peptic ulcer, unspecified site, without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
533.70	Chronic peptic ulcer, unspecified site, without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
533.71	Chronic peptic ulcer of unspecified site without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
533.9	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
533.90	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
533.91	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
534	Gastrojejunal ulcer	ICD-9-CM	Diagnosis
534.0	Acute gastrojejunal ulcer with hemorrhage	ICD-9-CM	Diagnosis
534.00	Acute gastrojejunal ulcer with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
534.01	Acute gastrojejunal ulcer, with hemorrhage and obstruction	ICD-9-CM	Diagnosis
534.1	Acute gastrojejunal ulcer with perforation	ICD-9-CM	Diagnosis
534.10	Acute gastrojejunal ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
534.11	Acute gastrojejunal ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
534.2	Acute gastrojejunal ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
534.20	Acute gastrojejunal ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
534.21	Acute gastrojejunal ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
534.3	Acute gastrojejunal ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
534.30	Acute gastrojejunal ulcer without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
534.31	Acute gastrojejunal ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
534.4	Chronic or unspecified gastrojejunal ulcer with hemorrhage	ICD-9-CM	Diagnosis
534.40	Chronic or unspecified gastrojejunal ulcer with hemorrhage, without mention of obstruction	ICD-9-CM	Diagnosis
534.41	Chronic or unspecified gastrojejunal ulcer, with hemorrhage and obstruction	ICD-9-CM	Diagnosis
534.5	Chronic or unspecified gastrojejunal ulcer with perforation	ICD-9-CM	Diagnosis
534.50	Chronic or unspecified gastrojejunal ulcer with perforation, without mention of obstruction	ICD-9-CM	Diagnosis
534.51	Chronic or unspecified gastrojejunal ulcer with perforation and obstruction	ICD-9-CM	Diagnosis
534.6	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation	ICD-9-CM	Diagnosis
534.60	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation, without mention of obstruction	ICD-9-CM	Diagnosis
534.61	Chronic or unspecified gastrojejunal ulcer with hemorrhage, perforation, and obstruction	ICD-9-CM	Diagnosis
534.7	Chronic gastrojejunal ulcer without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
534.70	Chronic gastrojejunal ulcer without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis
534.71	Chronic gastrojejunal ulcer without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
534.9	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	ICD-9-CM	Diagnosis
534.90	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
534.91	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	ICD-9-CM	Diagnosis
536	Disorders of function of stomach	ICD-9-CM	Diagnosis
536.41	Infection of gastrostomy	ICD-9-CM	Diagnosis
537	Other disorders of stomach and duodenum	ICD-9-CM	Diagnosis
537.4	Fistula of stomach or duodenum	ICD-9-CM	Diagnosis
539	Complications of bariatric procedures	ICD-9-CM	Diagnosis
539.01	Infection due to gastric band procedure	ICD-9-CM	Diagnosis
539.81	Infection due to other bariatric procedure	ICD-9-CM	Diagnosis
540	Acute appendicitis	ICD-9-CM	Diagnosis
540.0	Acute appendicitis with generalized peritonitis	ICD-9-CM	Diagnosis
540.1	Acute appendicitis with peritoneal abscess	ICD-9-CM	Diagnosis
540.9	Acute appendicitis without mention of peritonitis	ICD-9-CM	Diagnosis
541	Appendicitis, unqualified	ICD-9-CM	Diagnosis
542	Other appendicitis	ICD-9-CM	Diagnosis
550	Inguinal hernia	ICD-9-CM	Diagnosis
550.0	Inguinal hernia, with gangrene	ICD-9-CM	Diagnosis
550.00	Inguinal hernia with gangrene, unilateral or unspecified, (not specified as recurrent)	ICD-9-CM	Diagnosis
550.01	Inguinal hernia with gangrene, recurrent unilateral or unspecified inguinal hernia	ICD-9-CM	Diagnosis
550.02	Inguinal hernia with gangrene, bilateral	ICD-9-CM	Diagnosis
550.03	Inguinal hernia with gangrene, recurrent bilateral	ICD-9-CM	Diagnosis
551	Other hernia of abdominal cavity, with gangrene	ICD-9-CM	Diagnosis
551.0	Femoral hernia with gangrene	ICD-9-CM	Diagnosis
551.00	Femoral hernia with gangrene, unilateral or unspecified (not specified as recurrent)	ICD-9-CM	Diagnosis
551.01	Femoral hernia with gangrene, recurrent unilateral or unspecified	ICD-9-CM	Diagnosis
551.02	Femoral hernia with gangrene, bilateral, (not specified as recurrent)	ICD-9-CM	Diagnosis
551.03	Femoral hernia with gangrene, recurrent bilateral	ICD-9-CM	Diagnosis
551.1	Umbilical hernia with gangrene	ICD-9-CM	Diagnosis
551.2	Ventral hernia with gangrene	ICD-9-CM	Diagnosis
551.20	Unspecified ventral hernia with gangrene	ICD-9-CM	Diagnosis
551.21	Incisional ventral hernia, with gangrene	ICD-9-CM	Diagnosis
551.29	Other ventral hernia with gangrene	ICD-9-CM	Diagnosis
551.3	Diaphragmatic hernia with gangrene	ICD-9-CM	Diagnosis
551.8	Hernia of other specified sites, with gangrene	ICD-9-CM	Diagnosis
551.9	Hernia of unspecified site, with gangrene	ICD-9-CM	Diagnosis
555	Regional enteritis	ICD-9-CM	Diagnosis
555.0	Regional enteritis of small intestine	ICD-9-CM	Diagnosis
555.1	Regional enteritis of large intestine	ICD-9-CM	Diagnosis
555.2	Regional enteritis of small intestine with large intestine	ICD-9-CM	Diagnosis
555.9	Regional enteritis of unspecified site	ICD-9-CM	Diagnosis
556	Ulcerative colitis	ICD-9-CM	Diagnosis
556.0	Ulcerative (chronic) enterocolitis	ICD-9-CM	Diagnosis
556.1	Ulcerative (chronic) ileocolitis	ICD-9-CM	Diagnosis
556.2	Ulcerative (chronic) proctitis	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
556.3	Ulcerative (chronic) proctosigmoiditis	ICD-9-CM	Diagnosis
556.5	Left sided ulcerative (chronic) colitis	ICD-9-CM	Diagnosis
556.6	Universal ulcerative (chronic) colitis	ICD-9-CM	Diagnosis
556.8	Other ulcerative colitis	ICD-9-CM	Diagnosis
556.9	Unspecified ulcerative colitis	ICD-9-CM	Diagnosis
562	Diverticula of intestine	ICD-9-CM	Diagnosis
562.01	Diverticulitis of small intestine (without mention of hemorrhage)	ICD-9-CM	Diagnosis
562.03	Diverticulitis of small intestine with hemorrhage	ICD-9-CM	Diagnosis
562.11	Diverticulitis of colon (without mention of hemorrhage)	ICD-9-CM	Diagnosis
562.13	Diverticulitis of colon with hemorrhage	ICD-9-CM	Diagnosis
565	Anal fissure and fistula	ICD-9-CM	Diagnosis
565.1	Anal fistula	ICD-9-CM	Diagnosis
566	Abscess of anal and rectal regions	ICD-9-CM	Diagnosis
567	Peritonitis and retroperitoneal infections	ICD-9-CM	Diagnosis
567.0	Peritonitis in infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
567.1	Pneumococcal peritonitis	ICD-9-CM	Diagnosis
567.2	Other suppurative peritonitis	ICD-9-CM	Diagnosis
567.21	Peritonitis (acute) generalized	ICD-9-CM	Diagnosis
567.22	Peritoneal abscess	ICD-9-CM	Diagnosis
567.23	Spontaneous bacterial peritonitis	ICD-9-CM	Diagnosis
567.29	Other suppurative peritonitis	ICD-9-CM	Diagnosis
567.3	Retroperitoneal infections	ICD-9-CM	Diagnosis
567.31	Psoas muscle abscess	ICD-9-CM	Diagnosis
567.38	Other retroperitoneal abscess	ICD-9-CM	Diagnosis
567.39	Other retroperitoneal infections	ICD-9-CM	Diagnosis
567.8	Other specified peritonitis	ICD-9-CM	Diagnosis
567.81	Choleperitonitis	ICD-9-CM	Diagnosis
567.82	Sclerosing mesenteritis	ICD-9-CM	Diagnosis
567.89	Other specified peritonitis	ICD-9-CM	Diagnosis
567.9	Unspecified peritonitis	ICD-9-CM	Diagnosis
568	Other disorders of peritoneum	ICD-9-CM	Diagnosis
569	Other disorders of intestine	ICD-9-CM	Diagnosis
569.5	Abscess of intestine	ICD-9-CM	Diagnosis
569.61	Infection of colostomy or enterostomy	ICD-9-CM	Diagnosis
569.71	Pouchitis	ICD-9-CM	Diagnosis
569.81	Fistula of intestine, excluding rectum and anus	ICD-9-CM	Diagnosis
569.83	Perforation of intestine	ICD-9-CM	Diagnosis
572	Liver abscess and sequelae of chronic liver disease	ICD-9-CM	Diagnosis
572.0	Abscess of liver	ICD-9-CM	Diagnosis
572.1	Portal pyemia	ICD-9-CM	Diagnosis
574	Cholelithiasis	ICD-9-CM	Diagnosis
574.0	Calculus of gallbladder with acute cholecystitis	ICD-9-CM	Diagnosis
574.00	Calculus of gallbladder with acute cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.01	Calculus of gallbladder with acute cholecystitis and obstruction	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
574.1	Calculus of gallbladder with other cholecystitis	ICD-9-CM	Diagnosis
574.10	Calculus of gallbladder with other cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.11	Calculus of gallbladder with other cholecystitis and obstruction	ICD-9-CM	Diagnosis
574.3	Calculus of bile duct with acute cholecystitis	ICD-9-CM	Diagnosis
574.30	Calculus of bile duct with acute cholecystitis without mention of obstruction	ICD-9-CM	Diagnosis
574.31	Calculus of bile duct with acute cholecystitis and obstruction	ICD-9-CM	Diagnosis
574.4	Calculus of bile duct with other cholecystitis	ICD-9-CM	Diagnosis
574.40	Calculus of bile duct with other cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.41	Calculus of bile duct with other cholecystitis and obstruction	ICD-9-CM	Diagnosis
574.6	Calculus of gallbladder and bile duct with acute cholecystitis	ICD-9-CM	Diagnosis
574.60	Calculus of gallbladder and bile duct with acute cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.61	Calculus of gallbladder and bile duct with acute cholecystitis, with obstruction	ICD-9-CM	Diagnosis
574.7	Calculus of gallbladder and bile duct with other cholecystitis	ICD-9-CM	Diagnosis
574.70	Calculus of gallbladder and bile duct with other cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.71	Calculus of gallbladder and bile duct with other cholecystitis, with obstruction	ICD-9-CM	Diagnosis
574.8	Calculus of gallbladder and bile duct with acute and chronic cholecystitis	ICD-9-CM	Diagnosis
574.80	Calculus of gallbladder and bile duct with acute and chronic cholecystitis, without mention of obstruction	ICD-9-CM	Diagnosis
574.81	Calculus of gallbladder and bile duct with acute and chronic cholecystitis, with obstruction	ICD-9-CM	Diagnosis
575	Other disorders of gallbladder	ICD-9-CM	Diagnosis
575.0	Acute cholecystitis	ICD-9-CM	Diagnosis
575.1	Other cholecystitis	ICD-9-CM	Diagnosis
575.10	Cholecystitis, unspecified	ICD-9-CM	Diagnosis
575.11	Chronic cholecystitis	ICD-9-CM	Diagnosis
575.12	Acute and chronic cholecystitis	ICD-9-CM	Diagnosis
575.2	Obstruction of gallbladder	ICD-9-CM	Diagnosis
575.4	Perforation of gallbladder	ICD-9-CM	Diagnosis
575.5	Fistula of gallbladder	ICD-9-CM	Diagnosis
576	Other disorders of biliary tract	ICD-9-CM	Diagnosis
576.1	Cholangitis	ICD-9-CM	Diagnosis
576.2	Obstruction of bile duct	ICD-9-CM	Diagnosis
576.3	Perforation of bile duct	ICD-9-CM	Diagnosis
576.4	Fistula of bile duct	ICD-9-CM	Diagnosis
577	Diseases of pancreas	ICD-9-CM	Diagnosis
577.0	Acute pancreatitis	ICD-9-CM	Diagnosis
579	Intestinal malabsorption	ICD-9-CM	Diagnosis
579.1	Tropical sprue	ICD-9-CM	Diagnosis
A00	Cholera	ICD-10-CM	Diagnosis
A00.0	Cholera due to <i>Vibrio cholerae</i> O1, biovar cholerae	ICD-10-CM	Diagnosis
A00.1	Cholera due to <i>Vibrio cholerae</i> O1, biovar eltor	ICD-10-CM	Diagnosis
A00.9	Cholera, unspecified	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
A01	Typhoid and paratyphoid fevers	ICD-10-CM	Diagnosis
A01.0	Typhoid fever	ICD-10-CM	Diagnosis
A01.00	Typhoid fever, unspecified	ICD-10-CM	Diagnosis
A01.01	Typhoid meningitis	ICD-10-CM	Diagnosis
A01.02	Typhoid fever with heart involvement	ICD-10-CM	Diagnosis
A01.03	Typhoid pneumonia	ICD-10-CM	Diagnosis
A01.04	Typhoid arthritis	ICD-10-CM	Diagnosis
A01.05	Typhoid osteomyelitis	ICD-10-CM	Diagnosis
A01.09	Typhoid fever with other complications	ICD-10-CM	Diagnosis
A01.1	Paratyphoid fever A	ICD-10-CM	Diagnosis
A01.2	Paratyphoid fever B	ICD-10-CM	Diagnosis
A01.3	Paratyphoid fever C	ICD-10-CM	Diagnosis
A01.4	Paratyphoid fever, unspecified	ICD-10-CM	Diagnosis
A02	Other salmonella infections	ICD-10-CM	Diagnosis
A02.0	Salmonella enteritis	ICD-10-CM	Diagnosis
A02.1	Salmonella sepsis	ICD-10-CM	Diagnosis
A02.2	Localized salmonella infections	ICD-10-CM	Diagnosis
A02.20	Localized salmonella infection, unspecified	ICD-10-CM	Diagnosis
A02.21	Salmonella meningitis	ICD-10-CM	Diagnosis
A02.22	Salmonella pneumonia	ICD-10-CM	Diagnosis
A02.23	Salmonella arthritis	ICD-10-CM	Diagnosis
A02.24	Salmonella osteomyelitis	ICD-10-CM	Diagnosis
A02.25	Salmonella pyelonephritis	ICD-10-CM	Diagnosis
A02.29	Salmonella with other localized infection	ICD-10-CM	Diagnosis
A02.8	Other specified salmonella infections	ICD-10-CM	Diagnosis
A02.9	Salmonella infection, unspecified	ICD-10-CM	Diagnosis
A03	Shigellosis	ICD-10-CM	Diagnosis
A03.0	Shigellosis due to Shigella dysenteriae	ICD-10-CM	Diagnosis
A03.1	Shigellosis due to Shigella flexneri	ICD-10-CM	Diagnosis
A03.2	Shigellosis due to Shigella boydii	ICD-10-CM	Diagnosis
A03.3	Shigellosis due to Shigella sonnei	ICD-10-CM	Diagnosis
A03.8	Other shigellosis	ICD-10-CM	Diagnosis
A03.9	Shigellosis, unspecified	ICD-10-CM	Diagnosis
A04	Other bacterial intestinal infections	ICD-10-CM	Diagnosis
A04.0	Enteropathogenic Escherichia coli infection	ICD-10-CM	Diagnosis
A04.1	Enterotoxigenic Escherichia coli infection	ICD-10-CM	Diagnosis
A04.2	Enteroinvasive Escherichia coli infection	ICD-10-CM	Diagnosis
A04.4	Other intestinal Escherichia coli infections	ICD-10-CM	Diagnosis
A04.5	Campylobacter enteritis	ICD-10-CM	Diagnosis
A04.6	Enteritis due to Yersinia enterocolitica	ICD-10-CM	Diagnosis
A04.7	Enterocolitis due to Clostridium difficile	ICD-10-CM	Diagnosis
A04.71	Enterocolitis due to Clostridium difficile, recurrent	ICD-10-CM	Diagnosis
A04.72	Enterocolitis due to Clostridium difficile, not specified as recurrent	ICD-10-CM	Diagnosis
A04.8	Other specified bacterial intestinal infections	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
A04.9	Bacterial intestinal infection, unspecified	ICD-10-CM	Diagnosis
A05	Other bacterial foodborne intoxications, not elsewhere classified	ICD-10-CM	Diagnosis
A05.0	Foodborne staphylococcal intoxication	ICD-10-CM	Diagnosis
A05.2	Foodborne Clostridium perfringens [Clostridium welchii] intoxication	ICD-10-CM	Diagnosis
A05.3	Foodborne Vibrio parahaemolyticus intoxication	ICD-10-CM	Diagnosis
A05.4	Foodborne Bacillus cereus intoxication	ICD-10-CM	Diagnosis
A05.5	Foodborne Vibrio vulnificus intoxication	ICD-10-CM	Diagnosis
A05.8	Other specified bacterial foodborne intoxications	ICD-10-CM	Diagnosis
A05.9	Bacterial foodborne intoxication, unspecified	ICD-10-CM	Diagnosis
A06	Amebiasis	ICD-10-CM	Diagnosis
A06.0	Acute amebic dysentery	ICD-10-CM	Diagnosis
A06.1	Chronic intestinal amebiasis	ICD-10-CM	Diagnosis
A06.2	Amebic nondysenteric colitis	ICD-10-CM	Diagnosis
A06.3	Ameboma of intestine	ICD-10-CM	Diagnosis
A06.4	Amebic liver abscess	ICD-10-CM	Diagnosis
A06.5	Amebic lung abscess	ICD-10-CM	Diagnosis
A06.6	Amebic brain abscess	ICD-10-CM	Diagnosis
A06.7	Cutaneous amebiasis	ICD-10-CM	Diagnosis
A06.8	Amebic infection of other sites	ICD-10-CM	Diagnosis
A06.81	Amebic cystitis	ICD-10-CM	Diagnosis
A06.82	Other amebic genitourinary infections	ICD-10-CM	Diagnosis
A06.89	Other amebic infections	ICD-10-CM	Diagnosis
A06.9	Amebiasis, unspecified	ICD-10-CM	Diagnosis
A07	Other protozoal intestinal diseases	ICD-10-CM	Diagnosis
A07.0	Balantidiasis	ICD-10-CM	Diagnosis
A07.1	Giardiasis [lamblia]s]	ICD-10-CM	Diagnosis
A07.2	Cryptosporidiosis	ICD-10-CM	Diagnosis
A07.3	Isosporiasis	ICD-10-CM	Diagnosis
A07.4	Cyclosporiasis	ICD-10-CM	Diagnosis
A07.8	Other specified protozoal intestinal diseases	ICD-10-CM	Diagnosis
A07.9	Protozoal intestinal disease, unspecified	ICD-10-CM	Diagnosis
A08	Viral and other specified intestinal infections	ICD-10-CM	Diagnosis
A08.8	Other specified intestinal infections	ICD-10-CM	Diagnosis
A09	Infectious gastroenteritis and colitis, unspecified	ICD-10-CM	Diagnosis
K20	Esophagitis	ICD-10-CM	Diagnosis
K20.8	Other esophagitis	ICD-10-CM	Diagnosis
K20.9	Esophagitis, unspecified	ICD-10-CM	Diagnosis
K22	Other diseases of esophagus	ICD-10-CM	Diagnosis
K22.3	Perforation of esophagus	ICD-10-CM	Diagnosis
K25	Gastric ulcer	ICD-10-CM	Diagnosis
K25.0	Acute gastric ulcer with hemorrhage	ICD-10-CM	Diagnosis
K25.1	Acute gastric ulcer with perforation	ICD-10-CM	Diagnosis
K25.2	Acute gastric ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K25.3	Acute gastric ulcer without hemorrhage or perforation	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K25.4	Chronic or unspecified gastric ulcer with hemorrhage	ICD-10-CM	Diagnosis
K25.5	Chronic or unspecified gastric ulcer with perforation	ICD-10-CM	Diagnosis
K25.6	Chronic or unspecified gastric ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K25.7	Chronic gastric ulcer without hemorrhage or perforation	ICD-10-CM	Diagnosis
K25.9	Gastric ulcer, unspecified as acute or chronic, without hemorrhage or perforation	ICD-10-CM	Diagnosis
K26	Duodenal ulcer	ICD-10-CM	Diagnosis
K26.0	Acute duodenal ulcer with hemorrhage	ICD-10-CM	Diagnosis
K26.1	Acute duodenal ulcer with perforation	ICD-10-CM	Diagnosis
K26.2	Acute duodenal ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K26.3	Acute duodenal ulcer without hemorrhage or perforation	ICD-10-CM	Diagnosis
K26.4	Chronic or unspecified duodenal ulcer with hemorrhage	ICD-10-CM	Diagnosis
K26.5	Chronic or unspecified duodenal ulcer with perforation	ICD-10-CM	Diagnosis
K26.6	Chronic or unspecified duodenal ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K26.7	Chronic duodenal ulcer without hemorrhage or perforation	ICD-10-CM	Diagnosis
K26.9	Duodenal ulcer, unspecified as acute or chronic, without hemorrhage or perforation	ICD-10-CM	Diagnosis
K27	Peptic ulcer, site unspecified	ICD-10-CM	Diagnosis
K27.0	Acute peptic ulcer, site unspecified, with hemorrhage	ICD-10-CM	Diagnosis
K27.1	Acute peptic ulcer, site unspecified, with perforation	ICD-10-CM	Diagnosis
K27.2	Acute peptic ulcer, site unspecified, with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K27.3	Acute peptic ulcer, site unspecified, without hemorrhage or perforation	ICD-10-CM	Diagnosis
K27.4	Chronic or unspecified peptic ulcer, site unspecified, with hemorrhage	ICD-10-CM	Diagnosis
K27.5	Chronic or unspecified peptic ulcer, site unspecified, with perforation	ICD-10-CM	Diagnosis
K27.6	Chronic or unspecified peptic ulcer, site unspecified, with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K27.7	Chronic peptic ulcer, site unspecified, without hemorrhage or perforation	ICD-10-CM	Diagnosis
K27.9	Peptic ulcer, site unspecified, unspecified as acute or chronic, without hemorrhage or perforation	ICD-10-CM	Diagnosis
K28	Gastrojejunal ulcer	ICD-10-CM	Diagnosis
K28.1	Acute gastrojejunal ulcer with perforation	ICD-10-CM	Diagnosis
K28.2	Acute gastrojejunal ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K28.5	Chronic or unspecified gastrojejunal ulcer with perforation	ICD-10-CM	Diagnosis
K28.6	Chronic or unspecified gastrojejunal ulcer with both hemorrhage and perforation	ICD-10-CM	Diagnosis
K31	Other diseases of stomach and duodenum	ICD-10-CM	Diagnosis
K31.6	Fistula of stomach and duodenum	ICD-10-CM	Diagnosis
K35	Acute appendicitis	ICD-10-CM	Diagnosis
K35.2	Acute appendicitis with generalized peritonitis	ICD-10-CM	Diagnosis
K35.3	Acute appendicitis with localized peritonitis	ICD-10-CM	Diagnosis
K35.8	Other and unspecified acute appendicitis	ICD-10-CM	Diagnosis
K35.80	Unspecified acute appendicitis	ICD-10-CM	Diagnosis
K35.89	Other acute appendicitis	ICD-10-CM	Diagnosis
K36	Other appendicitis	ICD-10-CM	Diagnosis
K37	Unspecified appendicitis	ICD-10-CM	Diagnosis
K38	Other diseases of appendix	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K38.3	Fistula of appendix	ICD-10-CM	Diagnosis
K40	Inguinal hernia	ICD-10-CM	Diagnosis
K40.1	Bilateral inguinal hernia, with gangrene	ICD-10-CM	Diagnosis
K40.10	Bilateral inguinal hernia, with gangrene, not specified as recurrent	ICD-10-CM	Diagnosis
K40.11	Bilateral inguinal hernia, with gangrene, recurrent	ICD-10-CM	Diagnosis
K40.4	Unilateral inguinal hernia, with gangrene	ICD-10-CM	Diagnosis
K40.40	Unilateral inguinal hernia, with gangrene, not specified as recurrent	ICD-10-CM	Diagnosis
K40.41	Unilateral inguinal hernia, with gangrene, recurrent	ICD-10-CM	Diagnosis
K41	Femoral hernia	ICD-10-CM	Diagnosis
K41.1	Bilateral femoral hernia, with gangrene	ICD-10-CM	Diagnosis
K41.10	Bilateral femoral hernia, with gangrene, not specified as recurrent	ICD-10-CM	Diagnosis
K41.11	Bilateral femoral hernia, with gangrene, recurrent	ICD-10-CM	Diagnosis
K41.4	Unilateral femoral hernia, with gangrene	ICD-10-CM	Diagnosis
K41.40	Unilateral femoral hernia, with gangrene, not specified as recurrent	ICD-10-CM	Diagnosis
K41.41	Unilateral femoral hernia, with gangrene, recurrent	ICD-10-CM	Diagnosis
K42	Umbilical hernia	ICD-10-CM	Diagnosis
K42.1	Umbilical hernia with gangrene	ICD-10-CM	Diagnosis
K43	Ventral hernia	ICD-10-CM	Diagnosis
K43.1	Incisional hernia with gangrene	ICD-10-CM	Diagnosis
K43.4	Parastomal hernia with gangrene	ICD-10-CM	Diagnosis
K43.7	Other and unspecified ventral hernia with gangrene	ICD-10-CM	Diagnosis
K44	Diaphragmatic hernia	ICD-10-CM	Diagnosis
K44.1	Diaphragmatic hernia with gangrene	ICD-10-CM	Diagnosis
K45	Other abdominal hernia	ICD-10-CM	Diagnosis
K45.1	Other specified abdominal hernia with gangrene	ICD-10-CM	Diagnosis
K46	Unspecified abdominal hernia	ICD-10-CM	Diagnosis
K46.1	Unspecified abdominal hernia with gangrene	ICD-10-CM	Diagnosis
K50	Crohn's disease [regional enteritis]	ICD-10-CM	Diagnosis
K50.0	Crohn's disease of small intestine	ICD-10-CM	Diagnosis
K50.00	Crohn's disease of small intestine without complications	ICD-10-CM	Diagnosis
K50.01	Crohn's disease of small intestine with complications	ICD-10-CM	Diagnosis
K50.011	Crohn's disease of small intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.012	Crohn's disease of small intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.013	Crohn's disease of small intestine with fistula	ICD-10-CM	Diagnosis
K50.014	Crohn's disease of small intestine with abscess	ICD-10-CM	Diagnosis
K50.018	Crohn's disease of small intestine with other complication	ICD-10-CM	Diagnosis
K50.019	Crohn's disease of small intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.1	Crohn's disease of large intestine	ICD-10-CM	Diagnosis
K50.10	Crohn's disease of large intestine without complications	ICD-10-CM	Diagnosis
K50.11	Crohn's disease of large intestine with complications	ICD-10-CM	Diagnosis
K50.111	Crohn's disease of large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.112	Crohn's disease of large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.113	Crohn's disease of large intestine with fistula	ICD-10-CM	Diagnosis
K50.114	Crohn's disease of large intestine with abscess	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K50.118	Crohn's disease of large intestine with other complication	ICD-10-CM	Diagnosis
K50.119	Crohn's disease of large intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.8	Crohn's disease of both small and large intestine	ICD-10-CM	Diagnosis
K50.80	Crohn's disease of both small and large intestine without complications	ICD-10-CM	Diagnosis
K50.81	Crohn's disease of both small and large intestine with complications	ICD-10-CM	Diagnosis
K50.811	Crohn's disease of both small and large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.812	Crohn's disease of both small and large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.813	Crohn's disease of both small and large intestine with fistula	ICD-10-CM	Diagnosis
K50.814	Crohn's disease of both small and large intestine with abscess	ICD-10-CM	Diagnosis
K50.818	Crohn's disease of both small and large intestine with other complication	ICD-10-CM	Diagnosis
K50.819	Crohn's disease of both small and large intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.9	Crohn's disease, unspecified	ICD-10-CM	Diagnosis
K50.90	Crohn's disease, unspecified, without complications	ICD-10-CM	Diagnosis
K50.91	Crohn's disease, unspecified, with complications	ICD-10-CM	Diagnosis
K50.911	Crohn's disease, unspecified, with rectal bleeding	ICD-10-CM	Diagnosis
K50.912	Crohn's disease, unspecified, with intestinal obstruction	ICD-10-CM	Diagnosis
K50.913	Crohn's disease, unspecified, with fistula	ICD-10-CM	Diagnosis
K50.914	Crohn's disease, unspecified, with abscess	ICD-10-CM	Diagnosis
K50.918	Crohn's disease, unspecified, with other complication	ICD-10-CM	Diagnosis
K50.919	Crohn's disease, unspecified, with unspecified complications	ICD-10-CM	Diagnosis
K51	Ulcerative colitis	ICD-10-CM	Diagnosis
K51.0	Ulcerative (chronic) pancolitis	ICD-10-CM	Diagnosis
K51.00	Ulcerative (chronic) pancolitis without complications	ICD-10-CM	Diagnosis
K51.01	Ulcerative (chronic) pancolitis with complications	ICD-10-CM	Diagnosis
K51.011	Ulcerative (chronic) pancolitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.012	Ulcerative (chronic) pancolitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.013	Ulcerative (chronic) pancolitis with fistula	ICD-10-CM	Diagnosis
K51.014	Ulcerative (chronic) pancolitis with abscess	ICD-10-CM	Diagnosis
K51.018	Ulcerative (chronic) pancolitis with other complication	ICD-10-CM	Diagnosis
K51.019	Ulcerative (chronic) pancolitis with unspecified complications	ICD-10-CM	Diagnosis
K51.2	Ulcerative (chronic) proctitis	ICD-10-CM	Diagnosis
K51.20	Ulcerative (chronic) proctitis without complications	ICD-10-CM	Diagnosis
K51.21	Ulcerative (chronic) proctitis with complications	ICD-10-CM	Diagnosis
K51.211	Ulcerative (chronic) proctitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.212	Ulcerative (chronic) proctitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.213	Ulcerative (chronic) proctitis with fistula	ICD-10-CM	Diagnosis
K51.214	Ulcerative (chronic) proctitis with abscess	ICD-10-CM	Diagnosis
K51.218	Ulcerative (chronic) proctitis with other complication	ICD-10-CM	Diagnosis
K51.219	Ulcerative (chronic) proctitis with unspecified complications	ICD-10-CM	Diagnosis
K51.3	Ulcerative (chronic) rectosigmoiditis	ICD-10-CM	Diagnosis
K51.30	Ulcerative (chronic) rectosigmoiditis without complications	ICD-10-CM	Diagnosis
K51.31	Ulcerative (chronic) rectosigmoiditis with complications	ICD-10-CM	Diagnosis
K51.311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	ICD-10-CM	Diagnosis
K51.312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K51.313	Ulcerative (chronic) rectosigmoiditis with fistula	ICD-10-CM	Diagnosis
K51.314	Ulcerative (chronic) rectosigmoiditis with abscess	ICD-10-CM	Diagnosis
K51.318	Ulcerative (chronic) rectosigmoiditis with other complication	ICD-10-CM	Diagnosis
K51.319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	ICD-10-CM	Diagnosis
K51.413	Inflammatory polyps of colon with fistula	ICD-10-CM	Diagnosis
K51.414	Inflammatory polyps of colon with abscess	ICD-10-CM	Diagnosis
K51.5	Left sided colitis	ICD-10-CM	Diagnosis
K51.50	Left sided colitis without complications	ICD-10-CM	Diagnosis
K51.51	Left sided colitis with complications	ICD-10-CM	Diagnosis
K51.511	Left sided colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.512	Left sided colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.513	Left sided colitis with fistula	ICD-10-CM	Diagnosis
K51.514	Left sided colitis with abscess	ICD-10-CM	Diagnosis
K51.518	Left sided colitis with other complication	ICD-10-CM	Diagnosis
K51.519	Left sided colitis with unspecified complications	ICD-10-CM	Diagnosis
K51.8	Other ulcerative colitis	ICD-10-CM	Diagnosis
K51.80	Other ulcerative colitis without complications	ICD-10-CM	Diagnosis
K51.81	Other ulcerative colitis with complications	ICD-10-CM	Diagnosis
K51.811	Other ulcerative colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.812	Other ulcerative colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.813	Other ulcerative colitis with fistula	ICD-10-CM	Diagnosis
K51.814	Other ulcerative colitis with abscess	ICD-10-CM	Diagnosis
K51.818	Other ulcerative colitis with other complication	ICD-10-CM	Diagnosis
K51.819	Other ulcerative colitis with unspecified complications	ICD-10-CM	Diagnosis
K51.9	Ulcerative colitis, unspecified	ICD-10-CM	Diagnosis
K51.90	Ulcerative colitis, unspecified, without complications	ICD-10-CM	Diagnosis
K51.91	Ulcerative colitis, unspecified, with complications	ICD-10-CM	Diagnosis
K51.911	Ulcerative colitis, unspecified with rectal bleeding	ICD-10-CM	Diagnosis
K51.912	Ulcerative colitis, unspecified with intestinal obstruction	ICD-10-CM	Diagnosis
K51.913	Ulcerative colitis, unspecified with fistula	ICD-10-CM	Diagnosis
K51.914	Ulcerative colitis, unspecified with abscess	ICD-10-CM	Diagnosis
K51.918	Ulcerative colitis, unspecified with other complication	ICD-10-CM	Diagnosis
K51.919	Ulcerative colitis, unspecified with unspecified complications	ICD-10-CM	Diagnosis
K55	Vascular disorders of intestine	ICD-10-CM	Diagnosis
K55.3	Necrotizing enterocolitis	ICD-10-CM	Diagnosis
K55.30	Necrotizing enterocolitis, unspecified	ICD-10-CM	Diagnosis
K55.31	Stage 1 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K55.32	Stage 2 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K55.33	Stage 3 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K57	Diverticular disease of intestine	ICD-10-CM	Diagnosis
K57.0	Diverticulitis of small intestine with perforation and abscess	ICD-10-CM	Diagnosis
K57.00	Diverticulitis of small intestine with perforation and abscess without bleeding	ICD-10-CM	Diagnosis
K57.01	Diverticulitis of small intestine with perforation and abscess with bleeding	ICD-10-CM	Diagnosis
K57.12	Diverticulitis of small intestine without perforation or abscess without bleeding	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K57.13	Diverticulitis of small intestine without perforation or abscess with bleeding	ICD-10-CM	Diagnosis
K57.2	Diverticulitis of large intestine with perforation and abscess	ICD-10-CM	Diagnosis
K57.20	Diverticulitis of large intestine with perforation and abscess without bleeding	ICD-10-CM	Diagnosis
K57.21	Diverticulitis of large intestine with perforation and abscess with bleeding	ICD-10-CM	Diagnosis
K57.32	Diverticulitis of large intestine without perforation or abscess without bleeding	ICD-10-CM	Diagnosis
K57.33	Diverticulitis of large intestine without perforation or abscess with bleeding	ICD-10-CM	Diagnosis
K57.4	Diverticulitis of both small and large intestine with perforation and abscess	ICD-10-CM	Diagnosis
K57.40	Diverticulitis of both small and large intestine with perforation and abscess without bleeding	ICD-10-CM	Diagnosis
K57.41	Diverticulitis of both small and large intestine with perforation and abscess with bleeding	ICD-10-CM	Diagnosis
K57.52	Diverticulitis of both small and large intestine without perforation or abscess without bleeding	ICD-10-CM	Diagnosis
K57.53	Diverticulitis of both small and large intestine without perforation or abscess with bleeding	ICD-10-CM	Diagnosis
K57.8	Diverticulitis of intestine, part unspecified, with perforation and abscess	ICD-10-CM	Diagnosis
K57.80	Diverticulitis of intestine, part unspecified, with perforation and abscess without bleeding	ICD-10-CM	Diagnosis
K57.81	Diverticulitis of intestine, part unspecified, with perforation and abscess with bleeding	ICD-10-CM	Diagnosis
K57.92	Diverticulitis of intestine, part unspecified, without perforation or abscess without bleeding	ICD-10-CM	Diagnosis
K57.93	Diverticulitis of intestine, part unspecified, without perforation or abscess with bleeding	ICD-10-CM	Diagnosis
K60	Fissure and fistula of anal and rectal regions	ICD-10-CM	Diagnosis
K60.3	Anal fistula	ICD-10-CM	Diagnosis
K60.4	Rectal fistula	ICD-10-CM	Diagnosis
K60.5	Anorectal fistula	ICD-10-CM	Diagnosis
K61	Abscess of anal and rectal regions	ICD-10-CM	Diagnosis
K61.0	Anal abscess	ICD-10-CM	Diagnosis
K61.1	Rectal abscess	ICD-10-CM	Diagnosis
K61.2	Anorectal abscess	ICD-10-CM	Diagnosis
K61.3	Ischiorectal abscess	ICD-10-CM	Diagnosis
K61.4	Intrasphincteric abscess	ICD-10-CM	Diagnosis
K63	Other diseases of intestine	ICD-10-CM	Diagnosis
K63.0	Abscess of intestine	ICD-10-CM	Diagnosis
K63.1	Perforation of intestine (nontraumatic)	ICD-10-CM	Diagnosis
K63.2	Fistula of intestine	ICD-10-CM	Diagnosis
K65	Peritonitis	ICD-10-CM	Diagnosis
K65.0	Generalized (acute) peritonitis	ICD-10-CM	Diagnosis
K65.1	Peritoneal abscess	ICD-10-CM	Diagnosis
K65.2	Spontaneous bacterial peritonitis	ICD-10-CM	Diagnosis
K65.3	Choleperitonitis	ICD-10-CM	Diagnosis
K65.4	Sclerosing mesenteritis	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K65.8	Other peritonitis	ICD-10-CM	Diagnosis
K65.9	Peritonitis, unspecified	ICD-10-CM	Diagnosis
K68	Disorders of retroperitoneum	ICD-10-CM	Diagnosis
K68.1	Retroperitoneal abscess	ICD-10-CM	Diagnosis
K68.11	Postprocedural retroperitoneal abscess	ICD-10-CM	Diagnosis
K68.12	Psoas muscle abscess	ICD-10-CM	Diagnosis
K68.19	Other retroperitoneal abscess	ICD-10-CM	Diagnosis
K75	Other inflammatory liver diseases	ICD-10-CM	Diagnosis
K75.0	Abscess of liver	ICD-10-CM	Diagnosis
K75.1	Phlebitis of portal vein	ICD-10-CM	Diagnosis
K80	Cholelithiasis	ICD-10-CM	Diagnosis
K80.0	Calculus of gallbladder with acute cholecystitis	ICD-10-CM	Diagnosis
K80.00	Calculus of gallbladder with acute cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.01	Calculus of gallbladder with acute cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.1	Calculus of gallbladder with other cholecystitis	ICD-10-CM	Diagnosis
K80.10	Calculus of gallbladder with chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.11	Calculus of gallbladder with chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.12	Calculus of gallbladder with acute and chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.13	Calculus of gallbladder with acute and chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.18	Calculus of gallbladder with other cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.19	Calculus of gallbladder with other cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.3	Calculus of bile duct with cholangitis	ICD-10-CM	Diagnosis
K80.30	Calculus of bile duct with cholangitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
K80.31	Calculus of bile duct with cholangitis, unspecified, with obstruction	ICD-10-CM	Diagnosis
K80.32	Calculus of bile duct with acute cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.33	Calculus of bile duct with acute cholangitis with obstruction	ICD-10-CM	Diagnosis
K80.34	Calculus of bile duct with chronic cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.35	Calculus of bile duct with chronic cholangitis with obstruction	ICD-10-CM	Diagnosis
K80.36	Calculus of bile duct with acute and chronic cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.37	Calculus of bile duct with acute and chronic cholangitis with obstruction	ICD-10-CM	Diagnosis
K80.4	Calculus of bile duct with cholecystitis	ICD-10-CM	Diagnosis
K80.40	Calculus of bile duct with cholecystitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
K80.41	Calculus of bile duct with cholecystitis, unspecified, with obstruction	ICD-10-CM	Diagnosis
K80.42	Calculus of bile duct with acute cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.43	Calculus of bile duct with acute cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.44	Calculus of bile duct with chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.45	Calculus of bile duct with chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.46	Calculus of bile duct with acute and chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.47	Calculus of bile duct with acute and chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.6	Calculus of gallbladder and bile duct with cholecystitis	ICD-10-CM	Diagnosis
K80.60	Calculus of gallbladder and bile duct with cholecystitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
K80.61	Calculus of gallbladder and bile duct with cholecystitis, unspecified, with obstruction	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K80.62	Calculus of gallbladder and bile duct with acute cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.63	Calculus of gallbladder and bile duct with acute cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.64	Calculus of gallbladder and bile duct with chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.65	Calculus of gallbladder and bile duct with chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.66	Calculus of gallbladder and bile duct with acute and chronic cholecystitis without obstruction	ICD-10-CM	Diagnosis
K80.67	Calculus of gallbladder and bile duct with acute and chronic cholecystitis with obstruction	ICD-10-CM	Diagnosis
K80.81	Other cholelithiasis with obstruction	ICD-10-CM	Diagnosis
K81	Cholecystitis	ICD-10-CM	Diagnosis
K81.0	Acute cholecystitis	ICD-10-CM	Diagnosis
K81.1	Chronic cholecystitis	ICD-10-CM	Diagnosis
K81.2	Acute cholecystitis with chronic cholecystitis	ICD-10-CM	Diagnosis
K81.9	Cholecystitis, unspecified	ICD-10-CM	Diagnosis
K82	Other diseases of gallbladder	ICD-10-CM	Diagnosis
K82.0	Obstruction of gallbladder	ICD-10-CM	Diagnosis
K82.2	Perforation of gallbladder	ICD-10-CM	Diagnosis
K82.3	Fistula of gallbladder	ICD-10-CM	Diagnosis
K83	Other diseases of biliary tract	ICD-10-CM	Diagnosis
K83.0	Cholangitis	ICD-10-CM	Diagnosis
K83.1	Obstruction of bile duct	ICD-10-CM	Diagnosis
K83.2	Perforation of bile duct	ICD-10-CM	Diagnosis
K83.3	Fistula of bile duct	ICD-10-CM	Diagnosis
K85	Acute pancreatitis	ICD-10-CM	Diagnosis
K85.02	Idiopathic acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K85.12	Biliary acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K85.22	Alcohol induced acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K85.32	Drug induced acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K85.82	Other acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K85.92	Acute pancreatitis with infected necrosis, unspecified	ICD-10-CM	Diagnosis
K90	Intestinal malabsorption	ICD-10-CM	Diagnosis
K90.1	Tropical sprue	ICD-10-CM	Diagnosis
K90.81	Whipple's disease	ICD-10-CM	Diagnosis
K91	Intraoperative and postprocedural complications and disorders of digestive system, not elsewhere classified	ICD-10-CM	Diagnosis
K91.7	Accidental puncture and laceration of a digestive system organ or structure during a procedure	ICD-10-CM	Diagnosis
K91.71	Accidental puncture and laceration of a digestive system organ or structure during a digestive system procedure	ICD-10-CM	Diagnosis
K91.72	Accidental puncture and laceration of a digestive system organ or structure during other procedure	ICD-10-CM	Diagnosis
K91.850	Pouchitis	ICD-10-CM	Diagnosis
K94	Complications of artificial openings of the digestive system	ICD-10-CM	Diagnosis
K94.02	Colostomy infection	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
K94.12	Enterostomy infection	ICD-10-CM	Diagnosis
K94.22	Gastrostomy infection	ICD-10-CM	Diagnosis
K94.32	Esophagostomy infection	ICD-10-CM	Diagnosis
K95	Complications of bariatric procedures	ICD-10-CM	Diagnosis
K95.01	Infection due to gastric band procedure	ICD-10-CM	Diagnosis
K95.81	Infection due to other bariatric procedure	ICD-10-CM	Diagnosis
Lower Respiratory Infections			
010	Primary tuberculous infection	ICD-9-CM	Diagnosis
010.0	Primary tuberculous complex	ICD-9-CM	Diagnosis
010.00	Primary tuberculous complex, confirmation unspecified	ICD-9-CM	Diagnosis
010.01	Primary tuberculous complex, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
010.02	Primary tuberculous complex, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
010.03	Primary tuberculous complex, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
010.04	Primary tuberculous complex, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
010.05	Primary tuberculous complex, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
010.06	Primary tuberculous complex, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
010.1	Tuberculous pleurisy in primary progressive tuberculosis	ICD-9-CM	Diagnosis
010.10	Tuberculous pleurisy in primary progressive tuberculosis, confirmation unspecified	ICD-9-CM	Diagnosis
010.11	Tuberculous pleurisy in primary progressive tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
010.12	Tuberculous pleurisy in primary progressive tuberculosis, bacteriological or histological examination results unknown (at present)	ICD-9-CM	Diagnosis
010.13	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
010.14	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
010.15	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
010.16	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
010.8	Other primary progressive tuberculosis infection	ICD-9-CM	Diagnosis
010.80	Other primary progressive tuberculosis infection, confirmation unspecified	ICD-9-CM	Diagnosis
010.81	Other primary progressive tuberculosis infection, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
010.82	Other primary progressive tuberculosis infection, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
010.83	Other primary progressive tuberculosis infection, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
010.84	Other primary progressive tuberculosis infection, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
010.85	Other primary progressive tuberculosis infection, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
010.86	Other primary progressive tuberculosis infection, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
010.9	Primary tuberculous infection, unspecified	ICD-9-CM	Diagnosis
010.90	Primary tuberculous infection, unspecified, confirmation unspecified	ICD-9-CM	Diagnosis
010.91	Primary tuberculous infection, unspecified, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
010.92	Primary tuberculous infection, unspecified, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
010.93	Primary tuberculous infection, unspecified, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
010.94	Primary tuberculous infection, unspecified, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
010.95	Primary tuberculous infection, unspecified, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
010.96	Primary tuberculous infection, unspecified, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011	Pulmonary tuberculosis	ICD-9-CM	Diagnosis
011.0	Tuberculosis of lung, infiltrative	ICD-9-CM	Diagnosis
011.00	Tuberculosis of lung, infiltrative, confirmation unspecified	ICD-9-CM	Diagnosis
011.01	Tuberculosis of lung, infiltrative, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.02	Tuberculosis of lung, infiltrative, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.03	Tuberculosis of lung, infiltrative, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.04	Tuberculosis of lung, infiltrative, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.05	Tuberculosis of lung, infiltrative, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.06	Tuberculosis of lung, infiltrative, tubercle bacilli not found bacteriological or histological examination, but tuberculosis confirmed by other methods (inoculation of animals)	ICD-9-CM	Diagnosis
011.1	Tuberculosis of lung, nodular	ICD-9-CM	Diagnosis
011.10	Tuberculosis of lung, nodular, confirmation unspecified	ICD-9-CM	Diagnosis
011.11	Tuberculosis of lung, nodular, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.12	Tuberculosis of lung, nodular, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.13	Tuberculosis of lung, nodular, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
011.14	Tuberculosis of lung, nodular, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.15	Tuberculosis of lung, nodular, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.16	Tuberculosis of lung, nodular, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.2	Tuberculosis of lung with cavitation	ICD-9-CM	Diagnosis
011.20	Tuberculosis of lung with cavitation, confirmation unspecified	ICD-9-CM	Diagnosis
011.21	Tuberculosis of lung with cavitation, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.22	Tuberculosis of lung with cavitation, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.23	Tuberculosis of lung with cavitation, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.24	Tuberculosis of lung with cavitation, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.25	Tuberculosis of lung with cavitation, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.26	Tuberculosis of lung with cavitation, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.3	Tuberculosis of bronchus	ICD-9-CM	Diagnosis
011.30	Tuberculosis of bronchus, confirmation unspecified	ICD-9-CM	Diagnosis
011.31	Tuberculosis of bronchus, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.32	Tuberculosis of bronchus, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.33	Tuberculosis of bronchus, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.34	Tuberculosis of bronchus, tubercle bacilli not found (in sputum) by microscopy, but found in bacterial culture	ICD-9-CM	Diagnosis
011.35	Tuberculosis of bronchus, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.36	Tuberculosis of bronchus, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.4	Tuberculous fibrosis of lung	ICD-9-CM	Diagnosis
011.40	Tuberculous fibrosis of lung, confirmation unspecified	ICD-9-CM	Diagnosis
011.41	Tuberculous fibrosis of lung, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.42	Tuberculous fibrosis of lung, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.43	Tuberculous fibrosis of lung, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.44	Tuberculous fibrosis of lung, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
011.45	Tuberculous fibrosis of lung, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.46	Tuberculous fibrosis of lung, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.5	Tuberculous bronchiectasis	ICD-9-CM	Diagnosis
011.50	Tuberculous bronchiectasis, confirmation unspecified	ICD-9-CM	Diagnosis
011.51	Tuberculous bronchiectasis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.52	Tuberculous bronchiectasis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.53	Tuberculous bronchiectasis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.54	Tuberculous bronchiectasis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.55	Tuberculous bronchiectasis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.56	Tuberculous bronchiectasis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.6	Tuberculous pneumonia (any form)	ICD-9-CM	Diagnosis
011.60	Tuberculous pneumonia (any form), confirmation unspecified	ICD-9-CM	Diagnosis
011.61	Tuberculous pneumonia (any form), bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.62	Tuberculous pneumonia (any form), bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.63	Tuberculous pneumonia (any form), tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.64	Tuberculous pneumonia (any form), tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.65	Tuberculous pneumonia (any form), tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.66	Tuberculous pneumonia (any form), tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.7	Tuberculous pneumothorax	ICD-9-CM	Diagnosis
011.70	Tuberculous pneumothorax, confirmation unspecified	ICD-9-CM	Diagnosis
011.71	Tuberculous pneumothorax, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.72	Tuberculous pneumothorax, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.73	Tuberculous pneumothorax, tubercle bacilli not found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.74	Tuberculous pneumothorax, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.75	Tuberculous pneumothorax, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
011.76	Tuberculous pneumothorax, tubercle bacilli not found by bacteriological or histological examination but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.8	Other specified pulmonary tuberculosis	ICD-9-CM	Diagnosis
011.80	Other specified pulmonary tuberculosis, confirmation unspecified	ICD-9-CM	Diagnosis
011.81	Other specified pulmonary tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.82	Other specified pulmonary tuberculosis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.83	Other specified pulmonary tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.84	Other specified pulmonary tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.85	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.86	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
011.9	Unspecified pulmonary tuberculosis	ICD-9-CM	Diagnosis
011.90	Unspecified pulmonary tuberculosis, confirmation unspecified	ICD-9-CM	Diagnosis
011.91	Unspecified pulmonary tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
011.92	Unspecified pulmonary tuberculosis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
011.93	Unspecified pulmonary tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
011.94	Unspecified pulmonary tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
011.95	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
011.96	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
012	Other respiratory tuberculosis	ICD-9-CM	Diagnosis
012.0	Tuberculous pleurisy	ICD-9-CM	Diagnosis
012.00	Tuberculous pleurisy, confirmation unspecified	ICD-9-CM	Diagnosis
012.01	Tuberculous pleurisy, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
012.02	Tuberculous pleurisy, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
012.03	Tuberculous pleurisy, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
012.04	Tuberculous pleurisy, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
012.05	Tuberculous pleurisy, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
012.06	Tuberculous pleurisy, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
012.1	Tuberculosis of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
012.10	Tuberculosis of intrathoracic lymph nodes, confirmation unspecified	ICD-9-CM	Diagnosis
012.11	Tuberculosis of intrathoracic lymph nodes, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
012.12	Tuberculosis of intrathoracic lymph nodes, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
012.13	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
012.14	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
012.15	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
012.16	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found by bacteriological or histological examination but tuberculosis confirmed by other methods	ICD-9-CM	Diagnosis
012.2	Isolated tracheal or bronchial tuberculosis	ICD-9-CM	Diagnosis
012.20	Isolated tracheal or bronchial tuberculosis, unspecified	ICD-9-CM	Diagnosis
012.21	Isolated tracheal or bronchial tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
012.22	Isolated tracheal or bronchial tuberculosis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
012.23	Isolated tracheal or bronchial tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
012.24	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
012.25	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
012.26	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
012.3	Tuberculous laryngitis	ICD-9-CM	Diagnosis
012.30	Tuberculous laryngitis, confirmation unspecified	ICD-9-CM	Diagnosis
012.31	Tuberculous laryngitis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
012.32	Tuberculous laryngitis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
012.33	Tuberculous laryngitis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
012.34	Tuberculous laryngitis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
012.35	Tuberculous laryngitis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
012.36	Tuberculous laryngitis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
012.8	Other specified respiratory tuberculosis	ICD-9-CM	Diagnosis
012.80	Other specified respiratory tuberculosis, confirmation unspecified	ICD-9-CM	Diagnosis
012.81	Other specified respiratory tuberculosis, bacteriological or histological examination not done	ICD-9-CM	Diagnosis
012.82	Other specified respiratory tuberculosis, bacteriological or histological examination unknown (at present)	ICD-9-CM	Diagnosis
012.83	Other specified respiratory tuberculosis, tubercle bacilli found (in sputum) by microscopy	ICD-9-CM	Diagnosis
012.84	Other specified respiratory tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	ICD-9-CM	Diagnosis
012.85	Other specified respiratory tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	ICD-9-CM	Diagnosis
012.86	Other specified respiratory tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	ICD-9-CM	Diagnosis
033	Whooping cough	ICD-9-CM	Diagnosis
033.0	Whooping cough due to Bordetella pertussis (<i>P. pertussis</i>)	ICD-9-CM	Diagnosis
033.1	Whooping cough due to Bordetella parapertussis (<i>B. parapertussis</i>)	ICD-9-CM	Diagnosis
033.8	Whooping cough due to other specified organism	ICD-9-CM	Diagnosis
033.9	Whooping cough, unspecified organism	ICD-9-CM	Diagnosis
481	Pneumococcal pneumonia (<i>streptococcus pneumoniae pneumonia</i>)	ICD-9-CM	Diagnosis
482	Other bacterial pneumonia	ICD-9-CM	Diagnosis
482.0	Pneumonia due to <i>Klebsiella pneumoniae</i>	ICD-9-CM	Diagnosis
482.1	Pneumonia due to <i>Pseudomonas</i>	ICD-9-CM	Diagnosis
482.2	Pneumonia due to <i>Hemophilus influenzae</i> (<i>H. influenzae</i>)	ICD-9-CM	Diagnosis
482.3	Pneumonia due to <i>Streptococcus</i>	ICD-9-CM	Diagnosis
482.30	Pneumonia due to unspecified <i>Streptococcus</i>	ICD-9-CM	Diagnosis
482.31	Pneumonia due to <i>Streptococcus</i> , group A	ICD-9-CM	Diagnosis
482.32	Pneumonia due to <i>Streptococcus</i> , group B	ICD-9-CM	Diagnosis
482.39	Pneumonia due to other <i>Streptococcus</i>	ICD-9-CM	Diagnosis
482.4	Pneumonia due to <i>Staphylococcus</i>	ICD-9-CM	Diagnosis
482.40	Pneumonia due to <i>Staphylococcus</i> , unspecified	ICD-9-CM	Diagnosis
482.41	Methicillin susceptible pneumonia due to <i>Staphylococcus aureus</i>	ICD-9-CM	Diagnosis
482.42	Methicillin resistant pneumonia due to <i>Staphylococcus aureus</i>	ICD-9-CM	Diagnosis
482.49	Other <i>Staphylococcus pneumonia</i>	ICD-9-CM	Diagnosis
482.8	Pneumonia due to other specified bacteria	ICD-9-CM	Diagnosis
482.81	Pneumonia due to anaerobes	ICD-9-CM	Diagnosis
482.82	Pneumonia due to <i>Escherichia coli</i> (<i>E. coli</i>)	ICD-9-CM	Diagnosis
482.83	Pneumonia due to other gram-negative bacteria	ICD-9-CM	Diagnosis
482.84	Legionnaires' disease	ICD-9-CM	Diagnosis
482.89	Pneumonia due to other specified bacteria	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
482.9	Unspecified bacterial pneumonia	ICD-9-CM	Diagnosis
483	Pneumonia due to other specified organism	ICD-9-CM	Diagnosis
483.0	Pneumonia due to Mycoplasma pneumoniae	ICD-9-CM	Diagnosis
483.1	Pneumonia due to Chlamydia	ICD-9-CM	Diagnosis
483.8	Pneumonia due to other specified organism	ICD-9-CM	Diagnosis
484	Pneumonia in infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
484.3	Pneumonia in whooping cough	ICD-9-CM	Diagnosis
484.5	Pneumonia in anthrax	ICD-9-CM	Diagnosis
484.8	Pneumonia in other infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
485	Bronchopneumonia, organism unspecified	ICD-9-CM	Diagnosis
486	Pneumonia, organism unspecified	ICD-9-CM	Diagnosis
487	Influenza	ICD-9-CM	Diagnosis
487.0	Influenza with pneumonia	ICD-9-CM	Diagnosis
487.1	Influenza with other respiratory manifestations	ICD-9-CM	Diagnosis
488	Influenza due to certain identified influenza viruses	ICD-9-CM	Diagnosis
488.01	Influenza due to identified avian influenza virus with pneumonia	ICD-9-CM	Diagnosis
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	ICD-9-CM	Diagnosis
488.81	Influenza due to identified novel influenza A virus with pneumonia	ICD-9-CM	Diagnosis
491	Chronic bronchitis	ICD-9-CM	Diagnosis
491.0	Simple chronic bronchitis	ICD-9-CM	Diagnosis
491.1	Mucopurulent chronic bronchitis	ICD-9-CM	Diagnosis
491.2	Obstructive chronic bronchitis	ICD-9-CM	Diagnosis
491.20	Obstructive chronic bronchitis, without exacerbation	ICD-9-CM	Diagnosis
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	ICD-9-CM	Diagnosis
491.22	Obstructive chronic bronchitis with acute bronchitis	ICD-9-CM	Diagnosis
491.8	Other chronic bronchitis	ICD-9-CM	Diagnosis
491.9	Unspecified chronic bronchitis	ICD-9-CM	Diagnosis
492	Emphysema	ICD-9-CM	Diagnosis
492.0	Emphysematous bleb	ICD-9-CM	Diagnosis
492.8	Other emphysema	ICD-9-CM	Diagnosis
494	Bronchiectasis	ICD-9-CM	Diagnosis
494.0	Bronchiectasis without acute exacerbation	ICD-9-CM	Diagnosis
494.1	Bronchiectasis with acute exacerbation	ICD-9-CM	Diagnosis
510	Empyema	ICD-9-CM	Diagnosis
510.0	Empyema with fistula	ICD-9-CM	Diagnosis
510.9	Empyema without mention of fistula	ICD-9-CM	Diagnosis
511	Pleurisy	ICD-9-CM	Diagnosis
511.0	Pleurisy without mention of effusion or current tuberculosis	ICD-9-CM	Diagnosis
511.1	Pleurisy with effusion, with mention of bacterial cause other than tuberculosis	ICD-9-CM	Diagnosis
511.8	Other specified forms of pleural effusion, except tuberculous	ICD-9-CM	Diagnosis
511.89	Other specified forms of effusion, except tuberculous	ICD-9-CM	Diagnosis
511.9	Unspecified pleural effusion	ICD-9-CM	Diagnosis
513	Abscess of lung and mediastinum	ICD-9-CM	Diagnosis
513.0	Abscess of lung	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
513.1	Abscess of mediastinum	ICD-9-CM	Diagnosis
517	Lung involvement in conditions classified elsewhere	ICD-9-CM	Diagnosis
517.3	Acute chest syndrome	ICD-9-CM	Diagnosis
519	Other diseases of respiratory system	ICD-9-CM	Diagnosis
519.0	Tracheostomy complications	ICD-9-CM	Diagnosis
519.00	Unspecified tracheostomy complication	ICD-9-CM	Diagnosis
519.01	Infection of tracheostomy	ICD-9-CM	Diagnosis
519.09	Other tracheostomy complications	ICD-9-CM	Diagnosis
519.2	Mediastinitis	ICD-9-CM	Diagnosis
647.3	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
647.30	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
647.31	Maternal tuberculosis with delivery	ICD-9-CM	Diagnosis
647.32	Maternal tuberculosis with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
647.33	Maternal tuberculosis, antepartum	ICD-9-CM	Diagnosis
647.34	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
A15	Respiratory tuberculosis	ICD-10-CM	Diagnosis
A15.0	Tuberculosis of lung	ICD-10-CM	Diagnosis
A15.4	Tuberculosis of intrathoracic lymph nodes	ICD-10-CM	Diagnosis
A15.5	Tuberculosis of larynx, trachea and bronchus	ICD-10-CM	Diagnosis
A15.6	Tuberculous pleurisy	ICD-10-CM	Diagnosis
A15.7	Primary respiratory tuberculosis	ICD-10-CM	Diagnosis
A15.8	Other respiratory tuberculosis	ICD-10-CM	Diagnosis
A15.9	Respiratory tuberculosis unspecified	ICD-10-CM	Diagnosis
A37	Whooping cough	ICD-10-CM	Diagnosis
A37.0	Whooping cough due to Bordetella pertussis	ICD-10-CM	Diagnosis
A37.00	Whooping cough due to Bordetella pertussis without pneumonia	ICD-10-CM	Diagnosis
A37.01	Whooping cough due to Bordetella pertussis with pneumonia	ICD-10-CM	Diagnosis
A37.1	Whooping cough due to Bordetella parapertussis	ICD-10-CM	Diagnosis
A37.10	Whooping cough due to Bordetella parapertussis without pneumonia	ICD-10-CM	Diagnosis
A37.11	Whooping cough due to Bordetella parapertussis with pneumonia	ICD-10-CM	Diagnosis
A37.8	Whooping cough due to other Bordetella species	ICD-10-CM	Diagnosis
A37.80	Whooping cough due to other Bordetella species without pneumonia	ICD-10-CM	Diagnosis
A37.81	Whooping cough due to other Bordetella species with pneumonia	ICD-10-CM	Diagnosis
A37.9	Whooping cough, unspecified species	ICD-10-CM	Diagnosis
A37.90	Whooping cough, unspecified species without pneumonia	ICD-10-CM	Diagnosis
A37.91	Whooping cough, unspecified species with pneumonia	ICD-10-CM	Diagnosis
J09	Influenza due to certain identified influenza viruses	ICD-10-CM	Diagnosis
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	ICD-10-CM	Diagnosis
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	ICD-10-CM	Diagnosis
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	ICD-10-CM	Diagnosis
J10	Influenza due to other identified influenza virus	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
J10.0	Influenza due to other identified influenza virus with pneumonia	ICD-10-CM	Diagnosis
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	ICD-10-CM	Diagnosis
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	ICD-10-CM	Diagnosis
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	ICD-10-CM	Diagnosis
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	ICD-10-CM	Diagnosis
J10.83	Influenza due to other identified influenza virus with otitis media	ICD-10-CM	Diagnosis
J11	Influenza due to unidentified influenza virus	ICD-10-CM	Diagnosis
J11.0	Influenza due to unidentified influenza virus with pneumonia	ICD-10-CM	Diagnosis
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	ICD-10-CM	Diagnosis
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	ICD-10-CM	Diagnosis
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	ICD-10-CM	Diagnosis
J11.83	Influenza due to unidentified influenza virus with otitis media	ICD-10-CM	Diagnosis
J13	Pneumonia due to Streptococcus pneumoniae	ICD-10-CM	Diagnosis
J14	Pneumonia due to Hemophilus influenzae	ICD-10-CM	Diagnosis
J15	Bacterial pneumonia, not elsewhere classified	ICD-10-CM	Diagnosis
J15.0	Pneumonia due to Klebsiella pneumoniae	ICD-10-CM	Diagnosis
J15.1	Pneumonia due to Pseudomonas	ICD-10-CM	Diagnosis
J15.2	Pneumonia due to staphylococcus	ICD-10-CM	Diagnosis
J15.20	Pneumonia due to staphylococcus, unspecified	ICD-10-CM	Diagnosis
J15.21	Pneumonia due to staphylococcus aureus	ICD-10-CM	Diagnosis
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM	Diagnosis
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
J15.29	Pneumonia due to other staphylococcus	ICD-10-CM	Diagnosis
J15.3	Pneumonia due to streptococcus, group B	ICD-10-CM	Diagnosis
J15.4	Pneumonia due to other streptococci	ICD-10-CM	Diagnosis
J15.5	Pneumonia due to Escherichia coli	ICD-10-CM	Diagnosis
J15.6	Pneumonia due to other Gram-negative bacteria	ICD-10-CM	Diagnosis
J15.7	Pneumonia due to Mycoplasma pneumoniae	ICD-10-CM	Diagnosis
J15.8	Pneumonia due to other specified bacteria	ICD-10-CM	Diagnosis
J15.9	Unspecified bacterial pneumonia	ICD-10-CM	Diagnosis
J16	Pneumonia due to other infectious organisms, not elsewhere classified	ICD-10-CM	Diagnosis
J16.0	Chlamydial pneumonia	ICD-10-CM	Diagnosis
J16.8	Pneumonia due to other specified infectious organisms	ICD-10-CM	Diagnosis
J17	Pneumonia in diseases classified elsewhere	ICD-10-CM	Diagnosis
J18	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.0	Bronchopneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.1	Lobar pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.2	Hypostatic pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.8	Other pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J18.9	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J22	Unspecified acute lower respiratory infection	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
J41	Simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.0	Simple chronic bronchitis	ICD-10-CM	Diagnosis
J41.1	Mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J41.8	Mixed simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J42	Unspecified chronic bronchitis	ICD-10-CM	Diagnosis
J43	Emphysema	ICD-10-CM	Diagnosis
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	ICD-10-CM	Diagnosis
J43.1	Panlobular emphysema	ICD-10-CM	Diagnosis
J43.2	Centrilobular emphysema	ICD-10-CM	Diagnosis
J43.8	Other emphysema	ICD-10-CM	Diagnosis
J43.9	Emphysema, unspecified	ICD-10-CM	Diagnosis
J44	Other chronic obstructive pulmonary disease	ICD-10-CM	Diagnosis
J44.0	Chronic obstructive pulmonary disease with (acute) lower respiratory infection	ICD-10-CM	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	ICD-10-CM	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	ICD-10-CM	Diagnosis
J47	Bronchiectasis	ICD-10-CM	Diagnosis
J47.0	Bronchiectasis with acute lower respiratory infection	ICD-10-CM	Diagnosis
J47.1	Bronchiectasis with (acute) exacerbation	ICD-10-CM	Diagnosis
J47.9	Bronchiectasis, uncomplicated	ICD-10-CM	Diagnosis
J85	Abscess of lung and mediastinum	ICD-10-CM	Diagnosis
J85.0	Gangrene and necrosis of lung	ICD-10-CM	Diagnosis
J85.1	Abscess of lung with pneumonia	ICD-10-CM	Diagnosis
J85.2	Abscess of lung without pneumonia	ICD-10-CM	Diagnosis
J85.3	Abscess of mediastinum	ICD-10-CM	Diagnosis
J86	Pyothorax	ICD-10-CM	Diagnosis
J86.0	Pyothorax with fistula	ICD-10-CM	Diagnosis
J86.9	Pyothorax without fistula	ICD-10-CM	Diagnosis
J90	Pleural effusion, not elsewhere classified	ICD-10-CM	Diagnosis
J91	Pleural effusion in conditions classified elsewhere	ICD-10-CM	Diagnosis
J91.8	Pleural effusion in other conditions classified elsewhere	ICD-10-CM	Diagnosis
J95	Intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified	ICD-10-CM	Diagnosis
J95.02	Infection of tracheostomy stoma	ICD-10-CM	Diagnosis
J95.7	Accidental puncture and laceration of a respiratory system organ or structure during a procedure	ICD-10-CM	Diagnosis
J95.71	Accidental puncture and laceration of a respiratory system organ or structure during a respiratory system procedure	ICD-10-CM	Diagnosis
J95.72	Accidental puncture and laceration of a respiratory system organ or structure during other procedure	ICD-10-CM	Diagnosis
J95.851	Ventilator associated pneumonia	ICD-10-CM	Diagnosis
J98	Other respiratory disorders	ICD-10-CM	Diagnosis
J98.51	Mediastinitis	ICD-10-CM	Diagnosis
O98.0	Tuberculosis complicating pregnancy, childbirth and the puerperium	ICD-10-CM	Diagnosis
O98.01	Tuberculosis complicating pregnancy	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
098.011	Tuberculosis complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
098.012	Tuberculosis complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
098.013	Tuberculosis complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
098.019	Tuberculosis complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
098.02	Tuberculosis complicating childbirth	ICD-10-CM	Diagnosis
098.03	Tuberculosis complicating the puerperium	ICD-10-CM	Diagnosis
Sexually Transmitted Infections			
076	Trachoma	ICD-9-CM	Diagnosis
076.0	Initial stage trachoma	ICD-9-CM	Diagnosis
076.1	Active stage trachoma	ICD-9-CM	Diagnosis
076.9	Unspecified trachoma	ICD-9-CM	Diagnosis
077	Other diseases of conjunctiva due to viruses and Chlamydiae	ICD-9-CM	Diagnosis
077.9	Unspecified diseases of conjunctiva due to viruses and Chlamydiae	ICD-9-CM	Diagnosis
077.98	Unspecified diseases of conjunctiva due to Chlamydiae	ICD-9-CM	Diagnosis
078	Other diseases due to viruses and Chlamydiae	ICD-9-CM	Diagnosis
078.2	Sweating fever	ICD-9-CM	Diagnosis
078.3	Cat-scratch disease	ICD-9-CM	Diagnosis
078.8	Other specified diseases due to viruses and Chlamydiae	ICD-9-CM	Diagnosis
078.88	Other specified diseases due to Chlamydiae	ICD-9-CM	Diagnosis
079	Viral and chlamydial infection in conditions classified elsewhere and of unspecified site	ICD-9-CM	Diagnosis
079.88	Other specified chlamydial infection, in conditions classified elsewhere and of unspecified site	ICD-9-CM	Diagnosis
079.9	Unspecified viral and chlamydial infections, in conditions classified elsewhere and of unspecified site	ICD-9-CM	Diagnosis
079.98	Unspecified chlamydial infection, in conditions classified elsewhere and of unspecified site	ICD-9-CM	Diagnosis
091	Early syphilis, symptomatic	ICD-9-CM	Diagnosis
091.0	Genital syphilis (primary)	ICD-9-CM	Diagnosis
091.1	Primary anal syphilis	ICD-9-CM	Diagnosis
091.2	Other primary syphilis	ICD-9-CM	Diagnosis
091.3	Secondary syphilis of skin or mucous membranes	ICD-9-CM	Diagnosis
091.4	Adenopathy due to secondary syphilis	ICD-9-CM	Diagnosis
091.5	Early syphilis, uveitis due to secondary syphilis	ICD-9-CM	Diagnosis
091.50	Early syphilis, syphilitic uveitis, unspecified	ICD-9-CM	Diagnosis
091.51	Early syphilis, syphilitic chorioretinitis (secondary)	ICD-9-CM	Diagnosis
091.52	Early syphilis, syphilitic iridocyclitis (secondary)	ICD-9-CM	Diagnosis
091.6	Early syphilis, secondary syphilis of viscera and bone	ICD-9-CM	Diagnosis
091.61	Early syphilis, secondary syphilitic periostitis	ICD-9-CM	Diagnosis
091.62	Early syphilis, secondary syphilitic hepatitis	ICD-9-CM	Diagnosis
091.69	Early syphilis, secondary syphilis of other viscera	ICD-9-CM	Diagnosis
091.7	Early syphilis, secondary syphilis, relapse	ICD-9-CM	Diagnosis
091.8	Early syphilis, other forms of secondary syphilis	ICD-9-CM	Diagnosis
091.81	Early syphilis, acute syphilitic meningitis (secondary)	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
091.82	Early syphilis, syphilitic alopecia	ICD-9-CM	Diagnosis
091.89	Early syphilis, other forms of secondary syphilis	ICD-9-CM	Diagnosis
091.9	Early syphilis, unspecified secondary syphilis	ICD-9-CM	Diagnosis
092	Early syphilis, latent	ICD-9-CM	Diagnosis
092.0	Early syphilis, latent, serological relapse after treatment	ICD-9-CM	Diagnosis
092.9	Early syphilis, latent, unspecified	ICD-9-CM	Diagnosis
093	Cardiovascular syphilis	ICD-9-CM	Diagnosis
093.0	Aneurysm of aorta, specified as syphilitic	ICD-9-CM	Diagnosis
093.1	Syphilitic aortitis	ICD-9-CM	Diagnosis
093.2	Syphilitic endocarditis	ICD-9-CM	Diagnosis
093.20	Unspecified syphilitic endocarditis of valve	ICD-9-CM	Diagnosis
093.21	Syphilitic endocarditis, mitral valve	ICD-9-CM	Diagnosis
093.22	Syphilitic endocarditis, aortic valve	ICD-9-CM	Diagnosis
093.23	Syphilitic endocarditis, tricuspid valve	ICD-9-CM	Diagnosis
093.24	Syphilitic endocarditis, pulmonary valve	ICD-9-CM	Diagnosis
093.8	Other specified cardiovascular syphilis	ICD-9-CM	Diagnosis
093.81	Syphilitic pericarditis	ICD-9-CM	Diagnosis
093.82	Syphilitic myocarditis	ICD-9-CM	Diagnosis
093.89	Other specified cardiovascular syphilis	ICD-9-CM	Diagnosis
093.9	Unspecified cardiovascular syphilis	ICD-9-CM	Diagnosis
094	Neurosyphilis	ICD-9-CM	Diagnosis
094.0	Tabes dorsalis	ICD-9-CM	Diagnosis
094.1	General paresis	ICD-9-CM	Diagnosis
094.2	Syphilitic meningitis	ICD-9-CM	Diagnosis
094.3	Asymptomatic neurosyphilis	ICD-9-CM	Diagnosis
094.8	Other specified neurosyphilis	ICD-9-CM	Diagnosis
094.81	Syphilitic encephalitis	ICD-9-CM	Diagnosis
094.82	Syphilitic Parkinsonism	ICD-9-CM	Diagnosis
094.83	Syphilitic disseminated retinochoroiditis	ICD-9-CM	Diagnosis
094.84	Syphilitic optic atrophy	ICD-9-CM	Diagnosis
094.85	Syphilitic retrobulbar neuritis	ICD-9-CM	Diagnosis
094.86	Syphilitic acoustic neuritis	ICD-9-CM	Diagnosis
094.87	Syphilitic ruptured cerebral aneurysm	ICD-9-CM	Diagnosis
094.89	Other specified neurosyphilis	ICD-9-CM	Diagnosis
094.9	Unspecified neurosyphilis	ICD-9-CM	Diagnosis
095	Other forms of late syphilis, with symptoms	ICD-9-CM	Diagnosis
095.0	Syphilitic episcleritis	ICD-9-CM	Diagnosis
095.1	Syphilis of lung	ICD-9-CM	Diagnosis
095.2	Syphilitic peritonitis	ICD-9-CM	Diagnosis
095.3	Syphilis of liver	ICD-9-CM	Diagnosis
095.4	Syphilis of kidney	ICD-9-CM	Diagnosis
095.5	Syphilis of bone	ICD-9-CM	Diagnosis
095.6	Syphilis of muscle	ICD-9-CM	Diagnosis
095.7	Syphilis of synovium, tendon, and bursa	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
095.8	Other specified forms of late symptomatic syphilis	ICD-9-CM	Diagnosis
095.9	Unspecified late symptomatic syphilis	ICD-9-CM	Diagnosis
096	Late syphilis, latent	ICD-9-CM	Diagnosis
097	Other and unspecified syphilis	ICD-9-CM	Diagnosis
097.0	Unspecified late syphilis	ICD-9-CM	Diagnosis
097.1	Unspecified latent syphilis	ICD-9-CM	Diagnosis
097.9	Unspecified syphilis	ICD-9-CM	Diagnosis
098	Gonococcal infections	ICD-9-CM	Diagnosis
098.0	Gonococcal infection (acute) of lower genitourinary tract	ICD-9-CM	Diagnosis
098.1	Gonococcal infection (acute) of upper genitourinary tract	ICD-9-CM	Diagnosis
098.10	Gonococcal infection (acute) of upper genitourinary tract, site unspecified	ICD-9-CM	Diagnosis
098.11	Gonococcal cystitis (acute)	ICD-9-CM	Diagnosis
098.12	Gonococcal prostatitis (acute)	ICD-9-CM	Diagnosis
098.13	Gonococcal epididymo-orchitis (acute)	ICD-9-CM	Diagnosis
098.14	Gonococcal seminal vesiculitis (acute)	ICD-9-CM	Diagnosis
098.15	Gonococcal cervicitis (acute)	ICD-9-CM	Diagnosis
098.16	Gonococcal endometritis (acute)	ICD-9-CM	Diagnosis
098.17	Gonococcal salpingitis, specified as acute	ICD-9-CM	Diagnosis
098.19	Other gonococcal infections (acute) of upper genitourinary tract	ICD-9-CM	Diagnosis
098.2	Gonococcal infections, chronic, of lower genitourinary tract	ICD-9-CM	Diagnosis
098.3	Gonococcal infections, chronic, of upper genitourinary tract	ICD-9-CM	Diagnosis
098.30	Chronic gonococcal infection of upper genitourinary tract, site unspecified	ICD-9-CM	Diagnosis
098.31	Gonococcal cystitis, chronic	ICD-9-CM	Diagnosis
098.32	Gonococcal prostatitis, chronic	ICD-9-CM	Diagnosis
098.33	Gonococcal epididymo-orchitis, chronic	ICD-9-CM	Diagnosis
098.34	Gonococcal seminal vesiculitis, chronic	ICD-9-CM	Diagnosis
098.35	Gonococcal cervicitis, chronic	ICD-9-CM	Diagnosis
098.36	Gonococcal endometritis, chronic	ICD-9-CM	Diagnosis
098.37	Gonococcal salpingitis (chronic)	ICD-9-CM	Diagnosis
098.39	Other chronic gonococcal infections of upper genitourinary tract	ICD-9-CM	Diagnosis
098.4	Gonococcal infection of eye	ICD-9-CM	Diagnosis
098.40	Gonococcal conjunctivitis (neonatorum)	ICD-9-CM	Diagnosis
098.41	Gonococcal iridocyclitis	ICD-9-CM	Diagnosis
098.42	Gonococcal endophthalmitis	ICD-9-CM	Diagnosis
098.43	Gonococcal keratitis	ICD-9-CM	Diagnosis
098.49	Other gonococcal infection of eye	ICD-9-CM	Diagnosis
098.5	Gonococcal infection of joint	ICD-9-CM	Diagnosis
098.50	Gonococcal arthritis	ICD-9-CM	Diagnosis
098.51	Gonococcal synovitis and tenosynovitis	ICD-9-CM	Diagnosis
098.52	Gonococcal bursitis	ICD-9-CM	Diagnosis
098.53	Gonococcal spondylitis	ICD-9-CM	Diagnosis
098.59	Other gonococcal infection of joint	ICD-9-CM	Diagnosis
098.6	Gonococcal infection of pharynx	ICD-9-CM	Diagnosis
098.7	Gonococcal infection of anus and rectum	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
098.8	Gonococcal infection of other specified sites	ICD-9-CM	Diagnosis
098.81	Gonococcal keratosis (blennorrhagica)	ICD-9-CM	Diagnosis
098.82	Gonococcal meningitis	ICD-9-CM	Diagnosis
098.83	Gonococcal pericarditis	ICD-9-CM	Diagnosis
098.84	Gonococcal endocarditis	ICD-9-CM	Diagnosis
098.85	Other gonococcal heart disease	ICD-9-CM	Diagnosis
098.86	Gonococcal peritonitis	ICD-9-CM	Diagnosis
098.89	Gonococcal infection of other specified sites	ICD-9-CM	Diagnosis
099	Other venereal diseases	ICD-9-CM	Diagnosis
099.0	Chancroid	ICD-9-CM	Diagnosis
099.1	Lymphogranuloma venereum	ICD-9-CM	Diagnosis
099.2	Granuloma inguinale	ICD-9-CM	Diagnosis
099.3	Reiter's disease	ICD-9-CM	Diagnosis
099.4	Other nongonococcal urethritis (NGU)	ICD-9-CM	Diagnosis
099.40	Unspecified nongonococcal urethritis (NGU)	ICD-9-CM	Diagnosis
099.41	Nongonococcal urethritis (NGU) due to Chlamydia trachomatis	ICD-9-CM	Diagnosis
099.49	Nongonococcal urethritis (NGU) due to other specified organism	ICD-9-CM	Diagnosis
099.5	Other venereal diseases due to Chlamydia trachomatis	ICD-9-CM	Diagnosis
099.50	Chlamydia trachomatis infection of unspecified site	ICD-9-CM	Diagnosis
099.51	Chlamydia trachomatis infection of pharynx	ICD-9-CM	Diagnosis
099.52	Chlamydia trachomatis infection of anus and rectum	ICD-9-CM	Diagnosis
099.53	Chlamydia trachomatis infection of lower genitourinary sites	ICD-9-CM	Diagnosis
099.54	Chlamydia trachomatis infection of other genitourinary sites	ICD-9-CM	Diagnosis
099.55	Chlamydia trachomatis infection of unspecified genitourinary site	ICD-9-CM	Diagnosis
099.56	Chlamydia trachomatis infection of peritoneum	ICD-9-CM	Diagnosis
099.59	Chlamydia trachomatis infection of other specified site	ICD-9-CM	Diagnosis
099.8	Other specified venereal diseases	ICD-9-CM	Diagnosis
099.9	Unspecified venereal disease	ICD-9-CM	Diagnosis
647.0	Maternal syphilis complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
647.00	Maternal syphilis, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
647.01	Maternal syphilis, complicating pregnancy, with delivery	ICD-9-CM	Diagnosis
647.02	Maternal syphilis, complicating pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
647.03	Maternal syphilis, antepartum	ICD-9-CM	Diagnosis
647.04	Maternal syphilis complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
647.1	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
647.10	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
647.11	Maternal gonorrhea with delivery	ICD-9-CM	Diagnosis
647.12	Maternal gonorrhea, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
647.13	Maternal gonorrhea, antepartum	ICD-9-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
647.14	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
647.2	Other maternal venereal diseases complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
647.20	Other maternal venereal diseases, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
647.21	Other maternal venereal diseases with delivery	ICD-9-CM	Diagnosis
647.22	Other maternal venereal diseases with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
647.23	Other maternal venereal diseases, antepartum condition or complication	ICD-9-CM	Diagnosis
647.24	Other venereal diseases complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
A51	Early syphilis	ICD-10-CM	Diagnosis
A51.0	Primary genital syphilis	ICD-10-CM	Diagnosis
A51.1	Primary anal syphilis	ICD-10-CM	Diagnosis
A51.2	Primary syphilis of other sites	ICD-10-CM	Diagnosis
A51.3	Secondary syphilis of skin and mucous membranes	ICD-10-CM	Diagnosis
A51.31	Condyloma latum	ICD-10-CM	Diagnosis
A51.32	Syphilitic alopecia	ICD-10-CM	Diagnosis
A51.39	Other secondary syphilis of skin	ICD-10-CM	Diagnosis
A51.4	Other secondary syphilis	ICD-10-CM	Diagnosis
A51.41	Secondary syphilitic meningitis	ICD-10-CM	Diagnosis
A51.42	Secondary syphilitic female pelvic disease	ICD-10-CM	Diagnosis
A51.43	Secondary syphilitic oculopathy	ICD-10-CM	Diagnosis
A51.44	Secondary syphilitic nephritis	ICD-10-CM	Diagnosis
A51.45	Secondary syphilitic hepatitis	ICD-10-CM	Diagnosis
A51.46	Secondary syphilitic osteopathy	ICD-10-CM	Diagnosis
A51.49	Other secondary syphilitic conditions	ICD-10-CM	Diagnosis
A51.5	Early syphilis, latent	ICD-10-CM	Diagnosis
A51.9	Early syphilis, unspecified	ICD-10-CM	Diagnosis
A52	Late syphilis	ICD-10-CM	Diagnosis
A52.0	Cardiovascular and cerebrovascular syphilis	ICD-10-CM	Diagnosis
A52.00	Cardiovascular syphilis, unspecified	ICD-10-CM	Diagnosis
A52.01	Syphilitic aneurysm of aorta	ICD-10-CM	Diagnosis
A52.02	Syphilitic aortitis	ICD-10-CM	Diagnosis
A52.03	Syphilitic endocarditis	ICD-10-CM	Diagnosis
A52.04	Syphilitic cerebral arteritis	ICD-10-CM	Diagnosis
A52.05	Other cerebrovascular syphilis	ICD-10-CM	Diagnosis
A52.06	Other syphilitic heart involvement	ICD-10-CM	Diagnosis
A52.09	Other cardiovascular syphilis	ICD-10-CM	Diagnosis
A52.1	Symptomatic neurosyphilis	ICD-10-CM	Diagnosis
A52.10	Symptomatic neurosyphilis, unspecified	ICD-10-CM	Diagnosis
A52.11	Tabes dorsalis	ICD-10-CM	Diagnosis
A52.12	Other cerebrospinal syphilis	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
A52.13	Late syphilitic meningitis	ICD-10-CM	Diagnosis
A52.14	Late syphilitic encephalitis	ICD-10-CM	Diagnosis
A52.15	Late syphilitic neuropathy	ICD-10-CM	Diagnosis
A52.16	Charcot's arthropathy (tabetic)	ICD-10-CM	Diagnosis
A52.17	General paresis	ICD-10-CM	Diagnosis
A52.19	Other symptomatic neurosyphilis	ICD-10-CM	Diagnosis
A52.2	Asymptomatic neurosyphilis	ICD-10-CM	Diagnosis
A52.3	Neurosyphilis, unspecified	ICD-10-CM	Diagnosis
A52.7	Other symptomatic late syphilis	ICD-10-CM	Diagnosis
A52.71	Late syphilitic oculopathy	ICD-10-CM	Diagnosis
A52.72	Syphilis of lung and bronchus	ICD-10-CM	Diagnosis
A52.73	Symptomatic late syphilis of other respiratory organs	ICD-10-CM	Diagnosis
A52.74	Syphilis of liver and other viscera	ICD-10-CM	Diagnosis
A52.75	Syphilis of kidney and ureter	ICD-10-CM	Diagnosis
A52.76	Other genitourinary symptomatic late syphilis	ICD-10-CM	Diagnosis
A52.77	Syphilis of bone and joint	ICD-10-CM	Diagnosis
A52.78	Syphilis of other musculoskeletal tissue	ICD-10-CM	Diagnosis
A52.79	Other symptomatic late syphilis	ICD-10-CM	Diagnosis
A52.8	Late syphilis, latent	ICD-10-CM	Diagnosis
A52.9	Late syphilis, unspecified	ICD-10-CM	Diagnosis
A53	Other and unspecified syphilis	ICD-10-CM	Diagnosis
A53.0	Latent syphilis, unspecified as early or late	ICD-10-CM	Diagnosis
A53.9	Syphilis, unspecified	ICD-10-CM	Diagnosis
A54	Gonococcal infection	ICD-10-CM	Diagnosis
A54.0	Gonococcal infection of lower genitourinary tract without periurethral or accessory gland abscess	ICD-10-CM	Diagnosis
A54.00	Gonococcal infection of lower genitourinary tract, unspecified	ICD-10-CM	Diagnosis
A54.01	Gonococcal cystitis and urethritis, unspecified	ICD-10-CM	Diagnosis
A54.02	Gonococcal vulvovaginitis, unspecified	ICD-10-CM	Diagnosis
A54.03	Gonococcal cervicitis, unspecified	ICD-10-CM	Diagnosis
A54.09	Other gonococcal infection of lower genitourinary tract	ICD-10-CM	Diagnosis
A54.1	Gonococcal infection of lower genitourinary tract with periurethral and accessory gland abscess	ICD-10-CM	Diagnosis
A54.2	Gonococcal pelviperitonitis and other gonococcal genitourinary infection	ICD-10-CM	Diagnosis
A54.21	Gonococcal infection of kidney and ureter	ICD-10-CM	Diagnosis
A54.22	Gonococcal prostatitis	ICD-10-CM	Diagnosis
A54.23	Gonococcal infection of other male genital organs	ICD-10-CM	Diagnosis
A54.24	Gonococcal female pelvic inflammatory disease	ICD-10-CM	Diagnosis
A54.29	Other gonococcal genitourinary infections	ICD-10-CM	Diagnosis
A54.3	Gonococcal infection of eye	ICD-10-CM	Diagnosis
A54.30	Gonococcal infection of eye, unspecified	ICD-10-CM	Diagnosis
A54.31	Gonococcal conjunctivitis	ICD-10-CM	Diagnosis
A54.32	Gonococcal iridocyclitis	ICD-10-CM	Diagnosis
A54.33	Gonococcal keratitis	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
A54.39	Other gonococcal eye infection	ICD-10-CM	Diagnosis
A54.4	Gonococcal infection of musculoskeletal system	ICD-10-CM	Diagnosis
A54.40	Gonococcal infection of musculoskeletal system, unspecified	ICD-10-CM	Diagnosis
A54.41	Gonococcal spondylopathy	ICD-10-CM	Diagnosis
A54.42	Gonococcal arthritis	ICD-10-CM	Diagnosis
A54.43	Gonococcal osteomyelitis	ICD-10-CM	Diagnosis
A54.49	Gonococcal infection of other musculoskeletal tissue	ICD-10-CM	Diagnosis
A54.5	Gonococcal pharyngitis	ICD-10-CM	Diagnosis
A54.6	Gonococcal infection of anus and rectum	ICD-10-CM	Diagnosis
A54.8	Other gonococcal infections	ICD-10-CM	Diagnosis
A54.81	Gonococcal meningitis	ICD-10-CM	Diagnosis
A54.82	Gonococcal brain abscess	ICD-10-CM	Diagnosis
A54.83	Gonococcal heart infection	ICD-10-CM	Diagnosis
A54.84	Gonococcal pneumonia	ICD-10-CM	Diagnosis
A54.85	Gonococcal peritonitis	ICD-10-CM	Diagnosis
A54.86	Gonococcal sepsis	ICD-10-CM	Diagnosis
A54.89	Other gonococcal infections	ICD-10-CM	Diagnosis
A54.9	Gonococcal infection, unspecified	ICD-10-CM	Diagnosis
A55	Chlamydial lymphogranuloma (venereum)	ICD-10-CM	Diagnosis
A56	Other sexually transmitted chlamydial diseases	ICD-10-CM	Diagnosis
A56.0	Chlamydial infection of lower genitourinary tract	ICD-10-CM	Diagnosis
A56.00	Chlamydial infection of lower genitourinary tract, unspecified	ICD-10-CM	Diagnosis
A56.01	Chlamydial cystitis and urethritis	ICD-10-CM	Diagnosis
A56.02	Chlamydial vulvovaginitis	ICD-10-CM	Diagnosis
A56.09	Other chlamydial infection of lower genitourinary tract	ICD-10-CM	Diagnosis
A56.1	Chlamydial infection of pelviperitoneum and other genitourinary organs	ICD-10-CM	Diagnosis
A56.11	Chlamydial female pelvic inflammatory disease	ICD-10-CM	Diagnosis
A56.19	Other chlamydial genitourinary infection	ICD-10-CM	Diagnosis
A56.2	Chlamydial infection of genitourinary tract, unspecified	ICD-10-CM	Diagnosis
A56.3	Chlamydial infection of anus and rectum	ICD-10-CM	Diagnosis
A56.4	Chlamydial infection of pharynx	ICD-10-CM	Diagnosis
A56.8	Sexually transmitted chlamydial infection of other sites	ICD-10-CM	Diagnosis
A57	Chancroid	ICD-10-CM	Diagnosis
A58	Granuloma inguinale	ICD-10-CM	Diagnosis
A59	Trichomoniasis	ICD-10-CM	Diagnosis
A59.0	Urogenital trichomoniasis	ICD-10-CM	Diagnosis
A59.00	Urogenital trichomoniasis, unspecified	ICD-10-CM	Diagnosis
A59.01	Trichomonal vulvovaginitis	ICD-10-CM	Diagnosis
A59.02	Trichomonal prostatitis	ICD-10-CM	Diagnosis
A59.03	Trichomonal cystitis and urethritis	ICD-10-CM	Diagnosis
A59.09	Other urogenital trichomoniasis	ICD-10-CM	Diagnosis
A59.8	Trichomoniasis of other sites	ICD-10-CM	Diagnosis
A59.9	Trichomoniasis, unspecified	ICD-10-CM	Diagnosis
A63	Other predominantly sexually transmitted diseases, not elsewhere classified	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
A63.8	Other specified predominantly sexually transmitted diseases	ICD-10-CM	Diagnosis
A64	Unspecified sexually transmitted disease	ICD-10-CM	Diagnosis
A70	Chlamydia psittaci infections	ICD-10-CM	Diagnosis
A71	Trachoma	ICD-10-CM	Diagnosis
A71.0	Initial stage of trachoma	ICD-10-CM	Diagnosis
A71.1	Active stage of trachoma	ICD-10-CM	Diagnosis
A71.9	Trachoma, unspecified	ICD-10-CM	Diagnosis
A74	Other diseases caused by chlamydiae	ICD-10-CM	Diagnosis
A74.0	Chlamydial conjunctivitis	ICD-10-CM	Diagnosis
A74.8	Other chlamydial diseases	ICD-10-CM	Diagnosis
A74.81	Chlamydial peritonitis	ICD-10-CM	Diagnosis
A74.89	Other chlamydial diseases	ICD-10-CM	Diagnosis
A74.9	Chlamydial infection, unspecified	ICD-10-CM	Diagnosis
O98.1	Syphilis complicating pregnancy, childbirth and the puerperium	ICD-10-CM	Diagnosis
O98.11	Syphilis complicating pregnancy	ICD-10-CM	Diagnosis
O98.111	Syphilis complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O98.112	Syphilis complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O98.113	Syphilis complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O98.119	Syphilis complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O98.12	Syphilis complicating childbirth	ICD-10-CM	Diagnosis
O98.13	Syphilis complicating the puerperium	ICD-10-CM	Diagnosis
O98.2	Gonorrhea complicating pregnancy, childbirth and the puerperium	ICD-10-CM	Diagnosis
O98.21	Gonorrhea complicating pregnancy	ICD-10-CM	Diagnosis
O98.211	Gonorrhea complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O98.212	Gonorrhea complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O98.213	Gonorrhea complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O98.219	Gonorrhea complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O98.22	Gonorrhea complicating childbirth	ICD-10-CM	Diagnosis
O98.23	Gonorrhea complicating the puerperium	ICD-10-CM	Diagnosis
O98.3	Other infections with a predominantly sexual mode of transmission complicating pregnancy, childbirth and the puerperium	ICD-10-CM	Diagnosis
O98.31	Other infections with a predominantly sexual mode of transmission complicating pregnancy	ICD-10-CM	Diagnosis
O98.311	Other infections with a predominantly sexual mode of transmission complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O98.312	Other infections with a predominantly sexual mode of transmission complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O98.313	Other infections with a predominantly sexual mode of transmission complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O98.319	Other infections with a predominantly sexual mode of transmission complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O98.32	Other infections with a predominantly sexual mode of transmission complicating childbirth	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
098.33	Other infections with a predominantly sexual mode of transmission complicating the puerperium	ICD-10-CM	Diagnosis
Urinary Tract and Kidney Infections			
590.0	Chronic pyelonephritis	ICD-9-CM	Diagnosis
590.1	Acute pyelonephritis	ICD-9-CM	Diagnosis
590.8	Other pyelonephritis or pyonephrosis, not specified as acute or chronic	ICD-9-CM	Diagnosis
595.0	Acute cystitis	ICD-9-CM	Diagnosis
595.9	Unspecified cystitis	ICD-9-CM	Diagnosis
599.0	Urinary tract infection, site not specified	ICD-9-CM	Diagnosis
590.00	Chronic pyelonephritis without lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
590.01	Chronic pyelonephritis with lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
590.10	Acute pyelonephritis without lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
590.11	Acute pyelonephritis with lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
590.80	Unspecified pyelonephritis	ICD-9-CM	Diagnosis
590.81	Pyelitis or pyelonephritis in diseases classified elsewhere	ICD-9-CM	Diagnosis
646.60	Infections of genitourinary tract in pregnancy, unspecified as to episode of care	ICD-9-CM	Diagnosis
646.61	Infections of genitourinary tract in pregnancy, with delivery	ICD-9-CM	Diagnosis
646.62	Infections of genitourinary tract in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
646.63	Infections of genitourinary tract antepartum	ICD-9-CM	Diagnosis
646.64	Infections of genitourinary tract in pregnancy, postpartum condition or complication	ICD-9-CM	Diagnosis
N10	Acute pyelonephritis	ICD-10-CM	Diagnosis
N11.0	Nonobstructive reflux-associated chronic pyelonephritis	ICD-10-CM	Diagnosis
N11.1	Chronic obstructive pyelonephritis	ICD-10-CM	Diagnosis
N30.0	Acute cystitis	ICD-10-CM	Diagnosis
N30.00	Acute cystitis without hematuria	ICD-10-CM	Diagnosis
N30.01	Acute cystitis with hematuria	ICD-10-CM	Diagnosis
N30.8	Other cystitis	ICD-10-CM	Diagnosis
N30.80	Other cystitis without hematuria	ICD-10-CM	Diagnosis
N30.81	Other cystitis with hematuria	ICD-10-CM	Diagnosis
N30.9	Cystitis, unspecified	ICD-10-CM	Diagnosis
N30.90	Cystitis, unspecified without hematuria	ICD-10-CM	Diagnosis
N30.91	Cystitis, unspecified with hematuria	ICD-10-CM	Diagnosis
N39.0	Urinary tract infection, site not specified	ICD-10-CM	Diagnosis
O23.00	Infections of kidney in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O23.01	Infections of kidney in pregnancy, first trimester	ICD-10-CM	Diagnosis
O23.02	Infections of kidney in pregnancy, second trimester	ICD-10-CM	Diagnosis
O23.03	Infections of kidney in pregnancy, third trimester	ICD-10-CM	Diagnosis
O23.1	Infections of bladder in pregnancy	ICD-10-CM	Diagnosis
O23.10	Infections of bladder in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O23.11	Infections of bladder in pregnancy, first trimester	ICD-10-CM	Diagnosis
O23.12	Infections of bladder in pregnancy, second trimester	ICD-10-CM	Diagnosis
O23.13	Infections of bladder in pregnancy, third trimester	ICD-10-CM	Diagnosis

Appendix J. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications¹

Code	Description	Code Type	Code Category
O23.2	Infections of urethra in pregnancy	ICD-10-CM	Diagnosis
O23.20	Infections of urethra in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O23.21	Infections of urethra in pregnancy, first trimester	ICD-10-CM	Diagnosis
O23.22	Infections of urethra in pregnancy, second trimester	ICD-10-CM	Diagnosis
O23.23	Infections of urethra in pregnancy, third trimester	ICD-10-CM	Diagnosis
O23.3	Infections of other parts of urinary tract in pregnancy	ICD-10-CM	Diagnosis
O23.30	Infections of other parts of urinary tract in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O23.31	Infections of other parts of urinary tract in pregnancy, first trimester	ICD-10-CM	Diagnosis
O23.32	Infections of other parts of urinary tract in pregnancy, second trimester	ICD-10-CM	Diagnosis
O23.33	Infections of other parts of urinary tract in pregnancy, third trimester	ICD-10-CM	Diagnosis
O23.4	Unspecified infection of urinary tract in pregnancy	ICD-10-CM	Diagnosis
O23.40	Unspecified infection of urinary tract in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O23.41	Unspecified infection of urinary tract in pregnancy, first trimester	ICD-10-CM	Diagnosis
O23.42	Unspecified infection of urinary tract in pregnancy, second trimester	ICD-10-CM	Diagnosis
O23.43	Unspecified infection of urinary tract in pregnancy, third trimester	ICD-10-CM	Diagnosis

¹Lists of relevant conditions were limited to codes indicated as sometimes or always requiring antibiotic treatment in Chua, et al. Appropriateness of outpatient antibiotic prescribing among privately insured US patients: ICD-10-CM based cross sectional study. BMJ, 2019

Appendix K. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening

Code	Description	Code Type	Code Category
Vaccine Administration			
G0008	Administration of influenza virus vaccine	HCPCS	Procedure
G0009	Administration of pneumococcal vaccine	HCPCS	Procedure
G0010	Administration of hepatitis B vaccine	HCPCS	Procedure
Screening Examinations and Disease Management Training			
G0104	Colorectal cancer screening; flexible sigmoidoscopy	HCPCS	Procedure
G0105	Colorectal cancer screening; colonoscopy on individual at high risk	HCPCS	Procedure
G0106	Colorectal cancer screening; alternative to G0104, screening sigmoidoscopy, barium enema	HCPCS	Procedure
G0107	Colorectal cancer screening; fecal-occult blood test, 1-3 simultaneous determinations	HCPCS	Procedure
G0108	Diabetes outpatient self-management training services, individual, per 30 minutes	HCPCS	Procedure
G0109	Diabetes outpatient self-management training services, group session (two or more), per 30 minutes	HCPCS	Procedure
G0110	NETT pulmonary rehabilitation; education/skills training, individual	HCPCS	Procedure
G0111	NETT pulmonary rehabilitation; education/skills, group	HCPCS	Procedure
G0112	NETT pulmonary rehabilitation; nutritional guidance, initial	HCPCS	Procedure
G0113	NETT pulmonary rehabilitation; nutritional guidance, subsequent	HCPCS	Procedure
G0114	NETT pulmonary rehabilitation; psychosocial consultation	HCPCS	Procedure
G0115	NETT pulmonary rehabilitation; psychological testing	HCPCS	Procedure
G0116	NETT pulmonary rehabilitation; psychosocial counselling	HCPCS	Procedure
G0117	Glaucoma screening for high risk patients furnished by an optometrist or ophthalmologist	HCPCS	Procedure
G0118	Glaucoma screening for high risk patient furnished under the direct supervision of an optometrist or ophthalmologist	HCPCS	Procedure
G0120	Colorectal cancer screening; alternative to G0105, screening colonoscopy, barium enema	HCPCS	Procedure
G0121	Colorectal cancer screening; colonoscopy on individual not meeting criteria for high risk	HCPCS	Procedure
G0122	Colorectal cancer screening; barium enema	HCPCS	Procedure
Pap Smear			
V72.32	Encounter for Papanicolaou cervical smear to confirm findings of recent normal smear following initial abnormal smear	ICD-9-CM	Diagnosis
V76.2	Screening for malignant neoplasm of the cervix	ICD-9-CM	Diagnosis
Z01.42	Encounter for cervical smear to confirm findings of recent normal smear following initial abnormal smear	ICD-10-CM	Diagnosis
Z12.4	Encounter for screening for malignant neoplasm of cervix	ICD-10-CM	Diagnosis
G0101	Cervical or vaginal cancer screening; pelvic and clinical breast examination	HCPCS	Procedure
G0123	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, screening by cytotechnologist under physician supervision	HCPCS	Procedure
G0124	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, requiring interpretation by physician	HCPCS	Procedure
G0141	Screening cytopathology smears, cervical or vaginal, performed by automated system, with manual rescreening, requiring interpretation by physician	HCPCS	Procedure

Appendix K. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening

Code	Description	Code Type	Code Category
G0143	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with manual screening and rescreening by cytotechnologist under physician supervision	HCPCS	Procedure
G0144	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with screening by automated system, under physician supervision	HCPCS	Procedure
G0145	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with screening by automated system and manual rescreening under physician supervision	HCPCS	Procedure
P3000	Screening Papanicolaou smear, cervical or vaginal, up to three smears, by technician under physician supervision	HCPCS	Procedure
P3001	Screening Papanicolaou smear, cervical or vaginal, up to three smears, requiring interpretation by physician	HCPCS	Procedure
Q0091	Screening Papanicolaou smear; obtaining, preparing and conveyance of cervical or vaginal smear to laboratory	HCPCS	Procedure
88141	Cytopathology, cervical or vaginal (any reporting system), requiring interpretation by physician	CPT-4	Procedure
88142	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; manual screening under physician supervision	CPT-4	Procedure
88143	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and rescreening under physician supervision	CPT-4	Procedure
88144	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88145	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88147	Cytopathology smears, cervical or vaginal; screening by automated system under physician supervision	CPT-4	Procedure
88148	Cytopathology smears, cervical or vaginal; screening by automated system with manual rescreening under physician supervision	CPT-4	Procedure
88150	Cytopathology, slides, cervical or vaginal; manual screening under physician supervision	CPT-4	Procedure
88151	CYTOPATH SMEARS CERV/VAG 1-3; REQ PHYS INTERPT	CPT-4	Procedure
88152	Cytopathology, slides, cervical or vaginal; with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88153	Cytopathology, slides, cervical or vaginal; with manual screening and rescreening under physician supervision	CPT-4	Procedure
88154	Cytopathology, slides, cervical or vaginal; with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88155	Cytopathology, slides, cervical or vaginal, definitive hormonal evaluation (eg, maturation index, karyopyknotic index, estrogenic index) (List separately in addition to code[s] for other technical and interpretation services)	CPT-4	Procedure

Appendix K. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening

Code	Description	Code Type	Code Category
88164	Cytopathology, slides, cervical or vaginal (the Bethesda System); manual screening under physician supervision	CPT-4	Procedure
88165	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and rescreening under physician supervision	CPT-4	Procedure
88166	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88167	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88174	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; screening by automated system, under physician supervision	CPT-4	Procedure
88175	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with screening by automated system and manual rescreening or review, under physician supervision	CPT-4	Procedure
91.46	Cell block and Papanicolaou smear of specimen from female genital tract	09	Procedure
HPV DNA Test			
87621	Infectious agent detection by nucleic acid (DNA or RNA); papillomavirus, human, amplified probe technique	HCPCS	Procedure
Fecal Occult Blood Test			
82270	Blood, occult, by peroxidase activity (eg, guaiac), qualitative; feces, consecutive collected specimens with single determination, for colorectal neoplasm screening (ie, patient was provided 3 cards or single triple card for consecutive collection)	CPT-4	Procedure
82272	Blood, occult, by peroxidase activity (eg, guaiac), qualitative, feces, 1-3 simultaneous determinations, performed for other than colorectal neoplasm screening	CPT-4	Procedure
82273	Blood, occult, by peroxidase activity (eg, guaiac), qualitative; other sources	CPT-4	Procedure
82274	Blood, occult, by fecal hemoglobin determination by immunoassay, qualitative, feces, 1-3 simultaneous determinations	CPT-4	Procedure

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
Alcohol Abuse			
291.0	Alcohol withdrawal delirium	ICD-9-CM	Diagnosis
291.1	Alcohol-induced persisting amnestic disorder	ICD-9-CM	Diagnosis
291.2	Alcohol-induced persisting dementia	ICD-9-CM	Diagnosis
291.3	Alcohol-induced psychotic disorder with hallucinations	ICD-9-CM	Diagnosis
291.4	Idiosyncratic alcohol intoxication	ICD-9-CM	Diagnosis
291.5	Alcohol-induced psychotic disorder with delusions	ICD-9-CM	Diagnosis
291.8	Other specified alcohol-induced mental disorders	ICD-9-CM	Diagnosis
291.81	Alcohol withdrawal	ICD-9-CM	Diagnosis
291.82	Alcohol induced sleep disorders	ICD-9-CM	Diagnosis
291.89	Other specified alcohol-induced mental disorders	ICD-9-CM	Diagnosis
291.9	Unspecified alcohol-induced mental disorders	ICD-9-CM	Diagnosis
303.0	Acute alcoholic intoxication	ICD-9-CM	Diagnosis
303.00	Acute alcoholic intoxication, unspecified	ICD-9-CM	Diagnosis
303.01	Acute alcoholic intoxication, continuous	ICD-9-CM	Diagnosis
303.02	Acute alcoholic intoxication, episodic	ICD-9-CM	Diagnosis
303.03	Acute alcoholic intoxication, in remission	ICD-9-CM	Diagnosis
303.9	Other and unspecified alcohol dependence	ICD-9-CM	Diagnosis
303.90	Other and unspecified alcohol dependence, unspecified	ICD-9-CM	Diagnosis
303.91	Other and unspecified alcohol dependence, continuous	ICD-9-CM	Diagnosis
303.92	Other and unspecified alcohol dependence, episodic	ICD-9-CM	Diagnosis
303.93	Other and unspecified alcohol dependence, in remission	ICD-9-CM	Diagnosis
305.0	Nondependent alcohol abuse	ICD-9-CM	Diagnosis
305.00	Nondependent alcohol abuse, unspecified	ICD-9-CM	Diagnosis
305.01	Nondependent alcohol abuse, continuous	ICD-9-CM	Diagnosis
305.02	Nondependent alcohol abuse, episodic	ICD-9-CM	Diagnosis
305.03	Nondependent alcohol abuse, in remission	ICD-9-CM	Diagnosis
F10.10	Alcohol abuse, uncomplicated	ICD-10-CM	Diagnosis
F10.11	Alcohol abuse, in remission	ICD-10-CM	Diagnosis
F10.120	Alcohol abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F10.121	Alcohol abuse with intoxication delirium	ICD-10-CM	Diagnosis
F10.129	Alcohol abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F10.14	Alcohol abuse with alcohol-induced mood disorder	ICD-10-CM	Diagnosis
F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F10.151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F10.159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F10.180	Alcohol abuse with alcohol-induced anxiety disorder	ICD-10-CM	Diagnosis
F10.181	Alcohol abuse with alcohol-induced sexual dysfunction	ICD-10-CM	Diagnosis
F10.182	Alcohol abuse with alcohol-induced sleep disorder	ICD-10-CM	Diagnosis
F10.188	Alcohol abuse with other alcohol-induced disorder	ICD-10-CM	Diagnosis
F10.19	Alcohol abuse with unspecified alcohol-induced disorder	ICD-10-CM	Diagnosis
F10.20	Alcohol dependence, uncomplicated	ICD-10-CM	Diagnosis
F10.21	Alcohol dependence, in remission	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F10.220	Alcohol dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F10.221	Alcohol dependence with intoxication delirium	ICD-10-CM	Diagnosis
F10.229	Alcohol dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F10.230	Alcohol dependence with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F10.231	Alcohol dependence with withdrawal delirium	ICD-10-CM	Diagnosis
F10.232	Alcohol dependence with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F10.239	Alcohol dependence with withdrawal, unspecified	ICD-10-CM	Diagnosis
F10.24	Alcohol dependence with alcohol-induced mood disorder	ICD-10-CM	Diagnosis
F10.250	Alcohol dependence with alcohol-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F10.251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F10.259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F10.26	Alcohol dependence with alcohol-induced persisting amnestic disorder	ICD-10-CM	Diagnosis
F10.27	Alcohol dependence with alcohol-induced persisting dementia	ICD-10-CM	Diagnosis
F10.280	Alcohol dependence with alcohol-induced anxiety disorder	ICD-10-CM	Diagnosis
F10.281	Alcohol dependence with alcohol-induced sexual dysfunction	ICD-10-CM	Diagnosis
F10.282	Alcohol dependence with alcohol-induced sleep disorder	ICD-10-CM	Diagnosis
F10.288	Alcohol dependence with other alcohol-induced disorder	ICD-10-CM	Diagnosis
F10.29	Alcohol dependence with unspecified alcohol-induced disorder	ICD-10-CM	Diagnosis
F10.920	Alcohol use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F10.921	Alcohol use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F10.929	Alcohol use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F10.94	Alcohol use, unspecified with alcohol-induced mood disorder	ICD-10-CM	Diagnosis
F10.950	Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F10.951	Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F10.959	Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F10.96	Alcohol use, unspecified with alcohol-induced persisting amnestic disorder	ICD-10-CM	Diagnosis
F10.97	Alcohol use, unspecified with alcohol-induced persisting dementia	ICD-10-CM	Diagnosis
F10.980	Alcohol use, unspecified with alcohol-induced anxiety disorder	ICD-10-CM	Diagnosis
F10.981	Alcohol use, unspecified with alcohol-induced sexual dysfunction	ICD-10-CM	Diagnosis
F10.982	Alcohol use, unspecified with alcohol-induced sleep disorder	ICD-10-CM	Diagnosis
F10.988	Alcohol use, unspecified with other alcohol-induced disorder	ICD-10-CM	Diagnosis
F10.99	Alcohol use, unspecified with unspecified alcohol-induced disorder	ICD-10-CM	Diagnosis
Asthma			
493.0	Extrinsic asthma	ICD-9-CM	Diagnosis
493.00	Extrinsic asthma, unspecified	ICD-9-CM	Diagnosis
493.01	Extrinsic asthma with status asthmaticus	ICD-9-CM	Diagnosis
493.02	Extrinsic asthma, with (acute) exacerbation	ICD-9-CM	Diagnosis
493.1	Intrinsic asthma	ICD-9-CM	Diagnosis
493.10	Intrinsic asthma, unspecified	ICD-9-CM	Diagnosis
493.11	Intrinsic asthma with status asthmaticus	ICD-9-CM	Diagnosis
493.12	Intrinsic asthma, with (acute) exacerbation	ICD-9-CM	Diagnosis
493.2	Chronic obstructive asthma	ICD-9-CM	Diagnosis
493.20	Chronic obstructive asthma, unspecified	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
493.21	Chronic obstructive asthma with status asthmaticus	ICD-9-CM	Diagnosis
493.22	Chronic obstructive asthma, with (acute) exacerbation	ICD-9-CM	Diagnosis
493.8	Other forms of asthma	ICD-9-CM	Diagnosis
493.81	Exercise induced bronchospasm	ICD-9-CM	Diagnosis
493.82	Cough variant asthma	ICD-9-CM	Diagnosis
493.9	Unspecified asthma	ICD-9-CM	Diagnosis
493.90	Asthma, unspecified, unspecified status	ICD-9-CM	Diagnosis
493.91	Asthma, unspecified with status asthmaticus	ICD-9-CM	Diagnosis
493.92	Asthma, unspecified, with (acute) exacerbation	ICD-9-CM	Diagnosis
J44.0	Chronic obstructive pulmonary disease with (acute) lower respiratory infection	ICD-10-CM	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	ICD-10-CM	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	ICD-10-CM	Diagnosis
J45.20	Mild intermittent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.21	Mild intermittent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.22	Mild intermittent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.30	Mild persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.31	Mild persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.32	Mild persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.40	Moderate persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.41	Moderate persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.42	Moderate persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.50	Severe persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.51	Severe persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.52	Severe persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.901	Unspecified asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45.902	Unspecified asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45.909	Unspecified asthma, uncomplicated	ICD-10-CM	Diagnosis
J45.990	Exercise induced bronchospasm	ICD-10-CM	Diagnosis
J45.991	Cough variant asthma	ICD-10-CM	Diagnosis
J45.998	Other asthma	ICD-10-CM	Diagnosis
Cardiac Valvular Disease			
394.0	Mitral stenosis	ICD-9-CM	Diagnosis
394.1	Rheumatic mitral insufficiency	ICD-9-CM	Diagnosis
394.2	Mitral stenosis with insufficiency	ICD-9-CM	Diagnosis
394.9	Other and unspecified mitral valve diseases	ICD-9-CM	Diagnosis
395.0	Rheumatic aortic stenosis	ICD-9-CM	Diagnosis
395.1	Rheumatic aortic insufficiency	ICD-9-CM	Diagnosis
395.2	Rheumatic aortic stenosis with insufficiency	ICD-9-CM	Diagnosis
395.9	Other and unspecified rheumatic aortic diseases	ICD-9-CM	Diagnosis
396.0	Mitral valve stenosis and aortic valve stenosis	ICD-9-CM	Diagnosis
396.1	Mitral valve stenosis and aortic valve insufficiency	ICD-9-CM	Diagnosis
396.2	Mitral valve insufficiency and aortic valve stenosis	ICD-9-CM	Diagnosis
396.3	Mitral valve insufficiency and aortic valve insufficiency	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
396.8	Multiple involvement of mitral and aortic valves	ICD-9-CM	Diagnosis
396.9	Unspecified mitral and aortic valve diseases	ICD-9-CM	Diagnosis
397.0	Diseases of tricuspid valve	ICD-9-CM	Diagnosis
397.1	Rheumatic diseases of pulmonary valve	ICD-9-CM	Diagnosis
397.9	Rheumatic diseases of endocardium, valve unspecified	ICD-9-CM	Diagnosis
424.0	Mitral valve disorders	ICD-9-CM	Diagnosis
424.1	Aortic valve disorders	ICD-9-CM	Diagnosis
424.2	Tricuspid valve disorders, specified as nonrheumatic	ICD-9-CM	Diagnosis
424.3	Pulmonary valve disorders	ICD-9-CM	Diagnosis
424.9	Endocarditis, valve unspecified	ICD-9-CM	Diagnosis
424.90	Endocarditis, valve unspecified, unspecified cause	ICD-9-CM	Diagnosis
424.91	Endocarditis in diseases classified elsewhere	ICD-9-CM	Diagnosis
424.99	Other endocarditis, valve unspecified	ICD-9-CM	Diagnosis
A18.84	Tuberculosis of heart	ICD-10-CM	Diagnosis
I05.0	Rheumatic mitral stenosis	ICD-10-CM	Diagnosis
I05.1	Rheumatic mitral insufficiency	ICD-10-CM	Diagnosis
I05.2	Rheumatic mitral stenosis with insufficiency	ICD-10-CM	Diagnosis
I05.8	Other rheumatic mitral valve diseases	ICD-10-CM	Diagnosis
I05.9	Rheumatic mitral valve disease, unspecified	ICD-10-CM	Diagnosis
I06.0	Rheumatic aortic stenosis	ICD-10-CM	Diagnosis
I06.1	Rheumatic aortic insufficiency	ICD-10-CM	Diagnosis
I06.2	Rheumatic aortic stenosis with insufficiency	ICD-10-CM	Diagnosis
I06.8	Other rheumatic aortic valve diseases	ICD-10-CM	Diagnosis
I06.9	Rheumatic aortic valve disease, unspecified	ICD-10-CM	Diagnosis
I07.0	Rheumatic tricuspid stenosis	ICD-10-CM	Diagnosis
I07.1	Rheumatic tricuspid insufficiency	ICD-10-CM	Diagnosis
I07.2	Rheumatic tricuspid stenosis and insufficiency	ICD-10-CM	Diagnosis
I07.8	Other rheumatic tricuspid valve diseases	ICD-10-CM	Diagnosis
I07.9	Rheumatic tricuspid valve disease, unspecified	ICD-10-CM	Diagnosis
I08.0	Rheumatic disorders of both mitral and aortic valves	ICD-10-CM	Diagnosis
I08.1	Rheumatic disorders of both mitral and tricuspid valves	ICD-10-CM	Diagnosis
I08.2	Rheumatic disorders of both aortic and tricuspid valves	ICD-10-CM	Diagnosis
I08.3	Combined rheumatic disorders of mitral, aortic and tricuspid valves	ICD-10-CM	Diagnosis
I08.8	Other rheumatic multiple valve diseases	ICD-10-CM	Diagnosis
I08.9	Rheumatic multiple valve disease, unspecified	ICD-10-CM	Diagnosis
I09.1	Rheumatic diseases of endocardium, valve unspecified	ICD-10-CM	Diagnosis
I09.89	Other specified rheumatic heart diseases	ICD-10-CM	Diagnosis
I34.0	Nonrheumatic mitral (valve) insufficiency	ICD-10-CM	Diagnosis
I34.1	Nonrheumatic mitral (valve) prolapse	ICD-10-CM	Diagnosis
I34.2	Nonrheumatic mitral (valve) stenosis	ICD-10-CM	Diagnosis
I34.8	Other nonrheumatic mitral valve disorders	ICD-10-CM	Diagnosis
I34.9	Nonrheumatic mitral valve disorder, unspecified	ICD-10-CM	Diagnosis
I35.0	Nonrheumatic aortic (valve) stenosis	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
I35.1	Nonrheumatic aortic (valve) insufficiency	ICD-10-CM	Diagnosis
I35.2	Nonrheumatic aortic (valve) stenosis with insufficiency	ICD-10-CM	Diagnosis
I35.8	Other nonrheumatic aortic valve disorders	ICD-10-CM	Diagnosis
I35.9	Nonrheumatic aortic valve disorder, unspecified	ICD-10-CM	Diagnosis
I36.0	Nonrheumatic tricuspid (valve) stenosis	ICD-10-CM	Diagnosis
I36.1	Nonrheumatic tricuspid (valve) insufficiency	ICD-10-CM	Diagnosis
I36.2	Nonrheumatic tricuspid (valve) stenosis with insufficiency	ICD-10-CM	Diagnosis
I36.8	Other nonrheumatic tricuspid valve disorders	ICD-10-CM	Diagnosis
I36.9	Nonrheumatic tricuspid valve disorder, unspecified	ICD-10-CM	Diagnosis
I37.0	Nonrheumatic pulmonary valve stenosis	ICD-10-CM	Diagnosis
I37.1	Nonrheumatic pulmonary valve insufficiency	ICD-10-CM	Diagnosis
I37.2	Nonrheumatic pulmonary valve stenosis with insufficiency	ICD-10-CM	Diagnosis
I37.8	Other nonrheumatic pulmonary valve disorders	ICD-10-CM	Diagnosis
I37.9	Nonrheumatic pulmonary valve disorder, unspecified	ICD-10-CM	Diagnosis
I38	Endocarditis, valve unspecified	ICD-10-CM	Diagnosis
I39	Endocarditis and heart valve disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
M32.11	Endocarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Chronic Congestive Heart Failure			
428.22	Chronic systolic heart failure	ICD-9-CM	Diagnosis
428.23	Acute on chronic systolic heart failure	ICD-9-CM	Diagnosis
428.32	Chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.33	Acute on chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.42	Chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.43	Acute on chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
I50.22	Chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.23	Acute on chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.32	Chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.33	Acute on chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
Chronic Ischemic Heart Disease			
413.0	Angina decubitus	ICD-9-CM	Diagnosis
413.1	Prinzmetal angina	ICD-9-CM	Diagnosis
413.9	Other and unspecified angina pectoris	ICD-9-CM	Diagnosis
414.0	Coronary atherosclerosis	ICD-9-CM	Diagnosis
414.00	Coronary atherosclerosis of unspecified type of vessel, native or graft	ICD-9-CM	Diagnosis
414.01	Coronary atherosclerosis of native coronary artery	ICD-9-CM	Diagnosis
414.02	Coronary atherosclerosis of autologous vein bypass graft	ICD-9-CM	Diagnosis
414.03	Coronary atherosclerosis of nonautologous biological bypass graft	ICD-9-CM	Diagnosis
414.04	Coronary atherosclerosis of artery bypass graft	ICD-9-CM	Diagnosis
414.05	Coronary atherosclerosis of unspecified type of bypass graft	ICD-9-CM	Diagnosis
414.06	Coronary atherosclerosis, of native coronary artery of transplanted heart	ICD-9-CM	Diagnosis
414.07	Coronary atherosclerosis, of bypass graft (artery) (vein) of transplanted heart	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
414.1	Aneurysm and dissection of heart	ICD-9-CM	Diagnosis
414.10	Aneurysm of heart	ICD-9-CM	Diagnosis
414.11	Aneurysm of coronary vessels	ICD-9-CM	Diagnosis
414.12	Dissection of coronary artery	ICD-9-CM	Diagnosis
414.19	Other aneurysm of heart	ICD-9-CM	Diagnosis
414.2	Chronic total occlusion of coronary artery	ICD-9-CM	Diagnosis
414.3	Coronary atherosclerosis due to lipid rich plaque	ICD-9-CM	Diagnosis
414.4	Coronary atherosclerosis due to calcified coronary lesion	ICD-9-CM	Diagnosis
414.8	Other specified forms of chronic ischemic heart disease	ICD-9-CM	Diagnosis
414.9	Unspecified chronic ischemic heart disease	ICD-9-CM	Diagnosis
I20.1	Angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I20.8	Other forms of angina pectoris	ICD-10-CM	Diagnosis
I20.9	Angina pectoris, unspecified	ICD-10-CM	Diagnosis
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris	ICD-10-CM	Diagnosis
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.3	Aneurysm of heart	ICD-10-CM	Diagnosis
I25.41	Coronary artery aneurysm	ICD-10-CM	Diagnosis
I25.42	Coronary artery dissection	ICD-10-CM	Diagnosis
I25.5	Ischemic cardiomyopathy	ICD-10-CM	Diagnosis
I25.6	Silent myocardial ischemia	ICD-10-CM	Diagnosis
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina	ICD-10-CM	Diagnosis
I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	ICD-10-CM	Diagnosis
I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris	ICD-10-CM	Diagnosis
I25.791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm	ICD-10-CM	Diagnosis
I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris	ICD-10-CM	Diagnosis
I25.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris	ICD-10-CM	Diagnosis
I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris	ICD-10-CM	Diagnosis
I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris	ICD-10-CM	Diagnosis
I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris	ICD-10-CM	Diagnosis
I25.82	Chronic total occlusion of coronary artery	ICD-10-CM	Diagnosis
I25.83	Coronary atherosclerosis due to lipid rich plaque	ICD-10-CM	Diagnosis
I25.84	Coronary atherosclerosis due to calcified coronary lesion	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
I25.89	Other forms of chronic ischemic heart disease	ICD-10-CM	Diagnosis
I25.9	Chronic ischemic heart disease, unspecified	ICD-10-CM	Diagnosis
Chronic Renal Disease			
581.0	Nephrotic syndrome with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
581.1	Nephrotic syndrome with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis
581.2	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
581.3	Nephrotic syndrome with lesion of minimal change glomerulonephritis	ICD-9-CM	Diagnosis
581.8	Nephrotic syndrome with other specified pathological lesion in kidney	ICD-9-CM	Diagnosis
581.81	Nephrotic syndrome with other specified pathological lesion in kidney in diseases classified elsewhere	ICD-9-CM	Diagnosis
581.89	Other nephrotic syndrome with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
581.9	Nephrotic syndrome with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
582.0	Chronic glomerulonephritis with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
582.1	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis
582.2	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
582.4	Chronic glomerulonephritis with lesion of rapidly progressive glomerulonephritis	ICD-9-CM	Diagnosis
582.8	Chronic glomerulonephritis with other specified pathological lesion in kidney	ICD-9-CM	Diagnosis
582.81	Chronic glomerulonephritis with other specified pathological lesion in kidney in diseases classified elsewhere	ICD-9-CM	Diagnosis
582.89	Other chronic glomerulonephritis with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
582.9	Chronic glomerulonephritis with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
583.0	Nephritis and nephropathy, not specified as acute or chronic, with lesion of proliferative glomerulonephritis	ICD-9-CM	Diagnosis
583.1	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranous glomerulonephritis	ICD-9-CM	Diagnosis
583.2	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	ICD-9-CM	Diagnosis
583.4	Nephritis and nephropathy, not specified as acute or chronic, with lesion of rapidly progressive glomerulonephritis	ICD-9-CM	Diagnosis
583.6	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal cortical necrosis	ICD-9-CM	Diagnosis
583.7	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal medullary necrosis	ICD-9-CM	Diagnosis
583.8	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	ICD-9-CM	Diagnosis
583.81	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney, in diseases classified elsewhere	ICD-9-CM	Diagnosis
583.89	Other nephritis and nephropathy, not specified as acute or chronic, with specified pathological lesion in kidney	ICD-9-CM	Diagnosis
583.9	Nephritis and nephropathy, not specified as acute or chronic, with unspecified pathological lesion in kidney	ICD-9-CM	Diagnosis
585.1	Chronic kidney disease, Stage I	ICD-9-CM	Diagnosis
585.2	Chronic kidney disease, Stage II (mild)	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
585.3	Chronic kidney disease, Stage III (moderate)	ICD-9-CM	Diagnosis
585.4	Chronic kidney disease, Stage IV (severe)	ICD-9-CM	Diagnosis
585.5	Chronic kidney disease, Stage V	ICD-9-CM	Diagnosis
585.6	End stage renal disease	ICD-9-CM	Diagnosis
585.9	Chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
587	Unspecified renal sclerosis	ICD-9-CM	Diagnosis
588.0	Renal osteodystrophy	ICD-9-CM	Diagnosis
588.1	Nephrogenic diabetes insipidus	ICD-9-CM	Diagnosis
588.8	Other specified disorder resulting from impaired renal function	ICD-9-CM	Diagnosis
588.81	Secondary hyperparathyroidism (of renal origin)	ICD-9-CM	Diagnosis
588.89	Other specified disorders resulting from impaired renal function	ICD-9-CM	Diagnosis
588.9	Unspecified disorder resulting from impaired renal function	ICD-9-CM	Diagnosis
646.2	Unspecified renal disease in pregnancy, without mention of hypertension	ICD-9-CM	Diagnosis
646.20	Unspecified renal disease in pregnancy, unspecified as to episode of care	ICD-9-CM	Diagnosis
646.21	Unspecified renal disease in pregnancy, with delivery	ICD-9-CM	Diagnosis
646.22	Unspecified renal disease in pregnancy, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
646.23	Unspecified antepartum renal disease	ICD-9-CM	Diagnosis
646.24	Unspecified renal disease in pregnancy, without mention of hypertension, postpartum condition or complication	ICD-9-CM	Diagnosis
B52.0	Plasmodium malariae malaria with nephropathy	ICD-10-CM	Diagnosis
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	ICD-10-CM	Diagnosis
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	ICD-10-CM	Diagnosis
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
M32.14	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M35.04	Sicca syndrome with tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
N02.0	Recurrent and persistent hematuria with minor glomerular abnormality	ICD-10-CM	Diagnosis
N02.1	Recurrent and persistent hematuria with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis
N02.2	Recurrent and persistent hematuria with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N02.3	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N02.4	Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N02.5	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N02.6	Recurrent and persistent hematuria with dense deposit disease	ICD-10-CM	Diagnosis
N02.7	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N02.8	Recurrent and persistent hematuria with other morphologic changes	ICD-10-CM	Diagnosis
N02.9	Recurrent and persistent hematuria with unspecified morphologic changes	ICD-10-CM	Diagnosis
N03.0	Chronic nephritic syndrome with minor glomerular abnormality	ICD-10-CM	Diagnosis
N03.1	Chronic nephritic syndrome with focal and segmental glomerular lesions	ICD-10-CM	Diagnosis

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

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Code	Description	Code Type	Code Category
N07.2	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	ICD-10-CM	Diagnosis
N07.3	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N07.4	Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis	ICD-10-CM	Diagnosis
N07.5	Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis	ICD-10-CM	Diagnosis
N07.6	Hereditary nephropathy, not elsewhere classified with dense deposit disease	ICD-10-CM	Diagnosis
N07.7	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	ICD-10-CM	Diagnosis
N07.8	Hereditary nephropathy, not elsewhere classified with other morphologic lesions	ICD-10-CM	Diagnosis
N07.9	Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions	ICD-10-CM	Diagnosis
N08	Glomerular disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
N14.0	Analgesic nephropathy	ICD-10-CM	Diagnosis
N14.1	Nephropathy induced by other drugs, medicaments and biological substances	ICD-10-CM	Diagnosis
N14.2	Nephropathy induced by unspecified drug, medicament or biological substance	ICD-10-CM	Diagnosis
N14.3	Nephropathy induced by heavy metals	ICD-10-CM	Diagnosis
N14.4	Toxic nephropathy, not elsewhere classified	ICD-10-CM	Diagnosis
N15.0	Balkan nephropathy	ICD-10-CM	Diagnosis
N15.8	Other specified renal tubulo-interstitial diseases	ICD-10-CM	Diagnosis
N15.9	Renal tubulo-interstitial disease, unspecified	ICD-10-CM	Diagnosis
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
N17.1	Acute kidney failure with acute cortical necrosis	ICD-10-CM	Diagnosis
N17.2	Acute kidney failure with medullary necrosis	ICD-10-CM	Diagnosis
N18.1	Chronic kidney disease, stage 1	ICD-10-CM	Diagnosis
N18.2	Chronic kidney disease, stage 2 (mild)	ICD-10-CM	Diagnosis
N18.3	Chronic kidney disease, stage 3 (moderate)	ICD-10-CM	Diagnosis
N18.4	Chronic kidney disease, stage 4 (severe)	ICD-10-CM	Diagnosis
N18.5	Chronic kidney disease, stage 5	ICD-10-CM	Diagnosis
N18.6	End stage renal disease	ICD-10-CM	Diagnosis
N18.9	Chronic kidney disease, unspecified	ICD-10-CM	Diagnosis
N25.0	Renal osteodystrophy	ICD-10-CM	Diagnosis
N25.1	Nephrogenic diabetes insipidus	ICD-10-CM	Diagnosis
N25.81	Secondary hyperparathyroidism of renal origin	ICD-10-CM	Diagnosis
N25.89	Other disorders resulting from impaired renal tubular function	ICD-10-CM	Diagnosis
N25.9	Disorder resulting from impaired renal tubular function, unspecified	ICD-10-CM	Diagnosis
N26.1	Atrophy of kidney (terminal)	ICD-10-CM	Diagnosis
N26.9	Renal sclerosis, unspecified	ICD-10-CM	Diagnosis
O10.211	Pre-existing hypertensive chronic kidney disease complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.212	Pre-existing hypertensive chronic kidney disease complicating pregnancy, second trimester	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
O10.213	Pre-existing hypertensive chronic kidney disease complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.219	Pre-existing hypertensive chronic kidney disease complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.22	Pre-existing hypertensive chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O10.23	Pre-existing hypertensive chronic kidney disease complicating the puerperium	ICD-10-CM	Diagnosis
O10.311	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.312	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.313	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.319	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.32	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O10.33	Pre-existing hypertensive heart and chronic kidney disease complicating the puerperium	ICD-10-CM	Diagnosis
O12.10	Gestational proteinuria, unspecified trimester	ICD-10-CM	Diagnosis
O12.11	Gestational proteinuria, first trimester	ICD-10-CM	Diagnosis
O12.12	Gestational proteinuria, second trimester	ICD-10-CM	Diagnosis
O12.13	Gestational proteinuria, third trimester	ICD-10-CM	Diagnosis
O12.14	Gestational proteinuria, complicating childbirth	ICD-10-CM	Diagnosis
O12.15	Gestational proteinuria, complicating the puerperium	ICD-10-CM	Diagnosis
O12.20	Gestational edema with proteinuria, unspecified trimester	ICD-10-CM	Diagnosis
O12.21	Gestational edema with proteinuria, first trimester	ICD-10-CM	Diagnosis
O12.22	Gestational edema with proteinuria, second trimester	ICD-10-CM	Diagnosis
O12.23	Gestational edema with proteinuria, third trimester	ICD-10-CM	Diagnosis
O12.24	Gestational edema with proteinuria, complicating childbirth	ICD-10-CM	Diagnosis
O12.25	Gestational edema with proteinuria, complicating the puerperium	ICD-10-CM	Diagnosis
O26.831	Pregnancy related renal disease, first trimester	ICD-10-CM	Diagnosis
O26.832	Pregnancy related renal disease, second trimester	ICD-10-CM	Diagnosis
O26.833	Pregnancy related renal disease, third trimester	ICD-10-CM	Diagnosis
O26.839	Pregnancy related renal disease, unspecified trimester	ICD-10-CM	Diagnosis
End Stage Liver Disease			
070.20	Viral hepatitis B with hepatic coma, acute or unspecified, without mention of hepatitis delta	ICD-9-CM	Diagnosis
070.21	Viral hepatitis B with hepatic coma, acute or unspecified, with hepatitis delta	ICD-9-CM	Diagnosis
070.22	Viral hepatitis B with hepatic coma, chronic, without mention of hepatitis delta	ICD-9-CM	Diagnosis
070.23	Viral hepatitis B with hepatic coma, chronic, with hepatitis delta	ICD-9-CM	Diagnosis
070.30	Viral hepatitis B without mention of hepatic coma, acute or unspecified, without mention of hepatitis delta	ICD-9-CM	Diagnosis
070.31	Viral hepatitis B without mention of hepatic coma, acute or unspecified, with hepatitis delta	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
070.32	Viral hepatitis B without mention of hepatic coma, chronic, without mention of hepatitis delta	ICD-9-CM	Diagnosis
070.33	Viral hepatitis B without mention of hepatic coma, chronic, with hepatitis delta	ICD-9-CM	Diagnosis
070.4	Other specified viral hepatitis with hepatic coma	ICD-9-CM	Diagnosis
070.41	Acute hepatitis C with hepatic coma	ICD-9-CM	Diagnosis
070.42	Hepatitis delta without mention of active hepatitis B disease with hepatic coma	ICD-9-CM	Diagnosis
070.44	Chronic hepatitis C with hepatic coma	ICD-9-CM	Diagnosis
070.49	Other specified viral hepatitis with hepatic coma	ICD-9-CM	Diagnosis
070.51	Acute hepatitis C without mention of hepatic coma	ICD-9-CM	Diagnosis
070.52	Hepatitis delta without mention of active hepatitis B disease or hepatic coma	ICD-9-CM	Diagnosis
070.54	Chronic hepatitis C without mention of hepatic coma	ICD-9-CM	Diagnosis
070.59	Other specified viral hepatitis without mention of hepatic coma	ICD-9-CM	Diagnosis
070.6	Unspecified viral hepatitis with hepatic coma	ICD-9-CM	Diagnosis
070.70	Unspecified viral hepatitis C without hepatic coma	ICD-9-CM	Diagnosis
070.71	Unspecified viral hepatitis C with hepatic coma	ICD-9-CM	Diagnosis
070.9	Unspecified viral hepatitis without mention of hepatic coma	ICD-9-CM	Diagnosis
273.4	Alpha-1-antitrypsin deficiency	ICD-9-CM	Diagnosis
275.0	Disorders of iron metabolism	ICD-9-CM	Diagnosis
275.1	Disorders of copper metabolism	ICD-9-CM	Diagnosis
453.0	Budd-Chiari syndrome	ICD-9-CM	Diagnosis
456.0	Esophageal varices with bleeding	ICD-9-CM	Diagnosis
456.1	Esophageal varices without mention of bleeding	ICD-9-CM	Diagnosis
456.20	Esophageal varices with bleeding in diseases classified elsewhere	ICD-9-CM	Diagnosis
456.21	Esophageal varices without mention of bleeding in diseases classified elsewhere	ICD-9-CM	Diagnosis
567.0	Peritonitis in infectious diseases classified elsewhere	ICD-9-CM	Diagnosis
567.2	Other suppurative peritonitis	ICD-9-CM	Diagnosis
567.21	Peritonitis (acute) generalized	ICD-9-CM	Diagnosis
567.29	Other suppurative peritonitis	ICD-9-CM	Diagnosis
567.8	Other specified peritonitis	ICD-9-CM	Diagnosis
567.89	Other specified peritonitis	ICD-9-CM	Diagnosis
567.9	Unspecified peritonitis	ICD-9-CM	Diagnosis
571.0	Alcoholic fatty liver	ICD-9-CM	Diagnosis
571.1	Acute alcoholic hepatitis	ICD-9-CM	Diagnosis
571.2	Alcoholic cirrhosis of liver	ICD-9-CM	Diagnosis
571.40	Unspecified chronic hepatitis	ICD-9-CM	Diagnosis
571.41	Chronic persistent hepatitis	ICD-9-CM	Diagnosis
571.42	Autoimmune hepatitis	ICD-9-CM	Diagnosis
571.5	Cirrhosis of liver without mention of alcohol	ICD-9-CM	Diagnosis
571.6	Biliary cirrhosis	ICD-9-CM	Diagnosis
571.8	Other chronic nonalcoholic liver disease	ICD-9-CM	Diagnosis
571.9	Unspecified chronic liver disease without mention of alcohol	ICD-9-CM	Diagnosis
572.2	Hepatic encephalopathy	ICD-9-CM	Diagnosis
572.4	Hepatorenal syndrome	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
573.0	Chronic passive congestion of liver	ICD-9-CM	Diagnosis
573.1	Hepatitis in viral diseases classified elsewhere	ICD-9-CM	Diagnosis
573.3	Unspecified hepatitis	ICD-9-CM	Diagnosis
573.8	Other specified disorders of liver	ICD-9-CM	Diagnosis
573.9	Unspecified disorder of liver	ICD-9-CM	Diagnosis
576.1	Cholangitis	ICD-9-CM	Diagnosis
789.51	Malignant ascites	ICD-9-CM	Diagnosis
789.59	Other ascites	ICD-9-CM	Diagnosis
B16.0	Acute hepatitis B with delta-agent with hepatic coma	ICD-10-CM	Diagnosis
B16.1	Acute hepatitis B with delta-agent without hepatic coma	ICD-10-CM	Diagnosis
B16.2	Acute hepatitis B without delta-agent with hepatic coma	ICD-10-CM	Diagnosis
B16.9	Acute hepatitis B without delta-agent and without hepatic coma	ICD-10-CM	Diagnosis
B17.0	Acute delta-(super) infection of hepatitis B carrier	ICD-10-CM	Diagnosis
B17.10	Acute hepatitis C without hepatic coma	ICD-10-CM	Diagnosis
B17.11	Acute hepatitis C with hepatic coma	ICD-10-CM	Diagnosis
B17.8	Other specified acute viral hepatitis	ICD-10-CM	Diagnosis
B17.9	Acute viral hepatitis, unspecified	ICD-10-CM	Diagnosis
B18.0	Chronic viral hepatitis B with delta-agent	ICD-10-CM	Diagnosis
B18.1	Chronic viral hepatitis B without delta-agent	ICD-10-CM	Diagnosis
B18.2	Chronic viral hepatitis C	ICD-10-CM	Diagnosis
B18.8	Other chronic viral hepatitis	ICD-10-CM	Diagnosis
B18.9	Chronic viral hepatitis, unspecified	ICD-10-CM	Diagnosis
B19.0	Unspecified viral hepatitis with hepatic coma	ICD-10-CM	Diagnosis
B19.10	Unspecified viral hepatitis B without hepatic coma	ICD-10-CM	Diagnosis
B19.11	Unspecified viral hepatitis B with hepatic coma	ICD-10-CM	Diagnosis
B19.20	Unspecified viral hepatitis C without hepatic coma	ICD-10-CM	Diagnosis
B19.21	Unspecified viral hepatitis C with hepatic coma	ICD-10-CM	Diagnosis
B19.9	Unspecified viral hepatitis without hepatic coma	ICD-10-CM	Diagnosis
B25.1	Cytomegaloviral hepatitis	ICD-10-CM	Diagnosis
E83.00	Disorder of copper metabolism, unspecified	ICD-10-CM	Diagnosis
E83.01	Wilson's disease	ICD-10-CM	Diagnosis
E83.09	Other disorders of copper metabolism	ICD-10-CM	Diagnosis
E88.01	Alpha-1-antitrypsin deficiency	ICD-10-CM	Diagnosis
I82.0	Budd-Chiari syndrome	ICD-10-CM	Diagnosis
I85.00	Esophageal varices without bleeding	ICD-10-CM	Diagnosis
I85.01	Esophageal varices with bleeding	ICD-10-CM	Diagnosis
I85.10	Secondary esophageal varices without bleeding	ICD-10-CM	Diagnosis
I85.11	Secondary esophageal varices with bleeding	ICD-10-CM	Diagnosis
K65.0	Generalized (acute) peritonitis	ICD-10-CM	Diagnosis
K65.8	Other peritonitis	ICD-10-CM	Diagnosis
K65.9	Peritonitis, unspecified	ICD-10-CM	Diagnosis
K67	Disorders of peritoneum in infectious diseases classified elsewhere	ICD-10-CM	Diagnosis
K70.0	Alcoholic fatty liver	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
K70.10	Alcoholic hepatitis without ascites	ICD-10-CM	Diagnosis
K70.11	Alcoholic hepatitis with ascites	ICD-10-CM	Diagnosis
K70.2	Alcoholic fibrosis and sclerosis of liver	ICD-10-CM	Diagnosis
K70.30	Alcoholic cirrhosis of liver without ascites	ICD-10-CM	Diagnosis
K70.31	Alcoholic cirrhosis of liver with ascites	ICD-10-CM	Diagnosis
K70.41	Alcoholic hepatic failure with coma	ICD-10-CM	Diagnosis
K71.0	Toxic liver disease with cholestasis	ICD-10-CM	Diagnosis
K71.10	Toxic liver disease with hepatic necrosis, without coma	ICD-10-CM	Diagnosis
K71.11	Toxic liver disease with hepatic necrosis, with coma	ICD-10-CM	Diagnosis
K71.2	Toxic liver disease with acute hepatitis	ICD-10-CM	Diagnosis
K71.3	Toxic liver disease with chronic persistent hepatitis	ICD-10-CM	Diagnosis
K71.4	Toxic liver disease with chronic lobular hepatitis	ICD-10-CM	Diagnosis
K71.50	Toxic liver disease with chronic active hepatitis without ascites	ICD-10-CM	Diagnosis
K71.51	Toxic liver disease with chronic active hepatitis with ascites	ICD-10-CM	Diagnosis
K71.6	Toxic liver disease with hepatitis, not elsewhere classified	ICD-10-CM	Diagnosis
K71.7	Toxic liver disease with fibrosis and cirrhosis of liver	ICD-10-CM	Diagnosis
K71.8	Toxic liver disease with other disorders of liver	ICD-10-CM	Diagnosis
K71.9	Toxic liver disease, unspecified	ICD-10-CM	Diagnosis
K72.01	Acute and subacute hepatic failure with coma	ICD-10-CM	Diagnosis
K72.11	Chronic hepatic failure with coma	ICD-10-CM	Diagnosis
K72.90	Hepatic failure, unspecified without coma	ICD-10-CM	Diagnosis
K72.91	Hepatic failure, unspecified with coma	ICD-10-CM	Diagnosis
K73.0	Chronic persistent hepatitis, not elsewhere classified	ICD-10-CM	Diagnosis
K73.9	Chronic hepatitis, unspecified	ICD-10-CM	Diagnosis
K74.0	Hepatic fibrosis	ICD-10-CM	Diagnosis
K74.1	Hepatic sclerosis	ICD-10-CM	Diagnosis
K74.2	Hepatic fibrosis with hepatic sclerosis	ICD-10-CM	Diagnosis
K74.3	Primary biliary cirrhosis	ICD-10-CM	Diagnosis
K74.4	Secondary biliary cirrhosis	ICD-10-CM	Diagnosis
K74.5	Biliary cirrhosis, unspecified	ICD-10-CM	Diagnosis
K74.60	Unspecified cirrhosis of liver	ICD-10-CM	Diagnosis
K74.69	Other cirrhosis of liver	ICD-10-CM	Diagnosis
K75.2	Nonspecific reactive hepatitis	ICD-10-CM	Diagnosis
K75.3	Granulomatous hepatitis, not elsewhere classified	ICD-10-CM	Diagnosis
K75.4	Autoimmune hepatitis	ICD-10-CM	Diagnosis
K75.81	Nonalcoholic steatohepatitis (NASH)	ICD-10-CM	Diagnosis
K75.89	Other specified inflammatory liver diseases	ICD-10-CM	Diagnosis
K75.9	Inflammatory liver disease, unspecified	ICD-10-CM	Diagnosis
K76.0	Fatty (change of) liver, not elsewhere classified	ICD-10-CM	Diagnosis
K76.1	Chronic passive congestion of liver	ICD-10-CM	Diagnosis
K76.4	Peliosis hepatis	ICD-10-CM	Diagnosis
K76.5	Hepatic veno-occlusive disease	ICD-10-CM	Diagnosis
K76.7	Hepatorenal syndrome	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
K76.89	Other specified diseases of liver	ICD-10-CM	Diagnosis
K76.9	Liver disease, unspecified	ICD-10-CM	Diagnosis
K77	Liver disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
K80.30	Calculus of bile duct with cholangitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
K80.31	Calculus of bile duct with cholangitis, unspecified, with obstruction	ICD-10-CM	Diagnosis
K80.32	Calculus of bile duct with acute cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.33	Calculus of bile duct with acute cholangitis with obstruction	ICD-10-CM	Diagnosis
K80.34	Calculus of bile duct with chronic cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.35	Calculus of bile duct with chronic cholangitis with obstruction	ICD-10-CM	Diagnosis
K80.36	Calculus of bile duct with acute and chronic cholangitis without obstruction	ICD-10-CM	Diagnosis
K80.37	Calculus of bile duct with acute and chronic cholangitis with obstruction	ICD-10-CM	Diagnosis
K83.0	Cholangitis	ICD-10-CM	Diagnosis
R18.0	Malignant ascites	ICD-10-CM	Diagnosis
R18.8	Other ascites	ICD-10-CM	Diagnosis
Congenital Heart Disease			
648.5	Maternal congenital cardiovascular disorders complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
648.50	Maternal congenital cardiovascular disorders, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
648.51	Maternal congenital cardiovascular disorders, with delivery	ICD-9-CM	Diagnosis
648.52	Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
648.53	Maternal congenital cardiovascular disorders, antepartum	ICD-9-CM	Diagnosis
648.54	Maternal congenital cardiovascular disorders complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
745.0	Bulbus cordis anomalies and anomalies of cardiac septal closure, common truncus	ICD-9-CM	Diagnosis
745.1	Transposition of great vessels	ICD-9-CM	Diagnosis
745.10	Complete transposition of great vessels	ICD-9-CM	Diagnosis
745.11	Transposition of great vessels, double outlet right ventricle	ICD-9-CM	Diagnosis
745.12	Corrected transposition of great vessels	ICD-9-CM	Diagnosis
745.19	Other transposition of great vessels	ICD-9-CM	Diagnosis
745.2	Tetralogy of Fallot	ICD-9-CM	Diagnosis
745.3	Bulbus cordis anomalies and anomalies of cardiac septal closure, common ventricle	ICD-9-CM	Diagnosis
745.4	Ventricular septal defect	ICD-9-CM	Diagnosis
745.5	Ostium secundum type atrial septal defect	ICD-9-CM	Diagnosis
745.6	Endocardial cushion defects	ICD-9-CM	Diagnosis
745.60	Unspecified type congenital endocardial cushion defect	ICD-9-CM	Diagnosis
745.61	Ostium primum defect	ICD-9-CM	Diagnosis
745.69	Other congenital endocardial cushion defect	ICD-9-CM	Diagnosis
745.7	Cor biloculare	ICD-9-CM	Diagnosis
745.8	Other bulbus cordis anomalies and anomalies of cardiac septal closure	ICD-9-CM	Diagnosis
745.9	Unspecified congenital defect of septal closure	ICD-9-CM	Diagnosis
746.0	Congenital anomalies of pulmonary valve	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
746.00	Unspecified congenital pulmonary valve anomaly	ICD-9-CM	Diagnosis
746.01	Congenital atresia of pulmonary valve	ICD-9-CM	Diagnosis
746.02	Congenital stenosis of pulmonary valve	ICD-9-CM	Diagnosis
746.09	Other congenital anomalies of pulmonary valve	ICD-9-CM	Diagnosis
746.1	Congenital tricuspid atresia and stenosis	ICD-9-CM	Diagnosis
746.2	Ebstein's anomaly	ICD-9-CM	Diagnosis
746.3	Congenital stenosis of aortic valve	ICD-9-CM	Diagnosis
746.4	Congenital insufficiency of aortic valve	ICD-9-CM	Diagnosis
746.5	Congenital mitral stenosis	ICD-9-CM	Diagnosis
746.6	Congenital mitral insufficiency	ICD-9-CM	Diagnosis
746.7	Hypoplastic left heart syndrome	ICD-9-CM	Diagnosis
746.8	Other specified congenital anomaly of heart	ICD-9-CM	Diagnosis
746.81	Congenital subaortic stenosis	ICD-9-CM	Diagnosis
746.82	Cor triatriatum	ICD-9-CM	Diagnosis
746.83	Congenital infundibular pulmonic stenosis	ICD-9-CM	Diagnosis
746.84	Congenital obstructive anomalies of heart, not elsewhere classified	ICD-9-CM	Diagnosis
746.85	Congenital coronary artery anomaly	ICD-9-CM	Diagnosis
746.86	Congenital heart block	ICD-9-CM	Diagnosis
746.87	Congenital malposition of heart and cardiac apex	ICD-9-CM	Diagnosis
746.89	Other specified congenital anomaly of heart	ICD-9-CM	Diagnosis
746.9	Unspecified congenital anomaly of heart	ICD-9-CM	Diagnosis
747.0	Patent ductus arteriosus	ICD-9-CM	Diagnosis
747.1	Coarctation of aorta	ICD-9-CM	Diagnosis
747.10	Coarctation of aorta (preductal) (postductal)	ICD-9-CM	Diagnosis
747.11	Congenital interruption of aortic arch	ICD-9-CM	Diagnosis
747.2	Other congenital anomaly of aorta	ICD-9-CM	Diagnosis
747.20	Unspecified congenital anomaly of aorta	ICD-9-CM	Diagnosis
747.21	Congenital anomaly of aortic arch	ICD-9-CM	Diagnosis
747.22	Congenital atresia and stenosis of aorta	ICD-9-CM	Diagnosis
747.29	Other congenital anomaly of aorta	ICD-9-CM	Diagnosis
747.3	Anomalies of pulmonary artery	ICD-9-CM	Diagnosis
747.31	Pulmonary artery coarctation and atresia	ICD-9-CM	Diagnosis
747.32	Pulmonary arteriovenous malformation	ICD-9-CM	Diagnosis
747.39	Other anomalies of pulmonary artery and pulmonary circulation	ICD-9-CM	Diagnosis
747.4	Congenital anomalies of great veins	ICD-9-CM	Diagnosis
747.40	Congenital anomaly of great veins unspecified	ICD-9-CM	Diagnosis
747.41	Total congenital anomalous pulmonary venous connection	ICD-9-CM	Diagnosis
747.42	Partial congenital anomalous pulmonary venous connection	ICD-9-CM	Diagnosis
747.49	Other congenital anomalies of great veins	ICD-9-CM	Diagnosis
I27.83	Eisenmenger's syndrome	ICD-10-CM	Diagnosis
Q20.0	Common arterial trunk	ICD-10-CM	Diagnosis
Q20.1	Double outlet right ventricle	ICD-10-CM	Diagnosis
Q20.2	Double outlet left ventricle	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
Q20.3	Discordant ventriculoarterial connection	ICD-10-CM	Diagnosis
Q20.4	Double inlet ventricle	ICD-10-CM	Diagnosis
Q20.5	Discordant atrioventricular connection	ICD-10-CM	Diagnosis
Q20.6	Isomerism of atrial appendages	ICD-10-CM	Diagnosis
Q20.8	Other congenital malformations of cardiac chambers and connections	ICD-10-CM	Diagnosis
Q20.9	Congenital malformation of cardiac chambers and connections, unspecified	ICD-10-CM	Diagnosis
Q21.0	Ventricular septal defect	ICD-10-CM	Diagnosis
Q21.1	Atrial septal defect	ICD-10-CM	Diagnosis
Q21.2	Atrioventricular septal defect	ICD-10-CM	Diagnosis
Q21.3	Tetralogy of Fallot	ICD-10-CM	Diagnosis
Q21.4	Aortopulmonary septal defect	ICD-10-CM	Diagnosis
Q21.8	Other congenital malformations of cardiac septa	ICD-10-CM	Diagnosis
Q21.9	Congenital malformation of cardiac septum, unspecified	ICD-10-CM	Diagnosis
Q22.0	Pulmonary valve atresia	ICD-10-CM	Diagnosis
Q22.1	Congenital pulmonary valve stenosis	ICD-10-CM	Diagnosis
Q22.2	Congenital pulmonary valve insufficiency	ICD-10-CM	Diagnosis
Q22.3	Other congenital malformations of pulmonary valve	ICD-10-CM	Diagnosis
Q22.4	Congenital tricuspid stenosis	ICD-10-CM	Diagnosis
Q22.5	Ebstein's anomaly	ICD-10-CM	Diagnosis
Q22.6	Hypoplastic right heart syndrome	ICD-10-CM	Diagnosis
Q22.8	Other congenital malformations of tricuspid valve	ICD-10-CM	Diagnosis
Q22.9	Congenital malformation of tricuspid valve, unspecified	ICD-10-CM	Diagnosis
Q23.0	Congenital stenosis of aortic valve	ICD-10-CM	Diagnosis
Q23.1	Congenital insufficiency of aortic valve	ICD-10-CM	Diagnosis
Q23.2	Congenital mitral stenosis	ICD-10-CM	Diagnosis
Q23.3	Congenital mitral insufficiency	ICD-10-CM	Diagnosis
Q23.4	Hypoplastic left heart syndrome	ICD-10-CM	Diagnosis
Q23.8	Other congenital malformations of aortic and mitral valves	ICD-10-CM	Diagnosis
Q23.9	Congenital malformation of aortic and mitral valves, unspecified	ICD-10-CM	Diagnosis
Q24.0	Dextrocardia	ICD-10-CM	Diagnosis
Q24.1	Levocardia	ICD-10-CM	Diagnosis
Q24.2	Cor triatriatum	ICD-10-CM	Diagnosis
Q24.3	Pulmonary infundibular stenosis	ICD-10-CM	Diagnosis
Q24.4	Congenital subaortic stenosis	ICD-10-CM	Diagnosis
Q24.5	Malformation of coronary vessels	ICD-10-CM	Diagnosis
Q24.6	Congenital heart block	ICD-10-CM	Diagnosis
Q24.8	Other specified congenital malformations of heart	ICD-10-CM	Diagnosis
Q24.9	Congenital malformation of heart, unspecified	ICD-10-CM	Diagnosis
Q25.0	Patent ductus arteriosus	ICD-10-CM	Diagnosis
Q25.1	Coarctation of aorta	ICD-10-CM	Diagnosis
Q25.21	Interruption of aortic arch	ICD-10-CM	Diagnosis
Q25.29	Other atresia of aorta	ICD-10-CM	Diagnosis
Q25.3	Supravalvular aortic stenosis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
Q25.40	Congenital malformation of aorta unspecified	ICD-10-CM	Diagnosis
Q25.41	Absence and aplasia of aorta	ICD-10-CM	Diagnosis
Q25.42	Hypoplasia of aorta	ICD-10-CM	Diagnosis
Q25.43	Congenital aneurysm of aorta	ICD-10-CM	Diagnosis
Q25.44	Congenital dilation of aorta	ICD-10-CM	Diagnosis
Q25.45	Double aortic arch	ICD-10-CM	Diagnosis
Q25.46	Tortuous aortic arch	ICD-10-CM	Diagnosis
Q25.47	Right aortic arch	ICD-10-CM	Diagnosis
Q25.48	Anomalous origin of subclavian artery	ICD-10-CM	Diagnosis
Q25.49	Other congenital malformations of aorta	ICD-10-CM	Diagnosis
Q25.5	Atresia of pulmonary artery	ICD-10-CM	Diagnosis
Q25.6	Stenosis of pulmonary artery	ICD-10-CM	Diagnosis
Q25.71	Coarctation of pulmonary artery	ICD-10-CM	Diagnosis
Q25.72	Congenital pulmonary arteriovenous malformation	ICD-10-CM	Diagnosis
Q25.79	Other congenital malformations of pulmonary artery	ICD-10-CM	Diagnosis
Q25.8	Other congenital malformations of other great arteries	ICD-10-CM	Diagnosis
Q25.9	Congenital malformation of great arteries, unspecified	ICD-10-CM	Diagnosis
Q26.0	Congenital stenosis of vena cava	ICD-10-CM	Diagnosis
Q26.1	Persistent left superior vena cava	ICD-10-CM	Diagnosis
Q26.2	Total anomalous pulmonary venous connection	ICD-10-CM	Diagnosis
Q26.3	Partial anomalous pulmonary venous connection	ICD-10-CM	Diagnosis
Q26.4	Anomalous pulmonary venous connection, unspecified	ICD-10-CM	Diagnosis
Q26.8	Other congenital malformations of great veins	ICD-10-CM	Diagnosis
Q26.9	Congenital malformation of great vein, unspecified	ICD-10-CM	Diagnosis
Cystic Fibrosis			
277.0	Cystic fibrosis	ICD-9-CM	Diagnosis
277.00	Cystic fibrosis without mention of meconium ileus	ICD-9-CM	Diagnosis
277.01	Cystic fibrosis with meconium ileus	ICD-9-CM	Diagnosis
277.02	Cystic fibrosis with pulmonary manifestations	ICD-9-CM	Diagnosis
277.03	Cystic fibrosis with gastrointestinal manifestations	ICD-9-CM	Diagnosis
277.09	Cystic fibrosis with other manifestations	ICD-9-CM	Diagnosis
E84.0	Cystic fibrosis with pulmonary manifestations	ICD-10-CM	Diagnosis
E84.11	Meconium ileus in cystic fibrosis	ICD-10-CM	Diagnosis
E84.19	Cystic fibrosis with other intestinal manifestations	ICD-10-CM	Diagnosis
E84.8	Cystic fibrosis with other manifestations	ICD-10-CM	Diagnosis
E84.9	Cystic fibrosis, unspecified	ICD-10-CM	Diagnosis
Drug Abuse			
304.0	Opioid type dependence	ICD-9-CM	Diagnosis
304.00	Opioid type dependence, unspecified	ICD-9-CM	Diagnosis
304.01	Opioid type dependence, continuous	ICD-9-CM	Diagnosis
304.02	Opioid type dependence, episodic	ICD-9-CM	Diagnosis
304.03	Opioid type dependence, in remission	ICD-9-CM	Diagnosis
304.1	Sedative, hypnotic or anxiolytic dependence	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	ICD-9-CM	Diagnosis
304.11	Sedative, hypnotic or anxiolytic dependence, continuous	ICD-9-CM	Diagnosis
304.12	Sedative, hypnotic or anxiolytic dependence, episodic	ICD-9-CM	Diagnosis
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	ICD-9-CM	Diagnosis
304.2	Cocaine dependence	ICD-9-CM	Diagnosis
304.20	Cocaine dependence, unspecified	ICD-9-CM	Diagnosis
304.21	Cocaine dependence, continuous	ICD-9-CM	Diagnosis
304.22	Cocaine dependence, episodic	ICD-9-CM	Diagnosis
304.23	Cocaine dependence, in remission	ICD-9-CM	Diagnosis
304.3	Cannabis dependence	ICD-9-CM	Diagnosis
304.30	Cannabis dependence, unspecified	ICD-9-CM	Diagnosis
304.31	Cannabis dependence, continuous	ICD-9-CM	Diagnosis
304.32	Cannabis dependence, episodic	ICD-9-CM	Diagnosis
304.33	Cannabis dependence, in remission	ICD-9-CM	Diagnosis
304.4	Amphetamine and other psychostimulant dependence	ICD-9-CM	Diagnosis
304.40	Amphetamine and other psychostimulant dependence, unspecified	ICD-9-CM	Diagnosis
304.41	Amphetamine and other psychostimulant dependence, continuous	ICD-9-CM	Diagnosis
304.42	Amphetamine and other psychostimulant dependence, episodic	ICD-9-CM	Diagnosis
304.43	Amphetamine and other psychostimulant dependence, in remission	ICD-9-CM	Diagnosis
304.5	Hallucinogen dependence	ICD-9-CM	Diagnosis
304.50	Hallucinogen dependence, unspecified	ICD-9-CM	Diagnosis
304.51	Hallucinogen dependence, continuous	ICD-9-CM	Diagnosis
304.52	Hallucinogen dependence, episodic	ICD-9-CM	Diagnosis
304.53	Hallucinogen dependence, in remission	ICD-9-CM	Diagnosis
304.6	Other specified drug dependence	ICD-9-CM	Diagnosis
304.60	Other specified drug dependence, unspecified	ICD-9-CM	Diagnosis
304.61	Other specified drug dependence, continuous	ICD-9-CM	Diagnosis
304.62	Other specified drug dependence, episodic	ICD-9-CM	Diagnosis
304.63	Other specified drug dependence, in remission	ICD-9-CM	Diagnosis
304.7	Combinations of opioid type drug with any other drug dependence	ICD-9-CM	Diagnosis
304.70	Combinations of opioid type drug with any other drug dependence, unspecified	ICD-9-CM	Diagnosis
304.71	Combinations of opioid type drug with any other drug dependence, continuous	ICD-9-CM	Diagnosis
304.72	Combinations of opioid type drug with any other drug dependence, episodic	ICD-9-CM	Diagnosis
304.73	Combinations of opioid type drug with any other drug dependence, in remission	ICD-9-CM	Diagnosis
304.8	Combinations of drug dependence excluding opioid type drug	ICD-9-CM	Diagnosis
304.80	Combinations of drug dependence excluding opioid type drug, unspecified	ICD-9-CM	Diagnosis
304.81	Combinations of drug dependence excluding opioid type drug, continuous	ICD-9-CM	Diagnosis
304.82	Combinations of drug dependence excluding opioid type drug, episodic	ICD-9-CM	Diagnosis
304.83	Combinations of drug dependence excluding opioid type drug, in remission	ICD-9-CM	Diagnosis
304.9	Unspecified drug dependence	ICD-9-CM	Diagnosis
304.90	Unspecified drug dependence, unspecified	ICD-9-CM	Diagnosis
304.91	Unspecified drug dependence, continuous	ICD-9-CM	Diagnosis
304.92	Unspecified drug dependence, episodic	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
304.93	Unspecified drug dependence, in remission	ICD-9-CM	Diagnosis
305.2	Nondependent cannabis abuse	ICD-9-CM	Diagnosis
305.20	Nondependent cannabis abuse, unspecified	ICD-9-CM	Diagnosis
305.21	Nondependent cannabis abuse, continuous	ICD-9-CM	Diagnosis
305.22	Nondependent cannabis abuse, episodic	ICD-9-CM	Diagnosis
305.23	Nondependent cannabis abuse, in remission	ICD-9-CM	Diagnosis
305.3	Nondependent hallucinogen abuse	ICD-9-CM	Diagnosis
305.30	Nondependent hallucinogen abuse, unspecified	ICD-9-CM	Diagnosis
305.31	Nondependent hallucinogen abuse, continuous	ICD-9-CM	Diagnosis
305.32	Nondependent hallucinogen abuse, episodic	ICD-9-CM	Diagnosis
305.33	Nondependent hallucinogen abuse, in remission	ICD-9-CM	Diagnosis
305.4	Nondependent sedative, hypnotic or anxiolytic abuse	ICD-9-CM	Diagnosis
305.40	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified	ICD-9-CM	Diagnosis
305.41	Nondependent sedative hypnotic or anxiolytic abuse, continuous	ICD-9-CM	Diagnosis
305.42	Nondependent sedative, hypnotic or anxiolytic abuse, episodic	ICD-9-CM	Diagnosis
305.43	Nondependent sedative, hypnotic or anxiolytic abuse, in remission	ICD-9-CM	Diagnosis
305.5	Nondependent opioid abuse	ICD-9-CM	Diagnosis
305.50	Nondependent opioid abuse, unspecified	ICD-9-CM	Diagnosis
305.51	Nondependent opioid abuse, continuous	ICD-9-CM	Diagnosis
305.52	Nondependent opioid abuse, episodic	ICD-9-CM	Diagnosis
305.53	Nondependent opioid abuse, in remission	ICD-9-CM	Diagnosis
305.6	Nondependent cocaine abuse	ICD-9-CM	Diagnosis
305.60	Nondependent cocaine abuse, unspecified	ICD-9-CM	Diagnosis
305.61	Nondependent cocaine abuse, continuous	ICD-9-CM	Diagnosis
305.62	Nondependent cocaine abuse, episodic	ICD-9-CM	Diagnosis
305.63	Nondependent cocaine abuse, in remission	ICD-9-CM	Diagnosis
305.7	Nondependent amphetamine or related acting sympathomimetic abuse	ICD-9-CM	Diagnosis
305.70	Nondependent amphetamine or related acting sympathomimetic abuse, unspecified	ICD-9-CM	Diagnosis
305.71	Nondependent amphetamine or related acting sympathomimetic abuse, continuous	ICD-9-CM	Diagnosis
305.72	Nondependent amphetamine or related acting sympathomimetic abuse, episodic	ICD-9-CM	Diagnosis
305.73	Nondependent amphetamine or related acting sympathomimetic abuse, in remission	ICD-9-CM	Diagnosis
305.8	Nondependent antidepressant type abuse	ICD-9-CM	Diagnosis
305.80	Nondependent antidepressant type abuse, unspecified	ICD-9-CM	Diagnosis
305.81	Nondependent antidepressant type abuse, continuous	ICD-9-CM	Diagnosis
305.82	Nondependent antidepressant type abuse, episodic	ICD-9-CM	Diagnosis
305.83	Nondependent antidepressant type abuse, in remission	ICD-9-CM	Diagnosis
305.9	Other, mixed, or unspecified nondependent drug abuse	ICD-9-CM	Diagnosis
305.90	Other, mixed, or unspecified nondependent drug abuse, unspecified	ICD-9-CM	Diagnosis
305.91	Other, mixed, or unspecified nondependent drug abuse, continuous	ICD-9-CM	Diagnosis
305.92	Other, mixed, or unspecified nondependent drug abuse, episodic	ICD-9-CM	Diagnosis
305.93	Other, mixed, or unspecified nondependent drug abuse, in remission	ICD-9-CM	Diagnosis
648.3	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
648.30	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
648.31	Maternal drug dependence, with delivery	ICD-9-CM	Diagnosis
648.32	Maternal drug dependence, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
648.33	Maternal drug dependence, antepartum	ICD-9-CM	Diagnosis
648.34	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
F11.10	Opioid abuse, uncomplicated	ICD-10-CM	Diagnosis
F11.11	Opioid abuse, in remission	ICD-10-CM	Diagnosis
F11.120	Opioid abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F11.121	Opioid abuse with intoxication delirium	ICD-10-CM	Diagnosis
F11.122	Opioid abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F11.129	Opioid abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F11.14	Opioid abuse with opioid-induced mood disorder	ICD-10-CM	Diagnosis
F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F11.151	Opioid abuse with opioid-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F11.159	Opioid abuse with opioid-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F11.181	Opioid abuse with opioid-induced sexual dysfunction	ICD-10-CM	Diagnosis
F11.182	Opioid abuse with opioid-induced sleep disorder	ICD-10-CM	Diagnosis
F11.188	Opioid abuse with other opioid-induced disorder	ICD-10-CM	Diagnosis
F11.19	Opioid abuse with unspecified opioid-induced disorder	ICD-10-CM	Diagnosis
F11.20	Opioid dependence, uncomplicated	ICD-10-CM	Diagnosis
F11.21	Opioid dependence, in remission	ICD-10-CM	Diagnosis
F11.220	Opioid dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F11.221	Opioid dependence with intoxication delirium	ICD-10-CM	Diagnosis
F11.222	Opioid dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F11.229	Opioid dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F11.23	Opioid dependence with withdrawal	ICD-10-CM	Diagnosis
F11.24	Opioid dependence with opioid-induced mood disorder	ICD-10-CM	Diagnosis
F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F11.251	Opioid dependence with opioid-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F11.281	Opioid dependence with opioid-induced sexual dysfunction	ICD-10-CM	Diagnosis
F11.282	Opioid dependence with opioid-induced sleep disorder	ICD-10-CM	Diagnosis
F11.288	Opioid dependence with other opioid-induced disorder	ICD-10-CM	Diagnosis
F11.29	Opioid dependence with unspecified opioid-induced disorder	ICD-10-CM	Diagnosis
F12.1	Cannabis abuse	ICD-10-CM	Diagnosis
F12.10	Cannabis abuse, uncomplicated	ICD-10-CM	Diagnosis
F12.11	Cannabis abuse, in remission	ICD-10-CM	Diagnosis
F12.12	Cannabis abuse with intoxication	ICD-10-CM	Diagnosis
F12.120	Cannabis abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.121	Cannabis abuse with intoxication delirium	ICD-10-CM	Diagnosis
F12.122	Cannabis abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F12.129	Cannabis abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.15	Cannabis abuse with psychotic disorder	ICD-10-CM	Diagnosis
F12.150	Cannabis abuse with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.151	Cannabis abuse with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.159	Cannabis abuse with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.18	Cannabis abuse with cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.180	Cannabis abuse with cannabis-induced anxiety disorder	ICD-10-CM	Diagnosis
F12.188	Cannabis abuse with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.19	Cannabis abuse with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.2	Cannabis dependence	ICD-10-CM	Diagnosis
F12.20	Cannabis dependence, uncomplicated	ICD-10-CM	Diagnosis
F12.21	Cannabis dependence, in remission	ICD-10-CM	Diagnosis
F12.220	Cannabis dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.221	Cannabis dependence with intoxication delirium	ICD-10-CM	Diagnosis
F12.222	Cannabis dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F12.229	Cannabis dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.23	Cannabis dependence with withdrawal	ICD-10-CM	Diagnosis
F12.25	Cannabis dependence with psychotic disorder	ICD-10-CM	Diagnosis
F12.250	Cannabis dependence with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.251	Cannabis dependence with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.259	Cannabis dependence with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.28	Cannabis dependence with cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.280	Cannabis dependence with cannabis-induced anxiety disorder	ICD-10-CM	Diagnosis
F12.288	Cannabis dependence with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.29	Cannabis dependence with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.9	Cannabis use, unspecified	ICD-10-CM	Diagnosis
F12.90	Cannabis use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F12.92	Cannabis use, unspecified with intoxication	ICD-10-CM	Diagnosis
F12.920	Cannabis use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.921	Cannabis use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F12.929	Cannabis use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.93	Cannabis use, unspecified with withdrawal	ICD-10-CM	Diagnosis
F12.95	Cannabis use, unspecified with psychotic disorder	ICD-10-CM	Diagnosis
F12.950	Cannabis use, unspecified with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.951	Cannabis use, unspecified with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.959	Cannabis use, unspecified with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.98	Cannabis use, unspecified with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.980	Cannabis use, unspecified with anxiety disorder	ICD-10-CM	Diagnosis
F12.988	Cannabis use, unspecified with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated	ICD-10-CM	Diagnosis
F13.11	Sedative, hypnotic or anxiolytic abuse, in remission	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F13.121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium	ICD-10-CM	Diagnosis
F13.129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F13.14	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder	ICD-10-CM	Diagnosis
F13.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F13.151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F13.159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F13.180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder	ICD-10-CM	Diagnosis
F13.181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction	ICD-10-CM	Diagnosis
F13.182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder	ICD-10-CM	Diagnosis
F13.188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.19	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.20	Sedative, hypnotic or anxiolytic dependence, uncomplicated	ICD-10-CM	Diagnosis
F13.21	Sedative, hypnotic or anxiolytic dependence, in remission	ICD-10-CM	Diagnosis
F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F13.221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium	ICD-10-CM	Diagnosis
F13.229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F13.230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F13.231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium	ICD-10-CM	Diagnosis
F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F13.239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified	ICD-10-CM	Diagnosis
F13.24	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder	ICD-10-CM	Diagnosis
F13.250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F13.251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F13.259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F13.26	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F13.27	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F13.280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder	ICD-10-CM	Diagnosis
F13.281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction	ICD-10-CM	Diagnosis
F13.282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder	ICD-10-CM	Diagnosis
F13.288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.29	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F14.10	Cocaine abuse, uncomplicated	ICD-10-CM	Diagnosis
F14.11	Cocaine abuse, in remission	ICD-10-CM	Diagnosis
F14.120	Cocaine abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.121	Cocaine abuse with intoxication with delirium	ICD-10-CM	Diagnosis
F14.122	Cocaine abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.129	Cocaine abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.14	Cocaine abuse with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.150	Cocaine abuse with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.180	Cocaine abuse with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis
F14.181	Cocaine abuse with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.182	Cocaine abuse with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.188	Cocaine abuse with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.19	Cocaine abuse with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.20	Cocaine dependence, uncomplicated	ICD-10-CM	Diagnosis
F14.21	Cocaine dependence, in remission	ICD-10-CM	Diagnosis
F14.220	Cocaine dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.221	Cocaine dependence with intoxication delirium	ICD-10-CM	Diagnosis
F14.222	Cocaine dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.229	Cocaine dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.23	Cocaine dependence with withdrawal	ICD-10-CM	Diagnosis
F14.24	Cocaine dependence with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.250	Cocaine dependence with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.280	Cocaine dependence with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis
F14.281	Cocaine dependence with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.282	Cocaine dependence with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.288	Cocaine dependence with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.29	Cocaine dependence with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.9	Cocaine use, unspecified	ICD-10-CM	Diagnosis
F14.90	Cocaine use, unspecified, uncomplicated	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F14.92	Cocaine use, unspecified with intoxication	ICD-10-CM	Diagnosis
F14.920	Cocaine use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.921	Cocaine use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F14.922	Cocaine use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.929	Cocaine use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.94	Cocaine use, unspecified with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.95	Cocaine use, unspecified with cocaine-induced psychotic disorder	ICD-10-CM	Diagnosis
F14.950	Cocaine use, unspecified with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.951	Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.959	Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.98	Cocaine use, unspecified with other specified cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.980	Cocaine use, unspecified with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis
F14.981	Cocaine use, unspecified with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.982	Cocaine use, unspecified with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.988	Cocaine use, unspecified with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.99	Cocaine use, unspecified with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F15.10	Other stimulant abuse, uncomplicated	ICD-10-CM	Diagnosis
F15.11	Other stimulant abuse, in remission	ICD-10-CM	Diagnosis
F15.120	Other stimulant abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.121	Other stimulant abuse with intoxication delirium	ICD-10-CM	Diagnosis
F15.122	Other stimulant abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.129	Other stimulant abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.14	Other stimulant abuse with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F15.180	Other stimulant abuse with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis
F15.181	Other stimulant abuse with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.182	Other stimulant abuse with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.188	Other stimulant abuse with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.19	Other stimulant abuse with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.20	Other stimulant dependence, uncomplicated	ICD-10-CM	Diagnosis
F15.21	Other stimulant dependence, in remission	ICD-10-CM	Diagnosis
F15.220	Other stimulant dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.221	Other stimulant dependence with intoxication delirium	ICD-10-CM	Diagnosis
F15.222	Other stimulant dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.229	Other stimulant dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.23	Other stimulant dependence with withdrawal	ICD-10-CM	Diagnosis
F15.24	Other stimulant dependence with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F15.280	Other stimulant dependence with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.282	Other stimulant dependence with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.288	Other stimulant dependence with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.29	Other stimulant dependence with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.9	Other stimulant use, unspecified	ICD-10-CM	Diagnosis
F15.90	Other stimulant use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F15.92	Other stimulant use, unspecified with intoxication	ICD-10-CM	Diagnosis
F15.920	Other stimulant use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.921	Other stimulant use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F15.922	Other stimulant use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.929	Other stimulant use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.93	Other stimulant use, unspecified with withdrawal	ICD-10-CM	Diagnosis
F15.94	Other stimulant use, unspecified with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.95	Other stimulant use, unspecified with stimulant-induced psychotic disorder	ICD-10-CM	Diagnosis
F15.950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.951	Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.959	Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F15.98	Other stimulant use, unspecified with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.980	Other stimulant use, unspecified with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis
F15.981	Other stimulant use, unspecified with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.982	Other stimulant use, unspecified with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.988	Other stimulant use, unspecified with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.99	Other stimulant use, unspecified with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F16.10	Hallucinogen abuse, uncomplicated	ICD-10-CM	Diagnosis
F16.11	Hallucinogen abuse, in remission	ICD-10-CM	Diagnosis
F16.120	Hallucinogen abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.121	Hallucinogen abuse with intoxication with delirium	ICD-10-CM	Diagnosis
F16.122	Hallucinogen abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F16.129	Hallucinogen abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.14	Hallucinogen abuse with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.180	Hallucinogen abuse with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.188	Hallucinogen abuse with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.19	Hallucinogen abuse with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.20	Hallucinogen dependence, uncomplicated	ICD-10-CM	Diagnosis
F16.21	Hallucinogen dependence, in remission	ICD-10-CM	Diagnosis
F16.220	Hallucinogen dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.221	Hallucinogen dependence with intoxication with delirium	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
F16.229	Hallucinogen dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.24	Hallucinogen dependence with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.280	Hallucinogen dependence with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.288	Hallucinogen dependence with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.9	Hallucinogen use, unspecified	ICD-10-CM	Diagnosis
F16.90	Hallucinogen use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F16.92	Hallucinogen use, unspecified with intoxication	ICD-10-CM	Diagnosis
F16.920	Hallucinogen use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.921	Hallucinogen use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F16.929	Hallucinogen use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.94	Hallucinogen use, unspecified with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.95	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder	ICD-10-CM	Diagnosis
F16.950	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.951	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.959	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.98	Hallucinogen use, unspecified with other specified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.980	Hallucinogen use, unspecified with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.983	Hallucinogen use, unspecified with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.988	Hallucinogen use, unspecified with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.99	Hallucinogen use, unspecified with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F18.10	Inhalant abuse, uncomplicated	ICD-10-CM	Diagnosis
F18.11	Inhalant abuse, in remission	ICD-10-CM	Diagnosis
F18.120	Inhalant abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F18.121	Inhalant abuse with intoxication delirium	ICD-10-CM	Diagnosis
F18.129	Inhalant abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.14	Inhalant abuse with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.150	Inhalant abuse with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.17	Inhalant abuse with inhalant-induced dementia	ICD-10-CM	Diagnosis
F18.180	Inhalant abuse with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.188	Inhalant abuse with other inhalant-induced disorder	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F18.19	Inhalant abuse with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.20	Inhalant dependence, uncomplicated	ICD-10-CM	Diagnosis
F18.21	Inhalant dependence, in remission	ICD-10-CM	Diagnosis
F18.220	Inhalant dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F18.221	Inhalant dependence with intoxication delirium	ICD-10-CM	Diagnosis
F18.229	Inhalant dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.24	Inhalant dependence with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.250	Inhalant dependence with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.27	Inhalant dependence with inhalant-induced dementia	ICD-10-CM	Diagnosis
F18.280	Inhalant dependence with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.288	Inhalant dependence with other inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.29	Inhalant dependence with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.9	Inhalant use, unspecified	ICD-10-CM	Diagnosis
F18.90	Inhalant use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F18.92	Inhalant use, unspecified with intoxication	ICD-10-CM	Diagnosis
F18.920	Inhalant use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F18.921	Inhalant use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F18.929	Inhalant use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.94	Inhalant use, unspecified with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.95	Inhalant use, unspecified with inhalant-induced psychotic disorder	ICD-10-CM	Diagnosis
F18.950	Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.951	Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.97	Inhalant use, unspecified with inhalant-induced persisting dementia	ICD-10-CM	Diagnosis
F18.98	Inhalant use, unspecified with other inhalant-induced disorders	ICD-10-CM	Diagnosis
F18.980	Inhalant use, unspecified with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.988	Inhalant use, unspecified with other inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.99	Inhalant use, unspecified with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F19.10	Other psychoactive substance abuse, uncomplicated	ICD-10-CM	Diagnosis
F19.11	Other psychoactive substance abuse, in remission	ICD-10-CM	Diagnosis
F19.120	Other psychoactive substance abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F19.121	Other psychoactive substance abuse with intoxication delirium	ICD-10-CM	Diagnosis
F19.122	Other psychoactive substance abuse with intoxication with perceptual disturbances	ICD-10-CM	Diagnosis
F19.129	Other psychoactive substance abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.14	Other psychoactive substance abuse with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
F19.159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.16	Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F19.17	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis
F19.181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis
F19.182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.188	Other psychoactive substance abuse with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.19	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.20	Other psychoactive substance dependence, uncomplicated	ICD-10-CM	Diagnosis
F19.21	Other psychoactive substance dependence, in remission	ICD-10-CM	Diagnosis
F19.220	Other psychoactive substance dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F19.221	Other psychoactive substance dependence with intoxication delirium	ICD-10-CM	Diagnosis
F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F19.229	Other psychoactive substance dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F19.231	Other psychoactive substance dependence with withdrawal delirium	ICD-10-CM	Diagnosis
F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F19.239	Other psychoactive substance dependence with withdrawal, unspecified	ICD-10-CM	Diagnosis
F19.24	Other psychoactive substance dependence with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F19.259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.26	Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F19.27	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
F19.281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis
F19.282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.288	Other psychoactive substance dependence with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.9	Other psychoactive substance use, unspecified	ICD-10-CM	Diagnosis
F19.90	Other psychoactive substance use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F19.92	Other psychoactive substance use, unspecified with intoxication	ICD-10-CM	Diagnosis
F19.920	Other psychoactive substance use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F19.921	Other psychoactive substance use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F19.922	Other psychoactive substance use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F19.929	Other psychoactive substance use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.93	Other psychoactive substance use, unspecified with withdrawal	ICD-10-CM	Diagnosis
F19.930	Other psychoactive substance use, unspecified with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F19.931	Other psychoactive substance use, unspecified with withdrawal delirium	ICD-10-CM	Diagnosis
F19.932	Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F19.939	Other psychoactive substance use, unspecified with withdrawal, unspecified	ICD-10-CM	Diagnosis
F19.94	Other psychoactive substance use, unspecified with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.95	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder	ICD-10-CM	Diagnosis
F19.950	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.951	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F19.959	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.96	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F19.97	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.98	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorders	ICD-10-CM	Diagnosis
F19.980	Other psychoactive substance use, unspecified with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis
F19.981	Other psychoactive substance use, unspecified with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F19.982	Other psychoactive substance use, unspecified with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.988	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.99	Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F55.0	Abuse of antacids	ICD-10-CM	Diagnosis
F55.1	Abuse of herbal or folk remedies	ICD-10-CM	Diagnosis
F55.2	Abuse of laxatives	ICD-10-CM	Diagnosis
F55.3	Abuse of steroids or hormones	ICD-10-CM	Diagnosis
F55.4	Abuse of vitamins	ICD-10-CM	Diagnosis
F55.8	Abuse of other non-psychoactive substances	ICD-10-CM	Diagnosis
O99.320	Drug use complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O99.321	Drug use complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O99.322	Drug use complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O99.323	Drug use complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O99.324	Drug use complicating childbirth	ICD-10-CM	Diagnosis
O99.325	Drug use complicating the puerperium	ICD-10-CM	Diagnosis
Epilepsy/Seizures			
345	Epilepsy and recurrent seizures	ICD-9-CM	Diagnosis
345.0	Generalized nonconvulsive epilepsy	ICD-9-CM	Diagnosis
345.00	Generalized nonconvulsive epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.01	Generalized nonconvulsive epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
345.1	Generalized convulsive epilepsy	ICD-9-CM	Diagnosis
345.10	Generalized convulsive epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.11	Generalized convulsive epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
345.2	Epileptic petit mal status	ICD-9-CM	Diagnosis
345.3	Epileptic grand mal status	ICD-9-CM	Diagnosis
345.4	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures	ICD-9-CM	Diagnosis
345.40	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.41	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.5	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures	ICD-9-CM	Diagnosis
345.50	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.51	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.6	Infantile spasms	ICD-9-CM	Diagnosis
345.60	Infantile spasms without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.61	Infantile spasms with intractable epilepsy	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
345.7	Epilepsia partialis continua	ICD-9-CM	Diagnosis
345.70	Epilepsia partialis continua without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.71	Epilepsia partialis continua with intractable epilepsy	ICD-9-CM	Diagnosis
345.8	Other forms of epilepsy and recurrent seizures	ICD-9-CM	Diagnosis
345.80	Other forms of epilepsy and recurrent seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.81	Other forms of epilepsy and recurrent seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.9	Unspecified epilepsy	ICD-9-CM	Diagnosis
345.90	Unspecified epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.91	Unspecified epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
649.40	Epilepsy complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	ICD-9-CM	Diagnosis
649.41	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
649.42	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
649.43	Epilepsy complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	ICD-9-CM	Diagnosis
649.44	Epilepsy complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
G40.001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.109	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.111	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.119	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.201	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
G40.301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.309	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.311	Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.501	Epileptic seizures related to external causes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.509	Epileptic seizures related to external causes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.801	Other epilepsy, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.802	Other epilepsy, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.803	Other epilepsy, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.804	Other epilepsy, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.811	Lennox-Gastaut syndrome, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.812	Lennox-Gastaut syndrome, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.813	Lennox-Gastaut syndrome, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.814	Lennox-Gastaut syndrome, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.821	Epileptic spasms, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.822	Epileptic spasms, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.823	Epileptic spasms, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.824	Epileptic spasms, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.89	Other seizures	ICD-10-CM	Diagnosis
G40.901	Epilepsy, unspecified, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.909	Epilepsy, unspecified, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.911	Epilepsy, unspecified, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.919	Epilepsy, unspecified, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.A01	Absence epileptic syndrome, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.A09	Absence epileptic syndrome, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.A11	Absence epileptic syndrome, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.A19	Absence epileptic syndrome, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
HIV			
042	Human immunodeficiency virus [HIV]	ICD-09-CM	Diagnosis
V08	Asymptomatic human immunodeficiency virus (HIV) infection status	ICD-09-CM	Diagnosis
B20	Human immunodeficiency virus [HIV] disease	ICD-10-CM	Diagnosis
Z21	Asymptomatic human immunodeficiency virus [HIV] infection status	ICD-10-CM	Diagnosis
Inflammatory Bowel Disease			
555	Regional enteritis	ICD-09-CM	Diagnosis
555.0	Regional enteritis of small intestine	ICD-09-CM	Diagnosis
555.1	Regional enteritis of large intestine	ICD-09-CM	Diagnosis
555.2	Regional enteritis of small intestine with large intestine	ICD-09-CM	Diagnosis
555.9	Regional enteritis of unspecified site	ICD-09-CM	Diagnosis
556	Ulcerative colitis	ICD-09-CM	Diagnosis
556.0	Ulcerative (chronic) enterocolitis	ICD-09-CM	Diagnosis
556.1	Ulcerative (chronic) ileocolitis	ICD-09-CM	Diagnosis
556.2	Ulcerative (chronic) proctitis	ICD-09-CM	Diagnosis
556.3	Ulcerative (chronic) proctosigmoiditis	ICD-09-CM	Diagnosis
556.4	Pseudopolyposis of colon	ICD-09-CM	Diagnosis
556.5	Left sided ulcerative (chronic) colitis	ICD-09-CM	Diagnosis
556.6	Universal ulcerative (chronic) colitis	ICD-09-CM	Diagnosis
556.8	Other ulcerative colitis	ICD-09-CM	Diagnosis
556.9	Unspecified ulcerative colitis	ICD-09-CM	Diagnosis
K50	Crohn's disease [regional enteritis]	ICD-10-CM	Diagnosis
K50.0	Crohn's disease of small intestine	ICD-10-CM	Diagnosis
K50.00	Crohn's disease of small intestine without complications	ICD-10-CM	Diagnosis
K50.01	Crohn's disease of small intestine with complications	ICD-10-CM	Diagnosis
K50.011	Crohn's disease of small intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.012	Crohn's disease of small intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.013	Crohn's disease of small intestine with fistula	ICD-10-CM	Diagnosis
K50.014	Crohn's disease of small intestine with abscess	ICD-10-CM	Diagnosis
K50.018	Crohn's disease of small intestine with other complication	ICD-10-CM	Diagnosis
K50.019	Crohn's disease of small intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.1	Crohn's disease of large intestine	ICD-10-CM	Diagnosis
K50.10	Crohn's disease of large intestine without complications	ICD-10-CM	Diagnosis
K50.11	Crohn's disease of large intestine with complications	ICD-10-CM	Diagnosis
K50.111	Crohn's disease of large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.112	Crohn's disease of large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.113	Crohn's disease of large intestine with fistula	ICD-10-CM	Diagnosis
K50.114	Crohn's disease of large intestine with abscess	ICD-10-CM	Diagnosis
K50.118	Crohn's disease of large intestine with other complication	ICD-10-CM	Diagnosis
K50.119	Crohn's disease of large intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.8	Crohn's disease of both small and large intestine	ICD-10-CM	Diagnosis
K50.80	Crohn's disease of both small and large intestine without complications	ICD-10-CM	Diagnosis
K50.81	Crohn's disease of both small and large intestine with complications	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
K50.811	Crohn's disease of both small and large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50.812	Crohn's disease of both small and large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50.813	Crohn's disease of both small and large intestine with fistula	ICD-10-CM	Diagnosis
K50.814	Crohn's disease of both small and large intestine with abscess	ICD-10-CM	Diagnosis
K50.818	Crohn's disease of both small and large intestine with other complication	ICD-10-CM	Diagnosis
K50.819	Crohn's disease of both small and large intestine with unspecified complications	ICD-10-CM	Diagnosis
K50.9	Crohn's disease, unspecified	ICD-10-CM	Diagnosis
K50.90	Crohn's disease, unspecified, without complications	ICD-10-CM	Diagnosis
K50.91	Crohn's disease, unspecified, with complications	ICD-10-CM	Diagnosis
K50.911	Crohn's disease, unspecified, with rectal bleeding	ICD-10-CM	Diagnosis
K50.912	Crohn's disease, unspecified, with intestinal obstruction	ICD-10-CM	Diagnosis
K50.913	Crohn's disease, unspecified, with fistula	ICD-10-CM	Diagnosis
K50.914	Crohn's disease, unspecified, with abscess	ICD-10-CM	Diagnosis
K50.918	Crohn's disease, unspecified, with other complication	ICD-10-CM	Diagnosis
K50.919	Crohn's disease, unspecified, with unspecified complications	ICD-10-CM	Diagnosis
K51.0	Ulcerative (chronic) pancolitis	ICD-10-CM	Diagnosis
K51.00	Ulcerative (chronic) pancolitis without complications	ICD-10-CM	Diagnosis
K51.01	Ulcerative (chronic) pancolitis with complications	ICD-10-CM	Diagnosis
K51.011	Ulcerative (chronic) pancolitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.012	Ulcerative (chronic) pancolitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.013	Ulcerative (chronic) pancolitis with fistula	ICD-10-CM	Diagnosis
K51.014	Ulcerative (chronic) pancolitis with abscess	ICD-10-CM	Diagnosis
K51.018	Ulcerative (chronic) pancolitis with other complication	ICD-10-CM	Diagnosis
K51.019	Ulcerative (chronic) pancolitis with unspecified complications	ICD-10-CM	Diagnosis
K51.2	Ulcerative (chronic) proctitis	ICD-10-CM	Diagnosis
K51.20	Ulcerative (chronic) proctitis without complications	ICD-10-CM	Diagnosis
K51.21	Ulcerative (chronic) proctitis with complications	ICD-10-CM	Diagnosis
K51.211	Ulcerative (chronic) proctitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.212	Ulcerative (chronic) proctitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.213	Ulcerative (chronic) proctitis with fistula	ICD-10-CM	Diagnosis
K51.214	Ulcerative (chronic) proctitis with abscess	ICD-10-CM	Diagnosis
K51.218	Ulcerative (chronic) proctitis with other complication	ICD-10-CM	Diagnosis
K51.219	Ulcerative (chronic) proctitis with unspecified complications	ICD-10-CM	Diagnosis
K51.3	Ulcerative (chronic) rectosigmoiditis	ICD-10-CM	Diagnosis
K51.30	Ulcerative (chronic) rectosigmoiditis without complications	ICD-10-CM	Diagnosis
K51.31	Ulcerative (chronic) rectosigmoiditis with complications	ICD-10-CM	Diagnosis
K51.311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	ICD-10-CM	Diagnosis
K51.312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.313	Ulcerative (chronic) rectosigmoiditis with fistula	ICD-10-CM	Diagnosis
K51.314	Ulcerative (chronic) rectosigmoiditis with abscess	ICD-10-CM	Diagnosis
K51.318	Ulcerative (chronic) rectosigmoiditis with other complication	ICD-10-CM	Diagnosis
K51.319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	ICD-10-CM	Diagnosis
K51.5	Left sided colitis	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
K51.50	Left sided colitis without complications	ICD-10-CM	Diagnosis
K51.51	Left sided colitis with complications	ICD-10-CM	Diagnosis
K51.511	Left sided colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.512	Left sided colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.513	Left sided colitis with fistula	ICD-10-CM	Diagnosis
K51.514	Left sided colitis with abscess	ICD-10-CM	Diagnosis
K51.518	Left sided colitis with other complication	ICD-10-CM	Diagnosis
K51.519	Left sided colitis with unspecified complications	ICD-10-CM	Diagnosis
K51.8	Other ulcerative colitis	ICD-10-CM	Diagnosis
K51.80	Other ulcerative colitis without complications	ICD-10-CM	Diagnosis
K51.81	Other ulcerative colitis with complications	ICD-10-CM	Diagnosis
K51.811	Other ulcerative colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51.812	Other ulcerative colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51.813	Other ulcerative colitis with fistula	ICD-10-CM	Diagnosis
K51.814	Other ulcerative colitis with abscess	ICD-10-CM	Diagnosis
K51.818	Other ulcerative colitis with other complication	ICD-10-CM	Diagnosis
K51.819	Other ulcerative colitis with unspecified complications	ICD-10-CM	Diagnosis
K51.9	Ulcerative colitis, unspecified	ICD-10-CM	Diagnosis
K51.90	Ulcerative colitis, unspecified, without complications	ICD-10-CM	Diagnosis
K51.91	Ulcerative colitis, unspecified, with complications	ICD-10-CM	Diagnosis
K51.911	Ulcerative colitis, unspecified with rectal bleeding	ICD-10-CM	Diagnosis
K51.912	Ulcerative colitis, unspecified with intestinal obstruction	ICD-10-CM	Diagnosis
K51.913	Ulcerative colitis, unspecified with fistula	ICD-10-CM	Diagnosis
K51.914	Ulcerative colitis, unspecified with abscess	ICD-10-CM	Diagnosis
K51.918	Ulcerative colitis, unspecified with other complication	ICD-10-CM	Diagnosis
K51.919	Ulcerative colitis, unspecified with unspecified complications	ICD-10-CM	Diagnosis
Leukemia/Lymphoma			
200.0	Reticulosarcoma	ICD-9-CM	Diagnosis
200.00	Reticulosarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.01	Reticulosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.02	Reticulosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.03	Reticulosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.04	Reticulosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.05	Reticulosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.06	Reticulosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.07	Reticulosarcoma of spleen	ICD-9-CM	Diagnosis
200.08	Reticulosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.1	Lymphosarcoma	ICD-9-CM	Diagnosis
200.10	Lymphosarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.11	Lymphosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.12	Lymphosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.13	Lymphosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.14	Lymphosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
200.15	Lymphosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.16	Lymphosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.17	Lymphosarcoma of spleen	ICD-9-CM	Diagnosis
200.18	Lymphosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.2	Burkitt's tumor or lymphoma	ICD-9-CM	Diagnosis
200.20	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.21	Burkitt's tumor or lymphoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.22	Burkitt's tumor or lymphoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.23	Burkitt's tumor or lymphoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.24	Burkitt's tumor or lymphoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.25	Burkitt's tumor or lymphoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.26	Burkitt's tumor or lymphoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.27	Burkitt's tumor or lymphoma of spleen	ICD-9-CM	Diagnosis
200.28	Burkitt's tumor or lymphoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.3	Marginal zone lymphoma	ICD-9-CM	Diagnosis
200.30	Marginal zone lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.31	Marginal zone lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.32	Marginal zone lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.33	Marginal zone lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.34	Marginal zone lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.35	Marginal zone lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.36	Marginal zone lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.37	Marginal zone lymphoma, spleen	ICD-9-CM	Diagnosis
200.38	Marginal zone lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.4	Mantle cell lymphoma	ICD-9-CM	Diagnosis
200.40	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.41	Mantle cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.42	Mantle cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.43	Mantle cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.44	Mantle cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.45	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.46	Mantle cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.47	Mantle cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.48	Mantle cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.5	Primary central nervous system lymphoma	ICD-9-CM	Diagnosis
200.50	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.51	Primary central nervous system lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.52	Primary central nervous system lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.53	Primary central nervous system lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.54	Primary central nervous system lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.55	Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.56	Primary central nervous system lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.57	Primary central nervous system lymphoma, spleen	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
200.58	Primary central nervous system lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.6	Anaplastic large cell lymphoma	ICD-9-CM	Diagnosis
200.60	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.61	Anaplastic large cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.62	Anaplastic large cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.63	Anaplastic large cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.64	Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.65	Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.66	Anaplastic large cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.67	Anaplastic large cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.68	Anaplastic large cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.7	Large cell lymphoma	ICD-9-CM	Diagnosis
200.70	Large cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.71	Large cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.72	Large cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.73	Large cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.74	Large cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.75	Large cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.76	Large cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.77	Large cell lymphoma, spleen	ICD-9-CM	Diagnosis
200.78	Large cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
200.8	Other named variants of lymphosarcoma and reticulosarcoma	ICD-9-CM	Diagnosis
200.80	Other named variants, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
200.81	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
200.82	Other named variants of lymphosarcoma and reticulosarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
200.83	Other named variants of lymphosarcoma and reticulosarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
200.84	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
200.85	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
200.86	Other named variants of lymphosarcoma and reticulosarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
200.87	Other named variants of lymphosarcoma and reticulosarcoma of spleen	ICD-9-CM	Diagnosis
200.88	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.0	Hodgkin's paraganuloma	ICD-9-CM	Diagnosis
201.00	Hodgkin's paraganuloma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.01	Hodgkin's paraganuloma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.02	Hodgkin's paraganuloma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.03	Hodgkin's paraganuloma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.04	Hodgkin's paraganuloma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.05	Hodgkin's paraganuloma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.06	Hodgkin's paraganuloma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.07	Hodgkin's paraganuloma of spleen	ICD-9-CM	Diagnosis
201.08	Hodgkin's paraganuloma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.1	Hodgkin's granuloma	ICD-9-CM	Diagnosis
201.10	Hodgkin's granuloma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
201.11	Hodgkin's granuloma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.12	Hodgkin's granuloma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.13	Hodgkin's granuloma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.14	Hodgkin's granuloma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.15	Hodgkin's granuloma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.16	Hodgkin's granuloma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.17	Hodgkin's granuloma of spleen	ICD-9-CM	Diagnosis
201.18	Hodgkin's granuloma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.2	Hodgkin's sarcoma	ICD-9-CM	Diagnosis
201.20	Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.21	Hodgkin's sarcoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.22	Hodgkin's sarcoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.23	Hodgkin's sarcoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.24	Hodgkin's sarcoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.25	Hodgkin's sarcoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.26	Hodgkin's sarcoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.27	Hodgkin's sarcoma of spleen	ICD-9-CM	Diagnosis
201.28	Hodgkin's sarcoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.4	Hodgkin's disease, lymphocytic-histiocytic predominance	ICD-9-CM	Diagnosis
201.40	Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and	ICD-9-CM	Diagnosis
201.41	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of head, face, an	ICD-9-CM	Diagnosis
201.42	Hodgkin's disease, lymphocytic-histiocytic predominance of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.43	Hodgkin's disease, lymphocytic-histiocytic predominance of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.44	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of axilla and upp	ICD-9-CM	Diagnosis
201.45	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of inguinal regio	ICD-9-CM	Diagnosis
201.46	Hodgkin's disease, lymphocytic-histiocytic predominance of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.47	Hodgkin's disease, lymphocytic-histiocytic predominance of spleen	ICD-9-CM	Diagnosis
201.48	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.5	Hodgkin's disease, nodular sclerosis	ICD-9-CM	Diagnosis
201.50	Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.51	Hodgkin's disease, nodular sclerosis, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.52	Hodgkin's disease, nodular sclerosis, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.53	Hodgkin's disease, nodular sclerosis, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.54	Hodgkin's disease, nodular sclerosis, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.55	Hodgkin's disease, nodular sclerosis, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.56	Hodgkin's disease, nodular sclerosis, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.57	Hodgkin's disease, nodular sclerosis, of spleen	ICD-9-CM	Diagnosis
201.58	Hodgkin's disease, nodular sclerosis, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.6	Hodgkin's disease, mixed cellularity	ICD-9-CM	Diagnosis
201.60	Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.61	Hodgkin's disease, mixed cellularity, involving lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.62	Hodgkin's disease, mixed cellularity, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.63	Hodgkin's disease, mixed cellularity, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
201.64	Hodgkin's disease, mixed cellularity, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.65	Hodgkin's disease, mixed cellularity, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.66	Hodgkin's disease, mixed cellularity, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.67	Hodgkin's disease, mixed cellularity, of spleen	ICD-9-CM	Diagnosis
201.68	Hodgkin's disease, mixed cellularity, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.7	Hodgkin's disease, lymphocytic depletion	ICD-9-CM	Diagnosis
201.70	Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ site	ICD-9-CM	Diagnosis
201.71	Hodgkin's disease, lymphocytic depletion, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.72	Hodgkin's disease, lymphocytic depletion, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.73	Hodgkin's disease, lymphocytic depletion, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.74	Hodgkin's disease, lymphocytic depletion, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.75	Hodgkin's disease, lymphocytic depletion, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.76	Hodgkin's disease, lymphocytic depletion, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.77	Hodgkin's disease, lymphocytic depletion, of spleen	ICD-9-CM	Diagnosis
201.78	Hodgkin's disease, lymphocytic depletion, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
201.9	Hodgkin's disease, unspecified type	ICD-9-CM	Diagnosis
201.90	Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
201.91	Hodgkin's disease, unspecified type, of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
201.92	Hodgkin's disease, unspecified type, of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
201.93	Hodgkin's disease, unspecified type, of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
201.94	Hodgkin's disease, unspecified type, of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
201.95	Hodgkin's disease, unspecified type, of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
201.96	Hodgkin's disease, unspecified type, of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
201.97	Hodgkin's disease, unspecified type, of spleen	ICD-9-CM	Diagnosis
201.98	Hodgkin's disease, unspecified type, of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.0	Nodular lymphoma	ICD-9-CM	Diagnosis
202.00	Nodular lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.01	Nodular lymphoma of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.02	Nodular lymphoma of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.03	Nodular lymphoma of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.04	Nodular lymphoma of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.05	Nodular lymphoma of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.06	Nodular lymphoma of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.07	Nodular lymphoma of spleen	ICD-9-CM	Diagnosis
202.08	Nodular lymphoma of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.1	Mycosis fungoides	ICD-9-CM	Diagnosis
202.10	Mycosis fungoides, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.11	Mycosis fungoides of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.12	Mycosis fungoides of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.13	Mycosis fungoides of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.14	Mycosis fungoides of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.15	Mycosis fungoides of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.16	Mycosis fungoides of intrapelvic lymph nodes	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
202.17	Mycosis fungoides of spleen	ICD-9-CM	Diagnosis
202.18	Mycosis fungoides of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.2	Sezary's disease	ICD-9-CM	Diagnosis
202.20	Sezary's disease, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.21	Sezary's disease of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.22	Sezary's disease of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.23	Sezary's disease of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.24	Sezary's disease of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.25	Sezary's disease of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.26	Sezary's disease of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.27	Sezary's disease of spleen	ICD-9-CM	Diagnosis
202.28	Sezary's disease of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.4	Leukemic reticuloendotheliosis	ICD-9-CM	Diagnosis
202.40	Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.41	Leukemic reticuloendotheliosis of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.42	Leukemic reticuloendotheliosis of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.43	Leukemic reticuloendotheliosis of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.44	Leukemic reticuloendotheliosis of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.45	Leukemic reticuloendotheliosis of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.46	Leukemic reticuloendotheliosis of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.47	Leukemic reticuloendotheliosis of spleen	ICD-9-CM	Diagnosis
202.48	Leukemic reticuloendotheliosis of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.7	Peripheral T-cell lymphoma	ICD-9-CM	Diagnosis
202.70	Peripheral T-cell lymphoma, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.71	Peripheral T-cell lymphoma, lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.72	Peripheral T-cell lymphoma, intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.73	Peripheral T-cell lymphoma, intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.74	Peripheral T-cell lymphoma, lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.75	Peripheral T-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.76	Peripheral T-cell lymphoma, intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.77	Peripheral T-cell lymphoma, spleen	ICD-9-CM	Diagnosis
202.78	Peripheral T-cell lymphoma, lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.8	Other malignant lymphomas	ICD-9-CM	Diagnosis
202.80	Other malignant lymphomas, unspecified site, extranodal and solid organ sites	ICD-9-CM	Diagnosis
202.81	Other malignant lymphomas of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
202.82	Other malignant lymphomas of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
202.83	Other malignant lymphomas of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
202.84	Other malignant lymphomas of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
202.85	Other malignant lymphomas of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
202.86	Other malignant lymphomas of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
202.87	Other malignant lymphomas of spleen	ICD-9-CM	Diagnosis
202.88	Other malignant lymphomas of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
202.9	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
202.90	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified	ICD-9-CM	Diagnosis
202.91	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph node	ICD-9-CM	Diagnosis
202.92	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrathoracic	ICD-9-CM	Diagnosis
202.93	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intra-abdominal	ICD-9-CM	Diagnosis
202.94	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph node	ICD-9-CM	Diagnosis
202.95	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph node	ICD-9-CM	Diagnosis
202.96	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrapelvic	ICD-9-CM	Diagnosis
202.97	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of spleen	ICD-9-CM	Diagnosis
202.98	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph node	ICD-9-CM	Diagnosis
203.1	Plasma cell leukemia	ICD-9-CM	Diagnosis
203.10	Plasma cell leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
203.11	Plasma cell leukemia in remission	ICD-9-CM	Diagnosis
203.12	Plasma cell leukemia, in relapse	ICD-9-CM	Diagnosis
204.0	Acute lymphoid leukemia	ICD-9-CM	Diagnosis
204.00	Acute lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.01	Acute lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.02	Acute lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.1	Chronic lymphoid leukemia	ICD-9-CM	Diagnosis
204.10	Chronic lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.11	Chronic lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.12	Chronic lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.2	Subacute lymphoid leukemia	ICD-9-CM	Diagnosis
204.20	Subacute lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.21	Subacute lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.22	Subacute lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.8	Other lymphoid leukemia	ICD-9-CM	Diagnosis
204.80	Other lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.81	Other lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.82	Other lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
204.9	Unspecified lymphoid leukemia	ICD-9-CM	Diagnosis
204.90	Unspecified lymphoid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
204.91	Unspecified lymphoid leukemia in remission	ICD-9-CM	Diagnosis
204.92	Unspecified lymphoid leukemia, in relapse	ICD-9-CM	Diagnosis
205.0	Acute myeloid leukemia	ICD-9-CM	Diagnosis
205.00	Acute myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.01	Acute myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.02	Acute myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.1	Chronic myeloid leukemia	ICD-9-CM	Diagnosis
205.10	Chronic myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.11	Chronic myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.12	Chronic myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.2	Subacute myeloid leukemia	ICD-9-CM	Diagnosis
205.20	Subacute myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
205.21	Subacute myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.22	Subacute myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.3	Myeloid sarcoma	ICD-9-CM	Diagnosis
205.30	Myeloid sarcoma, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.31	Myeloid sarcoma in remission	ICD-9-CM	Diagnosis
205.32	Myeloid sarcoma, in relapse	ICD-9-CM	Diagnosis
205.8	Other myeloid leukemia	ICD-9-CM	Diagnosis
205.80	Other myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.81	Other myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.82	Other myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
205.9	Unspecified myeloid leukemia	ICD-9-CM	Diagnosis
205.90	Unspecified myeloid leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
205.91	Unspecified myeloid leukemia in remission	ICD-9-CM	Diagnosis
205.92	Unspecified myeloid leukemia, in relapse	ICD-9-CM	Diagnosis
206.0	Acute monocytic leukemia	ICD-9-CM	Diagnosis
206.00	Acute monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.01	Acute monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.02	Acute monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.1	Chronic monocytic leukemia	ICD-9-CM	Diagnosis
206.10	Chronic monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.11	Chronic monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.12	Chronic monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.2	Subacute monocytic leukemia	ICD-9-CM	Diagnosis
206.20	Subacute monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.21	Subacute monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.22	Subacute monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.8	Other monocytic leukemia	ICD-9-CM	Diagnosis
206.80	Other monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.81	Other monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.82	Other monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
206.9	Unspecified monocytic leukemia	ICD-9-CM	Diagnosis
206.90	Unspecified monocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
206.91	Unspecified monocytic leukemia in remission	ICD-9-CM	Diagnosis
206.92	Unspecified monocytic leukemia, in relapse	ICD-9-CM	Diagnosis
207.0	Acute erythremia and erythroleukemia	ICD-9-CM	Diagnosis
207.00	Acute erythremia and erythroleukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.01	Acute erythremia and erythroleukemia in remission	ICD-9-CM	Diagnosis
207.02	Acute erythremia and erythroleukemia, in relapse	ICD-9-CM	Diagnosis
207.2	Megakaryocytic leukemia	ICD-9-CM	Diagnosis
207.20	Megakaryocytic leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
207.21	Megakaryocytic leukemia in remission	ICD-9-CM	Diagnosis
207.22	Megakaryocytic leukemia, in relapse	ICD-9-CM	Diagnosis
207.8	Other specified leukemia	ICD-9-CM	Diagnosis
207.80	Other specified leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
207.81	Other specified leukemia in remission	ICD-9-CM	Diagnosis
207.82	Other specified leukemia, in relapse	ICD-9-CM	Diagnosis
208.0	Acute leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.00	Acute leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.01	Acute leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.02	Acute leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.1	Chronic leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.10	Chronic leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.11	Chronic leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.12	Chronic leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.2	Subacute leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.20	Subacute leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.21	Subacute leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.22	Subacute leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.8	Other leukemia of unspecified cell type	ICD-9-CM	Diagnosis
208.80	Other leukemia of unspecified cell type, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.81	Other leukemia of unspecified cell type in remission	ICD-9-CM	Diagnosis
208.82	Other leukemia of unspecified cell type, in relapse	ICD-9-CM	Diagnosis
208.9	Unspecified leukemia	ICD-9-CM	Diagnosis
208.90	Unspecified leukemia, without mention of having achieved remission	ICD-9-CM	Diagnosis
208.91	Unspecified leukemia in remission	ICD-9-CM	Diagnosis
208.92	Unspecified leukemia, in relapse	ICD-9-CM	Diagnosis
V10.6	Personal history of leukemia	ICD-9-CM	Diagnosis
V10.60	Personal history of unspecified leukemia	ICD-9-CM	Diagnosis
V10.61	Personal history of lymphoid leukemia	ICD-9-CM	Diagnosis
V10.62	Personal history of myeloid leukemia	ICD-9-CM	Diagnosis
V10.63	Personal history of monocytic leukemia	ICD-9-CM	Diagnosis
V10.69	Personal history of other leukemia	ICD-9-CM	Diagnosis
V10.7	Personal history of other lymphatic and hematopoietic neoplasms	ICD-9-CM	Diagnosis
V10.71	Personal history of lymphosarcoma and reticulosarcoma	ICD-9-CM	Diagnosis
V10.72	Personal history of Hodgkin's disease	ICD-9-CM	Diagnosis
V10.79	Personal history of other lymphatic and hematopoietic neoplasm	ICD-9-CM	Diagnosis
C81.00	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.01	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.02	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.03	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.04	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.05	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and groin	ICD-10-CM	Diagnosis
C81.06	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.07	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.08	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.09	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.70	Other Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C81.71	Other Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.72	Other Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.73	Other Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.74	Other Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C81.75	Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.76	Other Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.77	Other Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C81.78	Other Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.79	Other Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C81.90	Hodgkin lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C81.97	Hodgkin lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.00	Follicular lymphoma grade I, unspecified site	ICD-10-CM	Diagnosis
C82.01	Follicular lymphoma grade I, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.04	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.05	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.07	Follicular lymphoma grade I, spleen	ICD-10-CM	Diagnosis
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.10	Follicular lymphoma grade II, unspecified site	ICD-10-CM	Diagnosis
C82.11	Follicular lymphoma grade II, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.14	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.15	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.17	Follicular lymphoma grade II, spleen	ICD-10-CM	Diagnosis
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.20	Follicular lymphoma grade III, unspecified, unspecified site	ICD-10-CM	Diagnosis
C82.21	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.22	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.23	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.24	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.25	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.26	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.27	Follicular lymphoma grade III, unspecified, spleen	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

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

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C82.81	Other types of follicular lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.84	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.85	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.87	Other types of follicular lymphoma, spleen	ICD-10-CM	Diagnosis
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C82.90	Follicular lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C82.94	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C82.95	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C82.97	Follicular lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.00	Small cell B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.07	Small cell B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.10	Mantle cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.11	Mantle cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.17	Mantle cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.30	Diffuse large B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C83.34	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.35	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.37	Diffuse large B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	ICD-10-CM	Diagnosis
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.70	Burkitt lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.71	Burkitt lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.72	Burkitt lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.74	Burkitt lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.76	Burkitt lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.77	Burkitt lymphoma, spleen	ICD-10-CM	Diagnosis
C83.78	Burkitt lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.79	Burkitt lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.80	Other non-follicular lymphoma, unspecified site	ICD-10-CM	Diagnosis
C83.81	Other non-follicular lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C83.87	Other non-follicular lymphoma, spleen	ICD-10-CM	Diagnosis
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C83.90	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C83.91	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C83.92	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C83.93	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C83.94	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C83.95	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C83.96	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C83.97	Non-follicular (diffuse) lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C83.98	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C83.99	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.00	Mycosis fungoides, unspecified site	ICD-10-CM	Diagnosis
C84.01	Mycosis fungoides, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.02	Mycosis fungoides, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.03	Mycosis fungoides, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.04	Mycosis fungoides, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.05	Mycosis fungoides, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.06	Mycosis fungoides, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.07	Mycosis fungoides, spleen	ICD-10-CM	Diagnosis
C84.08	Mycosis fungoides, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.09	Mycosis fungoides, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.10	Sezary disease, unspecified site	ICD-10-CM	Diagnosis
C84.11	Sezary disease, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.12	Sezary disease, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.13	Sezary disease, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.14	Sezary disease, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.15	Sezary disease, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.16	Sezary disease, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.17	Sezary disease, spleen	ICD-10-CM	Diagnosis
C84.18	Sezary disease, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.19	Sezary disease, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.40	Peripheral T-cell lymphoma, not classified, unspecified site	ICD-10-CM	Diagnosis
C84.41	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.42	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.43	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.44	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.45	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.46	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.47	Peripheral T-cell lymphoma, not classified, spleen	ICD-10-CM	Diagnosis
C84.48	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.49	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.60	Anaplastic large cell lymphoma, ALK-positive, unspecified site	ICD-10-CM	Diagnosis
C84.61	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.62	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.63	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.64	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.65	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.66	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.67	Anaplastic large cell lymphoma, ALK-positive, spleen	ICD-10-CM	Diagnosis
C84.68	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.69	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C84.70	Anaplastic large cell lymphoma, ALK-negative, unspecified site	ICD-10-CM	Diagnosis
C84.71	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.72	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.73	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.74	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.75	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.76	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.77	Anaplastic large cell lymphoma, ALK-negative, spleen	ICD-10-CM	Diagnosis
C84.78	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.79	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	ICD-10-CM	Diagnosis
C84.91	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.92	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.93	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.94	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.95	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.96	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.97	Mature T/NK-cell lymphomas, unspecified, spleen	ICD-10-CM	Diagnosis
C84.98	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.99	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C84.A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.A7	Cutaneous T-cell lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C84.A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C84.Z0	Other mature T/NK-cell lymphomas, unspecified site	ICD-10-CM	Diagnosis
C84.Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C84.Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C84.Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C84.Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C84.Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C84.Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C84.Z7	Other mature T/NK-cell lymphomas, spleen	ICD-10-CM	Diagnosis
C84.Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C84.Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.10	Unspecified B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.11	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.12	Unspecified B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C85.13	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.14	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.15	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.16	Unspecified B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.17	Unspecified B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C85.18	Unspecified B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.19	Unspecified B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.20	Mediastinal (thymic) large B-cell lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.21	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.22	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.23	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.24	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.25	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.26	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.27	Mediastinal (thymic) large B-cell lymphoma, spleen	ICD-10-CM	Diagnosis
C85.28	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.29	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site	ICD-10-CM	Diagnosis
C85.81	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.82	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.83	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.84	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.85	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.86	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.87	Other specified types of non-Hodgkin lymphoma, spleen	ICD-10-CM	Diagnosis
C85.88	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.89	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site	ICD-10-CM	Diagnosis
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	ICD-10-CM	Diagnosis
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	ICD-10-CM	Diagnosis
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	ICD-10-CM	Diagnosis
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C85.97	Non-Hodgkin lymphoma, unspecified, spleen	ICD-10-CM	Diagnosis
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	ICD-10-CM	Diagnosis
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	ICD-10-CM	Diagnosis
C86.0	Extranodal NK/T-cell lymphoma, nasal type	ICD-10-CM	Diagnosis
C86.1	Hepatosplenic T-cell lymphoma	ICD-10-CM	Diagnosis
C86.2	Enteropathy-type (intestinal) T-cell lymphoma	ICD-10-CM	Diagnosis
C86.3	Subcutaneous panniculitis-like T-cell lymphoma	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C86.4	Blastic NK-cell lymphoma	ICD-10-CM	Diagnosis
C86.5	Angioimmunoblastic T-cell lymphoma	ICD-10-CM	Diagnosis
C86.6	Primary cutaneous CD30-positive T-cell proliferations	ICD-10-CM	Diagnosis
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	ICD-10-CM	Diagnosis
C90.10	Plasma cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C90.11	Plasma cell leukemia in remission	ICD-10-CM	Diagnosis
C90.12	Plasma cell leukemia in relapse	ICD-10-CM	Diagnosis
C91.00	Acute lymphoblastic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.01	Acute lymphoblastic leukemia, in remission	ICD-10-CM	Diagnosis
C91.02	Acute lymphoblastic leukemia, in relapse	ICD-10-CM	Diagnosis
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.11	Chronic lymphocytic leukemia of B-cell type in remission	ICD-10-CM	Diagnosis
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse	ICD-10-CM	Diagnosis
C91.30	Prolymphocytic leukemia of B-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.31	Prolymphocytic leukemia of B-cell type, in remission	ICD-10-CM	Diagnosis
C91.32	Prolymphocytic leukemia of B-cell type, in relapse	ICD-10-CM	Diagnosis
C91.40	Hairy cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.41	Hairy cell leukemia, in remission	ICD-10-CM	Diagnosis
C91.42	Hairy cell leukemia, in relapse	ICD-10-CM	Diagnosis
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	ICD-10-CM	Diagnosis
C91.51	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission	ICD-10-CM	Diagnosis
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	ICD-10-CM	Diagnosis
C91.60	Prolymphocytic leukemia of T-cell type not having achieved remission	ICD-10-CM	Diagnosis
C91.61	Prolymphocytic leukemia of T-cell type, in remission	ICD-10-CM	Diagnosis
C91.62	Prolymphocytic leukemia of T-cell type, in relapse	ICD-10-CM	Diagnosis
C91.90	Lymphoid leukemia, unspecified not having achieved remission	ICD-10-CM	Diagnosis
C91.91	Lymphoid leukemia, unspecified, in remission	ICD-10-CM	Diagnosis
C91.92	Lymphoid leukemia, unspecified, in relapse	ICD-10-CM	Diagnosis
C91.A0	Mature B-cell leukemia Burkitt-type not having achieved remission	ICD-10-CM	Diagnosis
C91.A1	Mature B-cell leukemia Burkitt-type, in remission	ICD-10-CM	Diagnosis
C91.A2	Mature B-cell leukemia Burkitt-type, in relapse	ICD-10-CM	Diagnosis
C91.Z0	Other lymphoid leukemia not having achieved remission	ICD-10-CM	Diagnosis
C91.Z1	Other lymphoid leukemia, in remission	ICD-10-CM	Diagnosis
C91.Z2	Other lymphoid leukemia, in relapse	ICD-10-CM	Diagnosis
C92.00	Acute myeloblastic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C92.01	Acute myeloblastic leukemia, in remission	ICD-10-CM	Diagnosis
C92.02	Acute myeloblastic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	ICD-10-CM	Diagnosis
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	ICD-10-CM	Diagnosis
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	ICD-10-CM	Diagnosis
C92.20	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	ICD-10-CM	Diagnosis
C92.21	Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C92.22	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	ICD-10-CM	Diagnosis
C92.30	Myeloid sarcoma, not having achieved remission	ICD-10-CM	Diagnosis
C92.31	Myeloid sarcoma, in remission	ICD-10-CM	Diagnosis
C92.32	Myeloid sarcoma, in relapse	ICD-10-CM	Diagnosis
C92.40	Acute promyelocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C92.41	Acute promyelocytic leukemia, in remission	ICD-10-CM	Diagnosis
C92.42	Acute promyelocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.50	Acute myelomonocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C92.51	Acute myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C92.52	Acute myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	ICD-10-CM	Diagnosis
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission	ICD-10-CM	Diagnosis
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse	ICD-10-CM	Diagnosis
C92.90	Myeloid leukemia, unspecified, not having achieved remission	ICD-10-CM	Diagnosis
C92.91	Myeloid leukemia, unspecified in remission	ICD-10-CM	Diagnosis
C92.92	Myeloid leukemia, unspecified in relapse	ICD-10-CM	Diagnosis
C92.A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	ICD-10-CM	Diagnosis
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission	ICD-10-CM	Diagnosis
C92.A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	ICD-10-CM	Diagnosis
C92.Z0	Other myeloid leukemia not having achieved remission	ICD-10-CM	Diagnosis
C92.Z1	Other myeloid leukemia, in remission	ICD-10-CM	Diagnosis
C92.Z2	Other myeloid leukemia, in relapse	ICD-10-CM	Diagnosis
C93.00	Acute monoblastic/monocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.01	Acute monoblastic/monocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.02	Acute monoblastic/monocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.10	Chronic myelomonocytic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C93.11	Chronic myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.12	Chronic myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.30	Juvenile myelomonocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.31	Juvenile myelomonocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.32	Juvenile myelomonocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C93.90	Monocytic leukemia, unspecified, not having achieved remission	ICD-10-CM	Diagnosis
C93.91	Monocytic leukemia, unspecified in remission	ICD-10-CM	Diagnosis
C93.92	Monocytic leukemia, unspecified in relapse	ICD-10-CM	Diagnosis
C93.Z0	Other monocytic leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C93.Z1	Other monocytic leukemia, in remission	ICD-10-CM	Diagnosis
C93.Z2	Other monocytic leukemia, in relapse	ICD-10-CM	Diagnosis
C94.00	Acute erythroid leukemia, not having achieved remission	ICD-10-CM	Diagnosis
C94.01	Acute erythroid leukemia, in remission	ICD-10-CM	Diagnosis
C94.02	Acute erythroid leukemia, in relapse	ICD-10-CM	Diagnosis
C94.20	Acute megakaryoblastic leukemia not having achieved remission	ICD-10-CM	Diagnosis
C94.21	Acute megakaryoblastic leukemia, in remission	ICD-10-CM	Diagnosis
C94.22	Acute megakaryoblastic leukemia, in relapse	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
C94.30	Mast cell leukemia not having achieved remission	ICD-10-CM	Diagnosis
C94.31	Mast cell leukemia, in remission	ICD-10-CM	Diagnosis
C94.32	Mast cell leukemia, in relapse	ICD-10-CM	Diagnosis
C94.80	Other specified leukemias not having achieved remission	ICD-10-CM	Diagnosis
C94.81	Other specified leukemias, in remission	ICD-10-CM	Diagnosis
C94.82	Other specified leukemias, in relapse	ICD-10-CM	Diagnosis
C95.00	Acute leukemia of unspecified cell type not having achieved remission	ICD-10-CM	Diagnosis
C95.01	Acute leukemia of unspecified cell type, in remission	ICD-10-CM	Diagnosis
C95.02	Acute leukemia of unspecified cell type, in relapse	ICD-10-CM	Diagnosis
C95.10	Chronic leukemia of unspecified cell type not having achieved remission	ICD-10-CM	Diagnosis
C95.11	Chronic leukemia of unspecified cell type, in remission	ICD-10-CM	Diagnosis
C95.12	Chronic leukemia of unspecified cell type, in relapse	ICD-10-CM	Diagnosis
C95.90	Leukemia, unspecified not having achieved remission	ICD-10-CM	Diagnosis
C95.91	Leukemia, unspecified, in remission	ICD-10-CM	Diagnosis
C95.92	Leukemia, unspecified, in relapse	ICD-10-CM	Diagnosis
C96.4	Sarcoma of dendritic cells (accessory cells)	ICD-10-CM	Diagnosis
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	ICD-10-CM	Diagnosis
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	ICD-10-CM	Diagnosis
Z85.6	Personal history of leukemia	ICD-10-CM	Diagnosis
Z85.71	Personal history of Hodgkin lymphoma	ICD-10-CM	Diagnosis
Z85.79	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues	ICD-10-CM	Diagnosis
Obesity			
278.00	Obesity, unspecified	ICD-9-CM	Diagnosis
278.01	Morbid obesity	ICD-9-CM	Diagnosis
278.02	Overweight	ICD-9-CM	Diagnosis
278.03	Obesity hypoventilation syndrome	ICD-9-CM	Diagnosis
649.1	Obesity complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
649.10	Obesity complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	ICD-9-CM	Diagnosis
649.11	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
649.12	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
649.13	Obesity complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	ICD-9-CM	Diagnosis
649.14	Obesity complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
V85.3	Body Mass Index between 30-39, adult	ICD-9-CM	Diagnosis
V85.30	Body Mass Index 30.0-30.9, adult	ICD-9-CM	Diagnosis
V85.31	Body Mass Index 31.0-31.9, adult	ICD-9-CM	Diagnosis
V85.32	Body Mass Index 32.0-32.9, adult	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
V85.33	Body Mass Index 33.0-33.9, adult	ICD-9-CM	Diagnosis
V85.34	Body Mass Index 34.0-34.9, adult	ICD-9-CM	Diagnosis
V85.35	Body Mass Index 35.0-35.9, adult	ICD-9-CM	Diagnosis
V85.36	Body Mass Index 36.0-36.9, adult	ICD-9-CM	Diagnosis
V85.37	Body Mass Index 37.0-37.9, adult	ICD-9-CM	Diagnosis
V85.38	Body Mass Index 38.0-38.9, adult	ICD-9-CM	Diagnosis
V85.39	Body Mass Index 39.0-39.9, adult	ICD-9-CM	Diagnosis
V85.4	Body Mass Index 40 and over, adult	ICD-9-CM	Diagnosis
V85.41	Body Mass Index 40.0-44.9, adult	ICD-9-CM	Diagnosis
V85.42	Body Mass Index 45.0-49.9, adult	ICD-9-CM	Diagnosis
V85.43	Body Mass Index 50.0-59.9, adult	ICD-9-CM	Diagnosis
V85.44	Body Mass Index 60.0-69.9, adult	ICD-9-CM	Diagnosis
V85.45	Body Mass Index 70 and over, adult	ICD-9-CM	Diagnosis
E66.01	Morbid (severe) obesity due to excess calories	ICD-10-CM	Diagnosis
E66.09	Other obesity due to excess calories	ICD-10-CM	Diagnosis
E66.1	Drug-induced obesity	ICD-10-CM	Diagnosis
E66.2	Morbid (severe) obesity with alveolar hypoventilation	ICD-10-CM	Diagnosis
E66.3	Overweight	ICD-10-CM	Diagnosis
E66.8	Other obesity	ICD-10-CM	Diagnosis
E66.9	Obesity, unspecified	ICD-10-CM	Diagnosis
O99.210	Obesity complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O99.211	Obesity complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O99.212	Obesity complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O99.213	Obesity complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O99.214	Obesity complicating childbirth	ICD-10-CM	Diagnosis
O99.215	Obesity complicating the puerperium	ICD-10-CM	Diagnosis
Z68.30	Body mass index (BMI) 30.0-30.9, adult	ICD-10-CM	Diagnosis
Z68.31	Body mass index (BMI) 31.0-31.9, adult	ICD-10-CM	Diagnosis
Z68.32	Body mass index (BMI) 32.0-32.9, adult	ICD-10-CM	Diagnosis
Z68.33	Body mass index (BMI) 33.0-33.9, adult	ICD-10-CM	Diagnosis
Z68.34	Body mass index (BMI) 34.0-34.9, adult	ICD-10-CM	Diagnosis
Z68.35	Body mass index (BMI) 35.0-35.9, adult	ICD-10-CM	Diagnosis
Z68.36	Body mass index (BMI) 36.0-36.9, adult	ICD-10-CM	Diagnosis
Z68.37	Body mass index (BMI) 37.0-37.9, adult	ICD-10-CM	Diagnosis
Z68.38	Body mass index (BMI) 38.0-38.9, adult	ICD-10-CM	Diagnosis
Z68.39	Body mass index (BMI) 39.0-39.9, adult	ICD-10-CM	Diagnosis
Z68.41	Body mass index (BMI) 40.0-44.9, adult	ICD-10-CM	Diagnosis
Z68.42	Body mass index (BMI) 45.0-49.9, adult	ICD-10-CM	Diagnosis
Z68.43	Body mass index (BMI) 50.0-59.9, adult	ICD-10-CM	Diagnosis
Z68.44	Body mass index (BMI) 60.0-69.9, adult	ICD-10-CM	Diagnosis
Z68.45	Body mass index (BMI) 70 or greater, adult	ICD-10-CM	Diagnosis

Preexisting Diabetes

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
250.0	Diabetes mellitus without mention of complication	ICD-9-CM	Diagnosis
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.1	Diabetes with ketoacidosis	ICD-9-CM	Diagnosis
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.2	Diabetes with hyperosmolarity	ICD-9-CM	Diagnosis
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.3	Diabetes with other coma	ICD-9-CM	Diagnosis
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.4	Diabetes with renal manifestations	ICD-9-CM	Diagnosis
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.5	Diabetes with ophthalmic manifestations	ICD-9-CM	Diagnosis
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.6	Diabetes with neurological manifestations	ICD-9-CM	Diagnosis
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
250.7	Diabetes with peripheral circulatory disorders	ICD-9-CM	Diagnosis
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.8	Diabetes with other specified manifestations	ICD-9-CM	Diagnosis
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.9	Diabetes with unspecified complication	ICD-9-CM	Diagnosis
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
648.0	Maternal diabetes mellitus complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
648.01	Maternal diabetes mellitus with delivery	ICD-9-CM	Diagnosis
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
648.03	Maternal diabetes mellitus, antepartum	ICD-9-CM	Diagnosis
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E10.3523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E10.3531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E10.3533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E10.3541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E10.3542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E10.3543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E10.3549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E10.3551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E10.3552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E10.3559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E10.3591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.36	Type 1 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E10.37X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E10.59	Type 1 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E10.620	Type 1 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E10.621	Type 1 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E10.622	Type 1 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E10.628	Type 1 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E10.630	Type 1 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E10.638	Type 1 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E10.65	Type 1 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E10.69	Type 1 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E10.8	Type 1 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E10.9	Type 1 diabetes mellitus without complications	ICD-10-CM	Diagnosis
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.36	Type 2 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E11.59	Type 2 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E11.621	Type 2 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E11.622	Type 2 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E11.628	Type 2 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E11.630	Type 2 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E11.638	Type 2 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E11.65	Type 2 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E11.69	Type 2 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E11.8	Type 2 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E11.9	Type 2 diabetes mellitus without complications	ICD-10-CM	Diagnosis
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

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

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.36	Other specified diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E13.59	Other specified diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E13.620	Other specified diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E13.621	Other specified diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E13.622	Other specified diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
E13.628	Other specified diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E13.630	Other specified diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E13.638	Other specified diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E13.65	Other specified diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E13.69	Other specified diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E13.8	Other specified diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E13.9	Other specified diabetes mellitus without complications	ICD-10-CM	Diagnosis
O24.011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24.012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24.013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24.019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24.02	Pre-existing type 1 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O24.03	Pre-existing type 1 diabetes mellitus, in the puerperium	ICD-10-CM	Diagnosis
O24.111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24.112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24.113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24.119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24.12	Pre-existing type 2 diabetes mellitus, in childbirth	ICD-10-CM	Diagnosis
O24.13	Pre-existing type 2 diabetes mellitus, in the puerperium	ICD-10-CM	Diagnosis
O24.311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24.312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24.313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24.319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24.32	Unspecified pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24.33	Unspecified pre-existing diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis
O24.811	Other pre-existing diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24.812	Other pre-existing diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24.813	Other pre-existing diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24.819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24.82	Other pre-existing diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24.83	Other pre-existing diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis
O24.911	Unspecified diabetes mellitus in pregnancy, first trimester	ICD-10-CM	Diagnosis
O24.912	Unspecified diabetes mellitus in pregnancy, second trimester	ICD-10-CM	Diagnosis
O24.913	Unspecified diabetes mellitus in pregnancy, third trimester	ICD-10-CM	Diagnosis
O24.919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O24.92	Unspecified diabetes mellitus in childbirth	ICD-10-CM	Diagnosis
O24.93	Unspecified diabetes mellitus in the puerperium	ICD-10-CM	Diagnosis
Preexisting Hypertension			
401.0	Essential hypertension, malignant	ICD-9-CM	Diagnosis
401.1	Essential hypertension, benign	ICD-9-CM	Diagnosis
401.9	Unspecified essential hypertension	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
402.0	Malignant hypertensive heart disease	ICD-9-CM	Diagnosis
402.00	Malignant hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.1	Benign hypertensive heart disease	ICD-9-CM	Diagnosis
402.10	Benign hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.9	Unspecified hypertensive heart disease	ICD-9-CM	Diagnosis
402.90	Unspecified hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
403.0	Hypertensive chronic kidney disease, malignant	ICD-9-CM	Diagnosis
403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.1	Hypertensive chronic kidney disease, benign	ICD-9-CM	Diagnosis
403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.9	Hypertensive chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.0	Hypertensive heart and chronic kidney disease, malignant	ICD-9-CM	Diagnosis
404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.1	Hypertensive heart and chronic kidney disease, benign	ICD-9-CM	Diagnosis
404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.9	Hypertensive heart and chronic kidney disease, unspecified	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
405.0	Secondary hypertension, malignant	ICD-9-CM	Diagnosis
405.01	Secondary renovascular hypertension, malignant	ICD-9-CM	Diagnosis
405.09	Other secondary hypertension, malignant	ICD-9-CM	Diagnosis
405.1	Secondary hypertension, benign	ICD-9-CM	Diagnosis
405.11	Secondary renovascular hypertension, benign	ICD-9-CM	Diagnosis
405.19	Other secondary hypertension, benign	ICD-9-CM	Diagnosis
405.9	Unspecified secondary hypertension, unspecified	ICD-9-CM	Diagnosis
405.91	Secondary renovascular hypertension, unspecified	ICD-9-CM	Diagnosis
405.99	Other secondary hypertension, unspecified	ICD-9-CM	Diagnosis
642.0	Benign essential hypertension complicating pregnancy, childbirth, and the puerperium	ICD-9-CM	Diagnosis
642.00	Benign essential hypertension complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
642.01	Benign essential hypertension with delivery	ICD-9-CM	Diagnosis
642.02	Benign essential hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
642.03	Benign essential hypertension antepartum	ICD-9-CM	Diagnosis
642.04	Benign essential hypertension, complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
642.1	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium	ICD-9-CM	Diagnosis
642.10	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
642.11	Hypertension secondary to renal disease, with delivery	ICD-9-CM	Diagnosis
642.12	Hypertension secondary to renal disease, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
642.13	Hypertension secondary to renal disease, antepartum	ICD-9-CM	Diagnosis
642.14	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
642.2	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium	ICD-9-CM	Diagnosis
642.20	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
642.21	Other pre-existing hypertension, with delivery	ICD-9-CM	Diagnosis
642.22	Other pre-existing hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
642.23	Other pre-existing hypertension, antepartum	ICD-9-CM	Diagnosis
642.24	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
642.7	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension	ICD-9-CM	Diagnosis
642.70	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
642.71	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery	ICD-9-CM	Diagnosis
642.72	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
642.73	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, antepartum	ICD-9-CM	Diagnosis
642.74	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, postpartum condition or complication	ICD-9-CM	Diagnosis
I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
I11.9	Hypertensive heart disease without heart failure	ICD-10-CM	Diagnosis
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	ICD-10-CM	Diagnosis
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I15.0	Renovascular hypertension	ICD-10-CM	Diagnosis
I15.1	Hypertension secondary to other renal disorders	ICD-10-CM	Diagnosis
I15.2	Hypertension secondary to endocrine disorders	ICD-10-CM	Diagnosis
I15.8	Other secondary hypertension	ICD-10-CM	Diagnosis
I15.9	Secondary hypertension, unspecified	ICD-10-CM	Diagnosis
I16.0	Hypertensive urgency	ICD-10-CM	Diagnosis
I16.1	Hypertensive emergency	ICD-10-CM	Diagnosis
I16.9	Hypertensive crisis, unspecified	ICD-10-CM	Diagnosis
N26.2	Page kidney	ICD-10-CM	Diagnosis
O10.011	Pre-existing essential hypertension complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.012	Pre-existing essential hypertension complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.013	Pre-existing essential hypertension complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.019	Pre-existing essential hypertension complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.02	Pre-existing essential hypertension complicating childbirth	ICD-10-CM	Diagnosis
O10.03	Pre-existing essential hypertension complicating the puerperium	ICD-10-CM	Diagnosis
O10.111	Pre-existing hypertensive heart disease complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.112	Pre-existing hypertensive heart disease complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.113	Pre-existing hypertensive heart disease complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.119	Pre-existing hypertensive heart disease complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.12	Pre-existing hypertensive heart disease complicating childbirth	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
O10.13	Pre-existing hypertensive heart disease complicating the puerperium	ICD-10-CM	Diagnosis
O10.211	Pre-existing hypertensive chronic kidney disease complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.212	Pre-existing hypertensive chronic kidney disease complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.213	Pre-existing hypertensive chronic kidney disease complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.219	Pre-existing hypertensive chronic kidney disease complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.22	Pre-existing hypertensive chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O10.23	Pre-existing hypertensive chronic kidney disease complicating the puerperium	ICD-10-CM	Diagnosis
O10.311	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.312	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.313	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.319	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.32	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	ICD-10-CM	Diagnosis
O10.33	Pre-existing hypertensive heart and chronic kidney disease complicating the puerperium	ICD-10-CM	Diagnosis
O10.411	Pre-existing secondary hypertension complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.412	Pre-existing secondary hypertension complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.413	Pre-existing secondary hypertension complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.419	Pre-existing secondary hypertension complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.42	Pre-existing secondary hypertension complicating childbirth	ICD-10-CM	Diagnosis
O10.43	Pre-existing secondary hypertension complicating the puerperium	ICD-10-CM	Diagnosis
O10.911	Unspecified pre-existing hypertension complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O10.912	Unspecified pre-existing hypertension complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O10.913	Unspecified pre-existing hypertension complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O10.919	Unspecified pre-existing hypertension complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O10.92	Unspecified pre-existing hypertension complicating childbirth	ICD-10-CM	Diagnosis
O10.93	Unspecified pre-existing hypertension complicating the puerperium	ICD-10-CM	Diagnosis
O11.1	Pre-existing hypertension with pre-eclampsia, first trimester	ICD-10-CM	Diagnosis
O11.2	Pre-existing hypertension with pre-eclampsia, second trimester	ICD-10-CM	Diagnosis
O11.3	Pre-existing hypertension with pre-eclampsia, third trimester	ICD-10-CM	Diagnosis
O11.4	Pre-existing hypertension with pre-eclampsia, complicating childbirth	ICD-10-CM	Diagnosis
O11.5	Pre-existing hypertension with pre-eclampsia, complicating the puerperium	ICD-10-CM	Diagnosis
O11.9	Pre-existing hypertension with pre-eclampsia, unspecified trimester	ICD-10-CM	Diagnosis
Previous Cesarean Delivery			
654.2	Previous cesarean section complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
654.20	Previous cesarean delivery, unspecified as to episode of care or not applicable	ICD-9-CM	Diagnosis
654.21	Previous cesarean delivery, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
654.23	Previous cesarean delivery, antepartum condition or complication	ICD-9-CM	Diagnosis
O34.211	Maternal care for low transverse scar from previous cesarean delivery	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
O34.212	Maternal care for vertical scar from previous cesarean delivery	ICD-9-CM	Diagnosis
O34.219	Maternal care for unspecified type scar from previous cesarean delivery	ICD-9-CM	Diagnosis
Psychiatric Disorders			
295.00	Simple schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.01	Simple schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.02	Simple schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.03	Simple schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.04	Simple schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.05	Simple schizophrenia, in remission	ICD-9-CM	Diagnosis
295.10	Disorganized schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.11	Disorganized schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.12	Disorganized schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.13	Disorganized schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.14	Disorganized schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.15	Disorganized schizophrenia, in remission	ICD-9-CM	Diagnosis
295.20	Catatonic schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.21	Catatonic schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.22	Catatonic schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.23	Catatonic schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.24	Catatonic schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.25	Catatonic schizophrenia, in remission	ICD-9-CM	Diagnosis
295.30	Paranoid schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.31	Paranoid schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.32	Paranoid schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.33	Paranoid schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.34	Paranoid schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.35	Paranoid schizophrenia, in remission	ICD-9-CM	Diagnosis
295.40	Schizophreniform disorder, unspecified	ICD-9-CM	Diagnosis
295.41	Schizophreniform disorder, subchronic	ICD-9-CM	Diagnosis
295.42	Schizophreniform disorder, chronic	ICD-9-CM	Diagnosis
295.43	Schizophreniform disorder, subchronic with acute exacerbation	ICD-9-CM	Diagnosis
295.44	Schizophreniform disorder, chronic with acute exacerbation	ICD-9-CM	Diagnosis
295.45	Schizophreniform disorder, in remission	ICD-9-CM	Diagnosis
295.50	Latent schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.51	Latent schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.52	Latent schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.53	Latent schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.54	Latent schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.55	Latent schizophrenia, in remission	ICD-9-CM	Diagnosis
295.60	Schizophrenic disorders, residual type, unspecified	ICD-9-CM	Diagnosis
295.61	Schizophrenic disorders, residual type, subchronic	ICD-9-CM	Diagnosis
295.62	Schizophrenic disorders, residual type, chronic	ICD-9-CM	Diagnosis
295.63	Schizophrenic disorders, residual type, subchronic with acute exacerbation	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
295.64	Schizophrenic disorders, residual type, chronic with acute exacerbation	ICD-9-CM	Diagnosis
295.65	Schizophrenic disorders, residual type, in remission	ICD-9-CM	Diagnosis
295.70	Schizoaffective disorder, unspecified	ICD-9-CM	Diagnosis
295.71	Schizoaffective disorder, subchronic	ICD-9-CM	Diagnosis
295.72	Schizoaffective disorder, chronic	ICD-9-CM	Diagnosis
295.73	Schizoaffective disorder, subchronic with acute exacerbation	ICD-9-CM	Diagnosis
295.74	Schizoaffective disorder, chronic with acute exacerbation	ICD-9-CM	Diagnosis
295.75	Schizoaffective disorder, in remission	ICD-9-CM	Diagnosis
295.80	Other specified types of schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.81	Other specified types of schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.82	Other specified types of schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.83	Other specified types of schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.84	Other specified types of schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.85	Other specified types of schizophrenia, in remission	ICD-9-CM	Diagnosis
295.90	Unspecified schizophrenia, unspecified condition	ICD-9-CM	Diagnosis
295.91	Unspecified schizophrenia, subchronic condition	ICD-9-CM	Diagnosis
295.92	Unspecified schizophrenia, chronic condition	ICD-9-CM	Diagnosis
295.93	Unspecified schizophrenia, subchronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.94	Unspecified schizophrenia, chronic condition with acute exacerbation	ICD-9-CM	Diagnosis
295.95	Unspecified schizophrenia, in remission	ICD-9-CM	Diagnosis
296.00	Bipolar I disorder, single manic episode, unspecified	ICD-9-CM	Diagnosis
296.01	Bipolar I disorder, single manic episode, mild	ICD-9-CM	Diagnosis
296.02	Bipolar I disorder, single manic episode, moderate	ICD-9-CM	Diagnosis
296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.06	Bipolar I disorder, single manic episode, in full remission	ICD-9-CM	Diagnosis
296.10	Manic disorder, recurrent episode, unspecified	ICD-9-CM	Diagnosis
296.11	Manic disorder, recurrent episode, mild	ICD-9-CM	Diagnosis
296.12	Manic disorder, recurrent episode, moderate	ICD-9-CM	Diagnosis
296.13	Manic disorder, recurrent episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.14	Manic disorder, recurrent episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.15	Manic disorder, recurrent episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.16	Manic disorder, recurrent episode, in full remission	ICD-9-CM	Diagnosis
296.20	Major depressive disorder, single episode, unspecified	ICD-9-CM	Diagnosis
296.21	Major depressive disorder, single episode, mild	ICD-9-CM	Diagnosis
296.22	Major depressive disorder, single episode, moderate	ICD-9-CM	Diagnosis
296.23	Major depressive disorder, single episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.24	Major depressive disorder, single episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.25	Major depressive disorder, single episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.26	Major depressive disorder, single episode in full remission	ICD-9-CM	Diagnosis
296.30	Major depressive disorder, recurrent episode, unspecified	ICD-9-CM	Diagnosis
296.31	Major depressive disorder, recurrent episode, mild	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
296.32	Major depressive disorder, recurrent episode, moderate	ICD-9-CM	Diagnosis
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.36	Major depressive disorder, recurrent episode, in full remission	ICD-9-CM	Diagnosis
296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified	ICD-9-CM	Diagnosis
296.41	Bipolar I disorder, most recent episode (or current) manic, mild	ICD-9-CM	Diagnosis
296.42	Bipolar I disorder, most recent episode (or current) manic, moderate	ICD-9-CM	Diagnosis
296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission	ICD-9-CM	Diagnosis
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified	ICD-9-CM	Diagnosis
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	ICD-9-CM	Diagnosis
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	ICD-9-CM	Diagnosis
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	ICD-9-CM	Diagnosis
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified	ICD-9-CM	Diagnosis
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild	ICD-9-CM	Diagnosis
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate	ICD-9-CM	Diagnosis
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior	ICD-9-CM	Diagnosis
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior	ICD-9-CM	Diagnosis
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission	ICD-9-CM	Diagnosis
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission	ICD-9-CM	Diagnosis
296.7	Bipolar I disorder, most recent episode (or current) unspecified	ICD-9-CM	Diagnosis
296.80	Bipolar disorder, unspecified	ICD-9-CM	Diagnosis
296.81	Atypical manic disorder	ICD-9-CM	Diagnosis
296.82	Atypical depressive disorder	ICD-9-CM	Diagnosis
296.89	Other and unspecified bipolar disorders	ICD-9-CM	Diagnosis
296.90	Unspecified episodic mood disorder	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
296.99	Other specified episodic mood disorder	ICD-9-CM	Diagnosis
297.0	Paranoid state, simple	ICD-9-CM	Diagnosis
297.1	Delusional disorder	ICD-9-CM	Diagnosis
297.2	Paraphrenia	ICD-9-CM	Diagnosis
297.3	Shared psychotic disorder	ICD-9-CM	Diagnosis
297.8	Other specified paranoid states	ICD-9-CM	Diagnosis
297.9	Unspecified paranoid state	ICD-9-CM	Diagnosis
298.0	Depressive type psychosis	ICD-9-CM	Diagnosis
298.1	Excitatory type psychosis	ICD-9-CM	Diagnosis
298.2	Reactive confusion	ICD-9-CM	Diagnosis
298.3	Acute paranoid reaction	ICD-9-CM	Diagnosis
298.4	Psychogenic paranoid psychosis	ICD-9-CM	Diagnosis
298.8	Other and unspecified reactive psychosis	ICD-9-CM	Diagnosis
298.9	Unspecified psychosis	ICD-9-CM	Diagnosis
300.00	Anxiety state, unspecified	ICD-9-CM	Diagnosis
300.01	Panic disorder without agoraphobia	ICD-9-CM	Diagnosis
300.02	Generalized anxiety disorder	ICD-9-CM	Diagnosis
300.09	Other anxiety states	ICD-9-CM	Diagnosis
300.10	Hysteria, unspecified	ICD-9-CM	Diagnosis
300.11	Conversion disorder	ICD-9-CM	Diagnosis
300.12	Dissociative amnesia	ICD-9-CM	Diagnosis
300.13	Dissociative fugue	ICD-9-CM	Diagnosis
300.14	Dissociative identity disorder	ICD-9-CM	Diagnosis
300.15	Dissociative disorder or reaction, unspecified	ICD-9-CM	Diagnosis
300.16	Factitious disorder with predominantly psychological signs and symptoms	ICD-9-CM	Diagnosis
300.19	Other and unspecified factitious illness	ICD-9-CM	Diagnosis
300.20	Phobia, unspecified	ICD-9-CM	Diagnosis
300.21	Agoraphobia with panic disorder	ICD-9-CM	Diagnosis
300.22	Agoraphobia without mention of panic attacks	ICD-9-CM	Diagnosis
300.23	Social phobia	ICD-9-CM	Diagnosis
300.29	Other isolated or specific phobias	ICD-9-CM	Diagnosis
300.3	Obsessive-compulsive disorders	ICD-9-CM	Diagnosis
300.4	Dysthymic disorder	ICD-9-CM	Diagnosis
300.5	Neurasthenia	ICD-9-CM	Diagnosis
300.6	Depersonalization disorder	ICD-9-CM	Diagnosis
300.7	Hypochondriasis	ICD-9-CM	Diagnosis
300.81	Somatization disorder	ICD-9-CM	Diagnosis
300.82	Undifferentiated somatoform disorder	ICD-9-CM	Diagnosis
300.89	Other somatoform disorders	ICD-9-CM	Diagnosis
300.9	Unspecified nonpsychotic mental disorder	ICD-9-CM	Diagnosis
301.10	Affective personality disorder, unspecified	ICD-9-CM	Diagnosis
301.12	Chronic depressive personality disorder	ICD-9-CM	Diagnosis
301.13	Cyclothymic disorder	ICD-9-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
301.22	Schizotypal personality disorder	ICD-9-CM	Diagnosis
306.0	Musculoskeletal malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.1	Respiratory malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.2	Cardiovascular malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.3	Skin malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.4	Gastrointestinal malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.50	Psychogenic genitourinary malfunction, unspecified	ICD-9-CM	Diagnosis
306.52	Psychogenic dysmenorrhea	ICD-9-CM	Diagnosis
306.53	Psychogenic dysuria	ICD-9-CM	Diagnosis
306.59	Other genitourinary malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.6	Endocrine malfunction arising from mental factors	ICD-9-CM	Diagnosis
306.7	Malfunction of organs of special sense arising from mental factors	ICD-9-CM	Diagnosis
306.8	Other specified psychophysiological malfunction	ICD-9-CM	Diagnosis
306.9	Unspecified psychophysiological malfunction	ICD-9-CM	Diagnosis
307.80	Psychogenic pain, site unspecified	ICD-9-CM	Diagnosis
307.89	Other pain disorder related to psychological factors	ICD-9-CM	Diagnosis
308.0	Predominant disturbance of emotions	ICD-9-CM	Diagnosis
308.1	Predominant disturbance of consciousness as reaction to stress	ICD-9-CM	Diagnosis
308.2	Predominant psychomotor disturbance as reaction to stress	ICD-9-CM	Diagnosis
308.3	Other acute reactions to stress	ICD-9-CM	Diagnosis
308.4	Mixed disorders as reaction to stress	ICD-9-CM	Diagnosis
308.9	Unspecified acute reaction to stress	ICD-9-CM	Diagnosis
309.0	Adjustment disorder with depressed mood	ICD-9-CM	Diagnosis
309.1	Prolonged depressive reaction as adjustment reaction	ICD-9-CM	Diagnosis
309.24	Adjustment disorder with anxiety	ICD-9-CM	Diagnosis
309.28	Adjustment disorder with mixed anxiety and depressed mood	ICD-9-CM	Diagnosis
309.29	Other adjustment reaction with predominant disturbance of other emotions	ICD-9-CM	Diagnosis
309.3	Adjustment disorder with disturbance of conduct	ICD-9-CM	Diagnosis
309.4	Adjustment disorder with mixed disturbance of emotions and conduct	ICD-9-CM	Diagnosis
309.81	Posttraumatic stress disorder	ICD-9-CM	Diagnosis
309.82	Adjustment reaction with physical symptoms	ICD-9-CM	Diagnosis
309.83	Adjustment reaction with withdrawal	ICD-9-CM	Diagnosis
309.89	Other specified adjustment reaction	ICD-9-CM	Diagnosis
309.9	Unspecified adjustment reaction	ICD-9-CM	Diagnosis
310.81	Pseudobulbar affect	ICD-9-CM	Diagnosis
311	Depressive disorder, not elsewhere classified	ICD-9-CM	Diagnosis
F20.0	Paranoid schizophrenia	ICD-10-CM	Diagnosis
F20.1	Disorganized schizophrenia	ICD-10-CM	Diagnosis
F20.2	Catatonic schizophrenia	ICD-10-CM	Diagnosis
F20.3	Undifferentiated schizophrenia	ICD-10-CM	Diagnosis
F20.5	Residual schizophrenia	ICD-10-CM	Diagnosis
F20.81	Schizophreniform disorder	ICD-10-CM	Diagnosis
F20.89	Other schizophrenia	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F20.9	Schizophrenia, unspecified	ICD-10-CM	Diagnosis
F21	Schizotypal disorder	ICD-10-CM	Diagnosis
F22	Delusional disorders	ICD-10-CM	Diagnosis
F23	Brief psychotic disorder	ICD-10-CM	Diagnosis
F24	Shared psychotic disorder	ICD-10-CM	Diagnosis
F25.0	Schizoaffective disorder, bipolar type	ICD-10-CM	Diagnosis
F25.1	Schizoaffective disorder, depressive type	ICD-10-CM	Diagnosis
F25.8	Other schizoaffective disorders	ICD-10-CM	Diagnosis
F25.9	Schizoaffective disorder, unspecified	ICD-10-CM	Diagnosis
F28	Other psychotic disorder not due to a substance or known physiological condition	ICD-10-CM	Diagnosis
F29	Unspecified psychosis not due to a substance or known physiological condition	ICD-10-CM	Diagnosis
F30.10	Manic episode without psychotic symptoms, unspecified	ICD-10-CM	Diagnosis
F30.11	Manic episode without psychotic symptoms, mild	ICD-10-CM	Diagnosis
F30.12	Manic episode without psychotic symptoms, moderate	ICD-10-CM	Diagnosis
F30.13	Manic episode, severe, without psychotic symptoms	ICD-10-CM	Diagnosis
F30.2	Manic episode, severe with psychotic symptoms	ICD-10-CM	Diagnosis
F30.3	Manic episode in partial remission	ICD-10-CM	Diagnosis
F30.4	Manic episode in full remission	ICD-10-CM	Diagnosis
F30.8	Other manic episodes	ICD-10-CM	Diagnosis
F30.9	Manic episode, unspecified	ICD-10-CM	Diagnosis
F31.0	Bipolar disorder, current episode hypomanic	ICD-10-CM	Diagnosis
F31.10	Bipolar disorder, current episode manic without psychotic features, unspecified	ICD-10-CM	Diagnosis
F31.11	Bipolar disorder, current episode manic without psychotic features, mild	ICD-10-CM	Diagnosis
F31.12	Bipolar disorder, current episode manic without psychotic features, moderate	ICD-10-CM	Diagnosis
F31.13	Bipolar disorder, current episode manic without psychotic features, severe	ICD-10-CM	Diagnosis
F31.2	Bipolar disorder, current episode manic severe with psychotic features	ICD-10-CM	Diagnosis
F31.30	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified	ICD-10-CM	Diagnosis
F31.31	Bipolar disorder, current episode depressed, mild	ICD-10-CM	Diagnosis
F31.32	Bipolar disorder, current episode depressed, moderate	ICD-10-CM	Diagnosis
F31.4	Bipolar disorder, current episode depressed, severe, without psychotic features	ICD-10-CM	Diagnosis
F31.5	Bipolar disorder, current episode depressed, severe, with psychotic features	ICD-10-CM	Diagnosis
F31.60	Bipolar disorder, current episode mixed, unspecified	ICD-10-CM	Diagnosis
F31.61	Bipolar disorder, current episode mixed, mild	ICD-10-CM	Diagnosis
F31.62	Bipolar disorder, current episode mixed, moderate	ICD-10-CM	Diagnosis
F31.63	Bipolar disorder, current episode mixed, severe, without psychotic features	ICD-10-CM	Diagnosis
F31.64	Bipolar disorder, current episode mixed, severe, with psychotic features	ICD-10-CM	Diagnosis
F31.70	Bipolar disorder, currently in remission, most recent episode unspecified	ICD-10-CM	Diagnosis
F31.71	Bipolar disorder, in partial remission, most recent episode hypomanic	ICD-10-CM	Diagnosis
F31.72	Bipolar disorder, in full remission, most recent episode hypomanic	ICD-10-CM	Diagnosis
F31.73	Bipolar disorder, in partial remission, most recent episode manic	ICD-10-CM	Diagnosis
F31.74	Bipolar disorder, in full remission, most recent episode manic	ICD-10-CM	Diagnosis
F31.75	Bipolar disorder, in partial remission, most recent episode depressed	ICD-10-CM	Diagnosis
F31.76	Bipolar disorder, in full remission, most recent episode depressed	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F31.77	Bipolar disorder, in partial remission, most recent episode mixed	ICD-10-CM	Diagnosis
F31.78	Bipolar disorder, in full remission, most recent episode mixed	ICD-10-CM	Diagnosis
F31.81	Bipolar II disorder	ICD-10-CM	Diagnosis
F31.89	Other bipolar disorder	ICD-10-CM	Diagnosis
F31.9	Bipolar disorder, unspecified	ICD-10-CM	Diagnosis
F32.0	Major depressive disorder, single episode, mild	ICD-10-CM	Diagnosis
F32.1	Major depressive disorder, single episode, moderate	ICD-10-CM	Diagnosis
F32.2	Major depressive disorder, single episode, severe without psychotic features	ICD-10-CM	Diagnosis
F32.3	Major depressive disorder, single episode, severe with psychotic features	ICD-10-CM	Diagnosis
F32.4	Major depressive disorder, single episode, in partial remission	ICD-10-CM	Diagnosis
F32.5	Major depressive disorder, single episode, in full remission	ICD-10-CM	Diagnosis
F32.89	Other specified depressive episodes	ICD-10-CM	Diagnosis
F32.9	Major depressive disorder, single episode, unspecified	ICD-10-CM	Diagnosis
F33.0	Major depressive disorder, recurrent, mild	ICD-10-CM	Diagnosis
F33.1	Major depressive disorder, recurrent, moderate	ICD-10-CM	Diagnosis
F33.2	Major depressive disorder, recurrent severe without psychotic features	ICD-10-CM	Diagnosis
F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms	ICD-10-CM	Diagnosis
F33.40	Major depressive disorder, recurrent, in remission, unspecified	ICD-10-CM	Diagnosis
F33.41	Major depressive disorder, recurrent, in partial remission	ICD-10-CM	Diagnosis
F33.42	Major depressive disorder, recurrent, in full remission	ICD-10-CM	Diagnosis
F33.8	Other recurrent depressive disorders	ICD-10-CM	Diagnosis
F33.9	Major depressive disorder, recurrent, unspecified	ICD-10-CM	Diagnosis
F34.1	Dysthymic disorder	ICD-10-CM	Diagnosis
F34.81	Disruptive mood dysregulation disorder	ICD-10-CM	Diagnosis
F34.89	Other specified persistent mood disorders	ICD-10-CM	Diagnosis
F34.9	Persistent mood [affective] disorder, unspecified	ICD-10-CM	Diagnosis
F39	Unspecified mood [affective] disorder	ICD-10-CM	Diagnosis
F40.00	Agoraphobia, unspecified	ICD-10-CM	Diagnosis
F40.01	Agoraphobia with panic disorder	ICD-10-CM	Diagnosis
F40.02	Agoraphobia without panic disorder	ICD-10-CM	Diagnosis
F40.10	Social phobia, unspecified	ICD-10-CM	Diagnosis
F40.11	Social phobia, generalized	ICD-10-CM	Diagnosis
F40.210	Arachnophobia	ICD-10-CM	Diagnosis
F40.218	Other animal type phobia	ICD-10-CM	Diagnosis
F40.220	Fear of thunderstorms	ICD-10-CM	Diagnosis
F40.228	Other natural environment type phobia	ICD-10-CM	Diagnosis
F40.230	Fear of blood	ICD-10-CM	Diagnosis
F40.231	Fear of injections and transfusions	ICD-10-CM	Diagnosis
F40.232	Fear of other medical care	ICD-10-CM	Diagnosis
F40.233	Fear of injury	ICD-10-CM	Diagnosis
F40.240	Claustrophobia	ICD-10-CM	Diagnosis
F40.241	Acrophobia	ICD-10-CM	Diagnosis
F40.242	Fear of bridges	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F40.243	Fear of flying	ICD-10-CM	Diagnosis
F40.248	Other situational type phobia	ICD-10-CM	Diagnosis
F40.290	Androphobia	ICD-10-CM	Diagnosis
F40.291	Gynephobia	ICD-10-CM	Diagnosis
F40.298	Other specified phobia	ICD-10-CM	Diagnosis
F40.8	Other phobic anxiety disorders	ICD-10-CM	Diagnosis
F40.9	Phobic anxiety disorder, unspecified	ICD-10-CM	Diagnosis
F41.0	Panic disorder [episodic paroxysmal anxiety]	ICD-10-CM	Diagnosis
F41.1	Generalized anxiety disorder	ICD-10-CM	Diagnosis
F41.3	Other mixed anxiety disorders	ICD-10-CM	Diagnosis
F41.8	Other specified anxiety disorders	ICD-10-CM	Diagnosis
F41.9	Anxiety disorder, unspecified	ICD-10-CM	Diagnosis
F42	Obsessive-compulsive disorder	ICD-10-CM	Diagnosis
F42.2	Mixed obsessional thoughts and acts	ICD-10-CM	Diagnosis
F42.3	Hoarding disorder	ICD-10-CM	Diagnosis
F42.4	Excoriation (skin-picking) disorder	ICD-10-CM	Diagnosis
F42.8	Other obsessive-compulsive disorder	ICD-10-CM	Diagnosis
F42.9	Obsessive-compulsive disorder, unspecified	ICD-10-CM	Diagnosis
F43.0	Acute stress reaction	ICD-10-CM	Diagnosis
F43.10	Post-traumatic stress disorder, unspecified	ICD-10-CM	Diagnosis
F43.11	Post-traumatic stress disorder, acute	ICD-10-CM	Diagnosis
F43.12	Post-traumatic stress disorder, chronic	ICD-10-CM	Diagnosis
F43.21	Adjustment disorder with depressed mood	ICD-10-CM	Diagnosis
F43.23	Adjustment disorder with mixed anxiety and depressed mood	ICD-10-CM	Diagnosis
F44.89	Other dissociative and conversion disorders	ICD-10-CM	Diagnosis
F44.9	Dissociative and conversion disorder, unspecified	ICD-10-CM	Diagnosis
F45.8	Other somatoform disorders	ICD-10-CM	Diagnosis
F48.8	Other specified nonpsychotic mental disorders	ICD-10-CM	Diagnosis
F48.9	Nonpsychotic mental disorder, unspecified	ICD-10-CM	Diagnosis
Pulmonary Hypertension			
416.0	Primary pulmonary hypertension	ICD-9-CM	Diagnosis
416.8	Other chronic pulmonary heart diseases	ICD-9-CM	Diagnosis
416.9	Unspecified chronic pulmonary heart disease	ICD-9-CM	Diagnosis
I27.0	Primary pulmonary hypertension	ICD-10-CM	Diagnosis
I27.20	Pulmonary hypertension, unspecified	ICD-10-CM	Diagnosis
I27.21	Secondary pulmonary arterial hypertension	ICD-10-CM	Diagnosis
I27.22	Pulmonary hypertension due to left heart disease	ICD-10-CM	Diagnosis
I27.23	Pulmonary hypertension due to lung diseases and hypoxia	ICD-10-CM	Diagnosis
I27.24	Chronic thromboembolic pulmonary hypertension	ICD-10-CM	Diagnosis
I27.29	Other secondary pulmonary hypertension	ICD-10-CM	Diagnosis
I27.81	Cor pulmonale (chronic)	ICD-10-CM	Diagnosis
I27.89	Other specified pulmonary heart diseases	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
I27.9	Pulmonary heart disease, unspecified	ICD-10-CM	Diagnosis
Rheumatoid Arthritis			
714.0	Rheumatoid arthritis	ICD-9-CM	Diagnosis
714.1	Felty's syndrome	ICD-9-CM	Diagnosis
714.2	Other rheumatoid arthritis with visceral or systemic involvement	ICD-9-CM	Diagnosis
714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	ICD-9-CM	Diagnosis
714.31	Polyarticular juvenile rheumatoid arthritis, acute	ICD-9-CM	Diagnosis
714.32	Pauciarticular juvenile rheumatoid arthritis	ICD-9-CM	Diagnosis
714.33	Monoarticular juvenile rheumatoid arthritis	ICD-9-CM	Diagnosis
M05.00	Felty's syndrome, unspecified site	ICD-10-CM	Diagnosis
M05.011	Felty's syndrome, right shoulder	ICD-10-CM	Diagnosis
M05.012	Felty's syndrome, left shoulder	ICD-10-CM	Diagnosis
M05.019	Felty's syndrome, unspecified shoulder	ICD-10-CM	Diagnosis
M05.021	Felty's syndrome, right elbow	ICD-10-CM	Diagnosis
M05.022	Felty's syndrome, left elbow	ICD-10-CM	Diagnosis
M05.029	Felty's syndrome, unspecified elbow	ICD-10-CM	Diagnosis
M05.031	Felty's syndrome, right wrist	ICD-10-CM	Diagnosis
M05.032	Felty's syndrome, left wrist	ICD-10-CM	Diagnosis
M05.039	Felty's syndrome, unspecified wrist	ICD-10-CM	Diagnosis
M05.041	Felty's syndrome, right hand	ICD-10-CM	Diagnosis
M05.042	Felty's syndrome, left hand	ICD-10-CM	Diagnosis
M05.049	Felty's syndrome, unspecified hand	ICD-10-CM	Diagnosis
M05.051	Felty's syndrome, right hip	ICD-10-CM	Diagnosis
M05.052	Felty's syndrome, left hip	ICD-10-CM	Diagnosis
M05.059	Felty's syndrome, unspecified hip	ICD-10-CM	Diagnosis
M05.061	Felty's syndrome, right knee	ICD-10-CM	Diagnosis
M05.062	Felty's syndrome, left knee	ICD-10-CM	Diagnosis
M05.069	Felty's syndrome, unspecified knee	ICD-10-CM	Diagnosis
M05.071	Felty's syndrome, right ankle and foot	ICD-10-CM	Diagnosis
M05.072	Felty's syndrome, left ankle and foot	ICD-10-CM	Diagnosis
M05.079	Felty's syndrome, unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.09	Felty's syndrome, multiple sites	ICD-10-CM	Diagnosis
M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	ICD-10-CM	Diagnosis
M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	ICD-10-CM	Diagnosis
M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	ICD-10-CM	Diagnosis
M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	ICD-10-CM	Diagnosis
M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	ICD-10-CM	Diagnosis
M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	ICD-10-CM	Diagnosis
M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	ICD-10-CM	Diagnosis
M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	ICD-10-CM	Diagnosis
M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	ICD-10-CM	Diagnosis
M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	ICD-10-CM	Diagnosis
M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	ICD-10-CM	Diagnosis
M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	ICD-10-CM	Diagnosis
M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	ICD-10-CM	Diagnosis
M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	ICD-10-CM	Diagnosis
M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	ICD-10-CM	Diagnosis
M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	ICD-10-CM	Diagnosis
M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	ICD-10-CM	Diagnosis
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	ICD-10-CM	Diagnosis
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	ICD-10-CM	Diagnosis
M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	ICD-10-CM	Diagnosis
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	ICD-10-CM	Diagnosis
M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	ICD-10-CM	Diagnosis
M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	ICD-10-CM	Diagnosis
M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	ICD-10-CM	Diagnosis
M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	ICD-10-CM	Diagnosis
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	ICD-10-CM	Diagnosis
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	ICD-10-CM	Diagnosis
M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	ICD-10-CM	Diagnosis
M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	ICD-10-CM	Diagnosis
M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	ICD-10-CM	Diagnosis
M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	ICD-10-CM	Diagnosis
M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	ICD-10-CM	Diagnosis
M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	ICD-10-CM	Diagnosis
M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	ICD-10-CM	Diagnosis
M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	ICD-10-CM	Diagnosis
M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	ICD-10-CM	Diagnosis
M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	ICD-10-CM	Diagnosis
M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	ICD-10-CM	Diagnosis
M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	ICD-10-CM	Diagnosis
M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	ICD-10-CM	Diagnosis
M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	ICD-10-CM	Diagnosis
M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	ICD-10-CM	Diagnosis
M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	ICD-10-CM	Diagnosis
M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	ICD-10-CM	Diagnosis
M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	ICD-10-CM	Diagnosis
M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	ICD-10-CM	Diagnosis
M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	ICD-10-CM	Diagnosis
M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	ICD-10-CM	Diagnosis
M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	ICD-10-CM	Diagnosis
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	ICD-10-CM	Diagnosis
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	ICD-10-CM	Diagnosis
M06.1	Adult-onset Still's disease	ICD-10-CM	Diagnosis
M06.20	Rheumatoid bursitis, unspecified site	ICD-10-CM	Diagnosis
M06.211	Rheumatoid bursitis, right shoulder	ICD-10-CM	Diagnosis
M06.212	Rheumatoid bursitis, left shoulder	ICD-10-CM	Diagnosis
M06.219	Rheumatoid bursitis, unspecified shoulder	ICD-10-CM	Diagnosis
M06.221	Rheumatoid bursitis, right elbow	ICD-10-CM	Diagnosis
M06.222	Rheumatoid bursitis, left elbow	ICD-10-CM	Diagnosis
M06.229	Rheumatoid bursitis, unspecified elbow	ICD-10-CM	Diagnosis
M06.231	Rheumatoid bursitis, right wrist	ICD-10-CM	Diagnosis
M06.232	Rheumatoid bursitis, left wrist	ICD-10-CM	Diagnosis
M06.239	Rheumatoid bursitis, unspecified wrist	ICD-10-CM	Diagnosis
M06.241	Rheumatoid bursitis, right hand	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M06.242	Rheumatoid bursitis, left hand	ICD-10-CM	Diagnosis
M06.249	Rheumatoid bursitis, unspecified hand	ICD-10-CM	Diagnosis
M06.251	Rheumatoid bursitis, right hip	ICD-10-CM	Diagnosis
M06.252	Rheumatoid bursitis, left hip	ICD-10-CM	Diagnosis
M06.259	Rheumatoid bursitis, unspecified hip	ICD-10-CM	Diagnosis
M06.261	Rheumatoid bursitis, right knee	ICD-10-CM	Diagnosis
M06.262	Rheumatoid bursitis, left knee	ICD-10-CM	Diagnosis
M06.269	Rheumatoid bursitis, unspecified knee	ICD-10-CM	Diagnosis
M06.271	Rheumatoid bursitis, right ankle and foot	ICD-10-CM	Diagnosis
M06.272	Rheumatoid bursitis, left ankle and foot	ICD-10-CM	Diagnosis
M06.279	Rheumatoid bursitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M06.28	Rheumatoid bursitis, vertebrae	ICD-10-CM	Diagnosis
M06.29	Rheumatoid bursitis, multiple sites	ICD-10-CM	Diagnosis
M06.30	Rheumatoid nodule, unspecified site	ICD-10-CM	Diagnosis
M06.311	Rheumatoid nodule, right shoulder	ICD-10-CM	Diagnosis
M06.312	Rheumatoid nodule, left shoulder	ICD-10-CM	Diagnosis
M06.319	Rheumatoid nodule, unspecified shoulder	ICD-10-CM	Diagnosis
M06.321	Rheumatoid nodule, right elbow	ICD-10-CM	Diagnosis
M06.322	Rheumatoid nodule, left elbow	ICD-10-CM	Diagnosis
M06.329	Rheumatoid nodule, unspecified elbow	ICD-10-CM	Diagnosis
M06.331	Rheumatoid nodule, right wrist	ICD-10-CM	Diagnosis
M06.332	Rheumatoid nodule, left wrist	ICD-10-CM	Diagnosis
M06.339	Rheumatoid nodule, unspecified wrist	ICD-10-CM	Diagnosis
M06.341	Rheumatoid nodule, right hand	ICD-10-CM	Diagnosis
M06.342	Rheumatoid nodule, left hand	ICD-10-CM	Diagnosis
M06.349	Rheumatoid nodule, unspecified hand	ICD-10-CM	Diagnosis
M06.351	Rheumatoid nodule, right hip	ICD-10-CM	Diagnosis
M06.352	Rheumatoid nodule, left hip	ICD-10-CM	Diagnosis
M06.359	Rheumatoid nodule, unspecified hip	ICD-10-CM	Diagnosis
M06.361	Rheumatoid nodule, right knee	ICD-10-CM	Diagnosis
M06.362	Rheumatoid nodule, left knee	ICD-10-CM	Diagnosis
M06.369	Rheumatoid nodule, unspecified knee	ICD-10-CM	Diagnosis
M06.371	Rheumatoid nodule, right ankle and foot	ICD-10-CM	Diagnosis
M06.372	Rheumatoid nodule, left ankle and foot	ICD-10-CM	Diagnosis
M06.379	Rheumatoid nodule, unspecified ankle and foot	ICD-10-CM	Diagnosis
M06.38	Rheumatoid nodule, vertebrae	ICD-10-CM	Diagnosis
M06.39	Rheumatoid nodule, multiple sites	ICD-10-CM	Diagnosis
M06.80	Other specified rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
M06.811	Other specified rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M06.812	Other specified rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M06.819	Other specified rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M06.821	Other specified rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M06.822	Other specified rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M06.829	Other specified rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M06.831	Other specified rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M06.832	Other specified rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M06.839	Other specified rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M06.841	Other specified rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M06.842	Other specified rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M06.849	Other specified rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M06.851	Other specified rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M06.852	Other specified rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M06.859	Other specified rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M06.861	Other specified rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M06.862	Other specified rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
M06.869	Other specified rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M06.871	Other specified rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M06.872	Other specified rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M06.88	Other specified rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M06.89	Other specified rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
M06.9	Rheumatoid arthritis, unspecified	ICD-10-CM	Diagnosis
M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08.041	Unspecified juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M08.042	Unspecified juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08.051	Unspecified juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M08.052	Unspecified juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08.061	Unspecified juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M08.062	Unspecified juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	ICD-10-CM	Diagnosis
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	ICD-10-CM	Diagnosis
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	ICD-10-CM	Diagnosis
M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	ICD-10-CM	Diagnosis
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	ICD-10-CM	Diagnosis
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	ICD-10-CM	Diagnosis
M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	ICD-10-CM	Diagnosis
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	ICD-10-CM	Diagnosis
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	ICD-10-CM	Diagnosis
M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	ICD-10-CM	Diagnosis
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	ICD-10-CM	Diagnosis
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	ICD-10-CM	Diagnosis
M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	ICD-10-CM	Diagnosis
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	ICD-10-CM	Diagnosis
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	ICD-10-CM	Diagnosis
M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	ICD-10-CM	Diagnosis
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	ICD-10-CM	Diagnosis
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	ICD-10-CM	Diagnosis
M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	ICD-10-CM	Diagnosis
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	ICD-10-CM	Diagnosis
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	ICD-10-CM	Diagnosis
M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	ICD-10-CM	Diagnosis
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	ICD-10-CM	Diagnosis
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	ICD-10-CM	Diagnosis
M08.3	Juvenile rheumatoid polyarthritis (seronegative)	ICD-10-CM	Diagnosis
M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M08.80	Other juvenile arthritis, unspecified site	ICD-10-CM	Diagnosis
M08.811	Other juvenile arthritis, right shoulder	ICD-10-CM	Diagnosis
M08.812	Other juvenile arthritis, left shoulder	ICD-10-CM	Diagnosis
M08.819	Other juvenile arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08.821	Other juvenile arthritis, right elbow	ICD-10-CM	Diagnosis
M08.822	Other juvenile arthritis, left elbow	ICD-10-CM	Diagnosis
M08.829	Other juvenile arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08.831	Other juvenile arthritis, right wrist	ICD-10-CM	Diagnosis
M08.832	Other juvenile arthritis, left wrist	ICD-10-CM	Diagnosis
M08.839	Other juvenile arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08.841	Other juvenile arthritis, right hand	ICD-10-CM	Diagnosis
M08.842	Other juvenile arthritis, left hand	ICD-10-CM	Diagnosis
M08.849	Other juvenile arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08.851	Other juvenile arthritis, right hip	ICD-10-CM	Diagnosis
M08.852	Other juvenile arthritis, left hip	ICD-10-CM	Diagnosis
M08.859	Other juvenile arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08.861	Other juvenile arthritis, right knee	ICD-10-CM	Diagnosis
M08.862	Other juvenile arthritis, left knee	ICD-10-CM	Diagnosis
M08.869	Other juvenile arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08.871	Other juvenile arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08.872	Other juvenile arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08.879	Other juvenile arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M08.88	Other juvenile arthritis, other specified site	ICD-10-CM	Diagnosis
M08.89	Other juvenile arthritis, multiple sites	ICD-10-CM	Diagnosis
M08.90	Juvenile arthritis, unspecified, unspecified site	ICD-10-CM	Diagnosis
M08.911	Juvenile arthritis, unspecified, right shoulder	ICD-10-CM	Diagnosis
M08.912	Juvenile arthritis, unspecified, left shoulder	ICD-10-CM	Diagnosis
M08.919	Juvenile arthritis, unspecified, unspecified shoulder	ICD-10-CM	Diagnosis
M08.921	Juvenile arthritis, unspecified, right elbow	ICD-10-CM	Diagnosis
M08.922	Juvenile arthritis, unspecified, left elbow	ICD-10-CM	Diagnosis
M08.929	Juvenile arthritis, unspecified, unspecified elbow	ICD-10-CM	Diagnosis
M08.931	Juvenile arthritis, unspecified, right wrist	ICD-10-CM	Diagnosis
M08.932	Juvenile arthritis, unspecified, left wrist	ICD-10-CM	Diagnosis
M08.939	Juvenile arthritis, unspecified, unspecified wrist	ICD-10-CM	Diagnosis
M08.941	Juvenile arthritis, unspecified, right hand	ICD-10-CM	Diagnosis
M08.942	Juvenile arthritis, unspecified, left hand	ICD-10-CM	Diagnosis
M08.949	Juvenile arthritis, unspecified, unspecified hand	ICD-10-CM	Diagnosis
M08.951	Juvenile arthritis, unspecified, right hip	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
M08.952	Juvenile arthritis, unspecified, left hip	ICD-10-CM	Diagnosis
M08.959	Juvenile arthritis, unspecified, unspecified hip	ICD-10-CM	Diagnosis
M08.961	Juvenile arthritis, unspecified, right knee	ICD-10-CM	Diagnosis
M08.962	Juvenile arthritis, unspecified, left knee	ICD-10-CM	Diagnosis
M08.969	Juvenile arthritis, unspecified, unspecified knee	ICD-10-CM	Diagnosis
M08.971	Juvenile arthritis, unspecified, right ankle and foot	ICD-10-CM	Diagnosis
M08.972	Juvenile arthritis, unspecified, left ankle and foot	ICD-10-CM	Diagnosis
M08.979	Juvenile arthritis, unspecified, unspecified ankle and foot	ICD-10-CM	Diagnosis
M08.98	Juvenile arthritis, unspecified, vertebrae	ICD-10-CM	Diagnosis
M08.99	Juvenile arthritis, unspecified, multiple sites	ICD-10-CM	Diagnosis
Sickle Cell Disease/Thalassemias			
282.4	Thalassemias	ICD-9-CM	Diagnosis
282.40	Thalassemia, unspecified	ICD-9-CM	Diagnosis
282.41	Sickle-cell thalassemia without crisis	ICD-9-CM	Diagnosis
282.42	Sickle-cell thalassemia with crisis	ICD-9-CM	Diagnosis
282.43	Alpha thalassemia	ICD-9-CM	Diagnosis
282.44	Beta thalassemia	ICD-9-CM	Diagnosis
282.45	Delta-beta thalassemia	ICD-9-CM	Diagnosis
282.46	Thalassemia minor	ICD-9-CM	Diagnosis
282.47	Hemoglobin E-beta thalassemia	ICD-9-CM	Diagnosis
282.49	Other thalassemia	ICD-9-CM	Diagnosis
282.6	Sickle-cell disease	ICD-9-CM	Diagnosis
282.60	Sickle-cell disease, unspecified	ICD-9-CM	Diagnosis
282.61	Hb-SS disease without crisis	ICD-9-CM	Diagnosis
282.62	Hb-SS disease with crisis	ICD-9-CM	Diagnosis
282.63	Sickle-cell/Hb-C disease without crisis	ICD-9-CM	Diagnosis
282.64	Sickle-cell/Hb-C disease with crisis	ICD-9-CM	Diagnosis
282.68	Other sickle-cell disease without crisis	ICD-9-CM	Diagnosis
282.69	Other sickle-cell disease with crisis	ICD-9-CM	Diagnosis
D56.0	Alpha thalassemia	ICD-10-CM	Diagnosis
D56.1	Beta thalassemia	ICD-10-CM	Diagnosis
D56.2	Delta-beta thalassemia	ICD-10-CM	Diagnosis
D56.3	Thalassemia minor	ICD-10-CM	Diagnosis
D56.5	Hemoglobin E-beta thalassemia	ICD-10-CM	Diagnosis
D56.8	Other thalassemias	ICD-10-CM	Diagnosis
D56.9	Thalassemia, unspecified	ICD-10-CM	Diagnosis
D57.00	Hb-SS disease with crisis, unspecified	ICD-10-CM	Diagnosis
D57.01	Hb-SS disease with acute chest syndrome	ICD-10-CM	Diagnosis
D57.02	Hb-SS disease with splenic sequestration	ICD-10-CM	Diagnosis
D57.1	Sickle-cell disease without crisis	ICD-10-CM	Diagnosis
D57.20	Sickle-cell/Hb-C disease without crisis	ICD-10-CM	Diagnosis
D57.211	Sickle-cell/Hb-C disease with acute chest syndrome	ICD-10-CM	Diagnosis
D57.212	Sickle-cell/Hb-C disease with splenic sequestration	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
D57.219	Sickle-cell/Hb-C disease with crisis, unspecified	ICD-10-CM	Diagnosis
D57.40	Sickle-cell thalassemia without crisis	ICD-10-CM	Diagnosis
D57.411	Sickle-cell thalassemia with acute chest syndrome	ICD-10-CM	Diagnosis
D57.412	Sickle-cell thalassemia with splenic sequestration	ICD-10-CM	Diagnosis
D57.419	Sickle-cell thalassemia with crisis, unspecified	ICD-10-CM	Diagnosis
D57.80	Other sickle-cell disorders without crisis	ICD-10-CM	Diagnosis
D57.811	Other sickle-cell disorders with acute chest syndrome	ICD-10-CM	Diagnosis
D57.812	Other sickle-cell disorders with splenic sequestration	ICD-10-CM	Diagnosis
D57.819	Other sickle-cell disorders with crisis, unspecified	ICD-10-CM	Diagnosis
Systemic Lupus Erythematosus			
710.0	Systemic lupus erythematosus	ICD-9-CM	Diagnosis
M32.0	Drug-induced systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	ICD-10-CM	Diagnosis
M32.11	Endocarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.12	Pericarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.13	Lung involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.14	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.19	Other organ or system involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.8	Other forms of systemic lupus erythematosus	ICD-10-CM	Diagnosis
M32.9	Systemic lupus erythematosus, unspecified	ICD-10-CM	Diagnosis
Tobacco Use			
305.1	Nondependent tobacco use disorder	ICD-9-CM	Diagnosis
649.0	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
649.00	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	ICD-9-CM	Diagnosis
649.01	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	ICD-9-CM	Diagnosis
649.02	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	ICD-9-CM	Diagnosis
649.03	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	ICD-9-CM	Diagnosis
649.04	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
F17.200	Nicotine dependence, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F17.201	Nicotine dependence, unspecified, in remission	ICD-10-CM	Diagnosis
F17.203	Nicotine dependence, unspecified, with withdrawal	ICD-10-CM	Diagnosis
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.210	Nicotine dependence, cigarettes, uncomplicated	ICD-10-CM	Diagnosis
F17.211	Nicotine dependence, cigarettes, in remission	ICD-10-CM	Diagnosis
F17.213	Nicotine dependence, cigarettes, with withdrawal	ICD-10-CM	Diagnosis
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	ICD-10-CM	Diagnosis

Appendix L. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions

Code	Description	Code Type	Code Category
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.220	Nicotine dependence, chewing tobacco, uncomplicated	ICD-10-CM	Diagnosis
F17.221	Nicotine dependence, chewing tobacco, in remission	ICD-10-CM	Diagnosis
F17.223	Nicotine dependence, chewing tobacco, with withdrawal	ICD-10-CM	Diagnosis
F17.228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.290	Nicotine dependence, other tobacco product, uncomplicated	ICD-10-CM	Diagnosis
F17.291	Nicotine dependence, other tobacco product, in remission	ICD-10-CM	Diagnosis
F17.293	Nicotine dependence, other tobacco product, with withdrawal	ICD-10-CM	Diagnosis
F17.298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
O99.330	Smoking (tobacco) complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O99.331	Smoking (tobacco) complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O99.332	Smoking (tobacco) complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O99.333	Smoking (tobacco) complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O99.334	Smoking (tobacco) complicating childbirth	ICD-10-CM	Diagnosis
O99.335	Smoking (tobacco) complicating the puerperium	ICD-10-CM	Diagnosis

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001

This request executed the Cohort Identification and Descriptive Analysis (CIDA) module, version 9.6.0, with Propensity Score Analysis module, Signal Identification module, and ad hoc programming to identify cohorts of pregnant women for analysis using the TreeScan software for comparison of fluoroquinolone and cephalosporin exposure in the first trimester.

Query Period: 10/01/2015-12/31/2018 (all deliveries in this range; pregnancy and pre-pregnancy period may start before this)
Coverage Requirement: Medical and Drug Coverage
Enrollment Gap: 45 Days
Enrollment Requirement prior to Delivery Date: 391 Days (301 day delivery length + 90 day pre-pregnancy exposure assessment period)
Enrollment Requirement following Delivery Date: 0 days
Age Restriction: 10-54 years
Sex: Female mothers (default in MIL table), unspecified infants

	Primary Analysis		Sensitivity Analysis - Level 2 Incidence Criteria	
Pregnancy Episode Creation				
Delivery Washout	180 days		180 days	
Pre/Post Term Evaluation Window (days)	7		7	
Pregnancy Duration in Absence of Specific Duration (days)	273		273	
Mother-infant Linkage Requirement	BC, RE, SI, LA, OT		BC, RE, SI, LA, OT	
Allowed Number of Days between Infant Birthdate and Delivery Date	3 days		3 days	
Allowed Gap between Infant Delivery and Enrollment	Any		Any	
Drug/Exposure				
Prevalent Exposure/Comparator Incident with Respect to:	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>
Washout (days)	NA	NA	NA	NA
Exposure Episode Length (ITT)	NA	NA	NA	NA
Cohort Definition	None	None	None	None
Exposure Unit	Cohort includes all valid medical product exposure episodes during a pregnancy episode		Cohort includes all valid medical product exposure episodes during a pregnancy episode	
Evaluation Window	Trimester	Trimester	Trimester	Trimester
Episode Gap	(1,1)	(1,1)	(1,1)	(1,1)
Episode Extension Period	0	0	0	0
Minimum Episode Duration (days)	0	0	0	0
Maximum Episode Duration	1	1	1	1
Minimum Days Supplied	None	None	None	None
Stockpiling	1	1	1	1
	On	On	On	On

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001				
	Primary Analysis		Sensitivity Analysis - Level 2 Incidence Criteria	
Code Supply	1	1	1	1
Inclusion/Exclusion Condition	First trimester exposure to teratogens	First trimester exposure to teratogens	First trimester exposure to teratogens	First trimester exposure to teratogens
Include/Exclude	Exclusion	Exclusion	Exclusion	Exclusion
Evaluation Period	(0, 90)	(0, 90)	(0, 90)	(0, 90)
Code Days	1	1	1	1
RX Parameters	Use days supply	Use days supply	Use days supply	Use days supply
Population to which Inclusion/Exclusion Applies	Mom claims	Mom claims	Mom claims	Mom claims
Index date to Define Inclusion/Exclusion Criteria	Pregnancy start date	Pregnancy start date	Pregnancy start date	Pregnancy start date
Event/Outcome	Infant outcome ICD-10-CM tree		Infant outcome ICD-10-CM tree	
Index Date to Anchor for Outcome Assessment	Pregnancy Delivery Date		Pregnancy Delivery Date	
Evaluation Window	(0,180)		(0,180)	
Care Setting/PDX	Any		Any	
Claims to evaluate outcome	Mother and infant claims		Mother and infant claims	
Incident with Respect to:	Level 3 codes		Level 2 codes	
Incident Care Setting	Any		Any	
Washout (Days)	Minimum of 180 days or time from delivery to outcome code date		Minimum of 180 days or time from delivery to outcome code date	
Blackout Period	NA		NA	
Propensity Score Matching				
Characteristics	3 scenarios: Base model, base model and indications, hdPS (see		1 scenario: Base model and indications (see Characteristics tab)	
Characteristic Evaluation Window	See Characteristics tab		See Characteristics tab	
Index Date for Characteristics and PS Risk Set	Pregnancy start date		Pregnancy start date	
Matching Ratio	1:1		1:1	
Matching Caliper Settings	0.05		0.05	
hdPS Evaluation Window	-90 to 90 days around pregnancy start		NA	
hdPS Characteristics	100 / 200		NA	
Considered/Characteristics Selected				
hdPS Characteristics Selection Method	Based on strength of relationship between exposure and confounders		NA	
hdPS Exclusions	Exclude drug classes: BetaLactam Antibiotics and Quinolone Antibiotics		NA	
Zero Cell Correction	NA		NA	
Code Truncation	4 digits (for ICD-9 and ICD-10 codes)		NA	

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001				
	Sensitivity Analysis - Fixed 1:2 matching		Sensitivity Analysis - Fixed 1:3 Matching	
Pregnancy Episode Creation				
Delivery Washout	180 days		180 days	
Pre/Post Term Evaluation Window	7		7	
Pregnancy Duration in Absence of Specific Duration	273		273	
Mother-infant Linkage Requirement	BC, RE, SI, LA, OT		BC, RE, SI, LA, OT	
Allowed Number of Days between Infant Birthdate and Delivery Date	3 days		3 days	
Allowed Gap between Infant Delivery and Enrollment	Any		Any	
Drug/Exposure				
Prevalent Exposure/Comparator Incident with Respect to:	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>
Washout (days)	NA	NA	NA	NA
Exposure Episode Length (ITT)	None	None	None	None
Cohort Definition	Cohort includes all valid medical product exposure episodes during a pregnancy episode	Cohort includes all valid medical product exposure episodes during a pregnancy episode	Cohort includes all valid medical product exposure episodes during a pregnancy episode	Cohort includes all valid medical product exposure episodes during a pregnancy episode
Exposure Unit	Trimester	Trimester	Trimester	Trimester
Evaluation Window	(1,1)	(1,1)	(1,1)	(1,1)
Episode Gap	0	0	0	0
Episode Extension Period	0	0	0	0
Minimum Episode Duration	1	1	1	1
Maximum Episode Duration	None	None	None	None
Minimum Days Supplied	1	1	1	1
Stockpiling	On	On	On	On
Code Supply	1	1	1	1
Inclusion/Exclusion				
Condition	First trimester exposure to teratogens			
Include/Exclude	Exclusion	Exclusion	Exclusion	Exclusion
Evaluation Period	(0, 90)	(0, 90)	(0, 90)	(0, 90)
Code Days	1	1	1	1
RX Parameters	Use days supply	Use days supply	Use days supply	Use days supply
Population to which Inclusion/Exclusion Applies	Mom claims	Mom claims	Mom claims	Mom claims
Index date to Define Inclusion/Exclusion Criteria	Pregnancy start date	Pregnancy start date	Pregnancy start date	Pregnancy start date

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001		
	Sensitivity Analysis - Fixed 1:2 matching	Sensitivity Analysis - Fixed 1:3 Matching
Event/Outcome	Infant outcome ICD-10-CM tree	Infant outcome ICD-10-CM tree
Index Date to Anchor for Outcome Assessment	Pregnancy Delivery Date	Pregnancy Delivery Date
Evaluation Window	(0,180)	(0,180)
Care Setting/PDX	Any	Any
Claims to evaluate outcome	Mother and infant claims	Mother and infant claims
Incident with Respect to:	Level 3 codes	Level 3 codes
Incident Care Setting	Any	Any
Washout (Days)	Minimum of 180 days or time from delivery to outcome code date	Minimum of 180 days or time from delivery to outcome code date
Blackout Period	NA	NA
Propensity Score Matching		
Characteristics	1 scenario: Base model and indications (see Characteristics tab)	1 scenario: Base model and indications (see Characteristics tab)
Characteristic Evaluation Window	See Characteristics tab	See Characteristics tab
Index Date for Characteristics and PS Risk Set	Pregnancy start date	Pregnancy start date
Matching Ratio	Fixed 1:2	Fixed 1:3
Matching Caliper Settings	0.05	0.05
hdPS Evaluation Window	NA	NA
hdPS Characteristics Considered/Characteristics Selected	NA	NA
hdPS Characteristics Selection Method	NA	NA
hdPS Exclusions	NA	NA
Zero Cell Correction	NA	NA
Code Truncation	NA	NA

	Sensitivity Analysis - Inpatient Outcomes
Pregnancy Episode Creation	
Delivery Washout	180 days
Pre/Post Term Evaluation Window	7
Pregnancy Duration in Absence of Specific Duration	273
Mother-infant Linkage Requirement	BC, RE, SI, LA, OT
Allowed Number of Days between Infant Birthdate and Delivery Date	3 days
Allowed Gap between Infant Delivery and Enrollment	Any

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001		
	Sensitivity Analysis - Inpatient Outcomes	
Drug/Exposure		
Prevalent Exposure/Comparator	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>
Incident with Respect to:	NA	NA
Washout (days)	NA	NA
Exposure Episode Length (ITT)	None	None
Cohort Definition	Cohort includes all valid medical product exposure episodes during a	Cohort includes all valid medical product exposure episodes during a
Exposure Unit	Trimester	Trimester
Evaluation Window	(1,1)	(1,1)
Episode Gap	0	0
Episode Extension Period	0	0
Minimum Episode Duration	1	1
Maximum Episode Duration	None	None
Minimum Days Supplied	1	1
Stockpiling	On	On
Code Supply	1	1
Inclusion/Exclusion		
Condition	First trimester exposure to teratogens	First trimester exposure to teratogens
Include/Exclude	Exclusion	Exclusion
Evaluation Period	(0, 90)	(0, 90)
Code Days	1	1
RX Parameters	Use days supply	Use days supply
Population to which Inclusion/Exclusion Applies	Mom claims	Mom claims
Index date to Define Inclusion/Exclusion Criteria	Pregnancy start date	Pregnancy start date
Event/Outcome	Infant outcome ICD-10-CM tree	
Index Date to Anchor for Outcome Assessment	Pregnancy Delivery Date	
Evaluation Window	(0,180)	
Care Setting/PDX	IP*	
Claims to evaluate outcome	Mother and infant claims	
Incident with Respect to:	Level 3 codes	
Incident Care Setting	Any	
Washout (Days)	Minimum of 180 days or time from delivery to outcome code date	
Blackout Period	NA	

Appendix M. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp001	
	Sensitivity Analysis - Inpatient Outcomes
Propensity Score Matching	
Characteristics	1 scenario: Base model and indications (see Characteristics tab)
Characteristic Evaluation Window	See Characteristics tab
Index Date for Characteristics and PS Risk Set	Pregnancy start date
Matching Ratio	1:1
Matching Caliper Settings	0.05
hdPS Evaluation Window	NA
hdPS Characteristics Considered/Characteristics Selected	NA
hdPS Characteristics Selection Method	NA
hdPS Exclusions	NA
Zero Cell Correction	NA
Code Truncation	NA
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."	

Appendix N. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp002

This request executed the Cohort Identification and Descriptive Analysis (CIDA) module, version 9.6.0, with Propensity Score Analysis module, Signal Identification module, and ad hoc programming to identify cohorts of pregnant women for analysis using the TreeScan software for comparison of fluoroquinolone and cephalosporin exposure in the first trimester.

Query Period: 10/01/2015-03/31/2019 (all deliveries in this range; pregnancy and pre-pregnancy period may start before this)

Coverage Requirement: Medical and Drug Coverage

Enrollment Gap: 45 Days

Enrollment Requirement prior to Delivery Date: 391 Days (301 day delivery length + 90 day pre-pregnancy exposure assessment period)

Enrollment Requirement following Delivery Date: 0 days (180 days in secondary analysis)

Age Restriction: 10-54 years

Sex: Female mothers (default in MIL table), unspecified infants

	Primary Analysis - Poisson		Secondary Analysis - Poisson (Require 180 Days Post-Delivery Enrollment)	
Pregnancy Episode Creation				
Delivery Washout	180 days		180 days	
Pre/Post Term Evaluation Window	7		7	
Pregnancy Duration in Absence of Specific Mother-infant Linkage Requirement	273		273	
Allowed Number of Days between Infant Birthdate and Delivery Date	BC, RE, SI, LA, OT		BC, RE, SI, LA, OT	
Allowed Gap between Infant Delivery and Enrollment	3 days		3 days	
	Any		Any	
Drug/Exposure				
Prevalent Exposure/Comparator Incident with Respect to:	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>	<i>Fluoroquinolones</i>	<i>Cephalosporins</i>
Washout (Days)	NA	NA	NA	NA
Exposure Episode Length (ITT)	NA	NA	NA	NA
Cohort Definition	None	None	None	None
Exposure Unit	Cohort includes all valid medical product exposure episodes during a pregnancy episode		Cohort includes all valid medical product exposure episodes during a pregnancy episode	
Evaluation Window	Trimester	Trimester	Trimester	Trimester
Episode Gap	(1,1)	(1,1)	(1,1)	(1,1)
Episode Extension Period	0	0	0	0
Minimum Episode Duration	0	0	0	0
Maximum Episode Duration	1	1	1	1
	None	None	None	None

Appendix N. Specifications Defining Parameters for this Request: tspreg_mpl2p_wp002				
	Primary Analysis - Poisson		Secondary Analysis - Poisson (Require 180 Days Post-Delivery Enrollment)	
Minimum Days Supplied	1	1	1	1
Stockpiling	On	On	On	On
Code Supply	1	1	1	1
Inclusion/Exclusion Condition	First trimester exposure to teratogens	First trimester exposure to teratogens	First trimester exposure to teratogens	First trimester exposure to teratogens
Include/Exclude	Exclusion	Exclusion	Exclusion	Exclusion
Evaluation Period	(0, 90)	(0, 90)	(0, 90)	(0, 90)
Code Days	1	1	1	1
RX Parameters	Use days supply	Use days supply	Use days supply	Use days supply
Population to which Inclusion/Exclusion Applies	Mom claims	Mom claims	Mom claims	Mom claims
Index Date to Define Inclusion/Exclusion Criteria	Pregnancy start date	Pregnancy start date	Pregnancy start date	Pregnancy start date
Event/Outcome	Infant outcome ICD-10-CM tree		Infant outcome ICD-10-CM tree	
Index Date to Anchor for Outcome Assessment	Pregnancy Delivery Date		Pregnancy Delivery Date	
Evaluation Window	(0,180)		(0,180)	
Care Setting/PDX	Any		Any	
Claims to Evaluate Outcome	Mother and infant claims		Mother and infant claims	
Incident with Respect to:	Level 3 codes		Level 3 codes	
Incident Care Setting	Any		Any	
Washout (Days)	Minimum of 180 days or time from delivery to outcome code date		Minimum of 180 days or time from delivery to outcome code date	
Blackout Period	NA		NA	
Propensity Score Matching	Stratification		Stratification	
Characteristics	3 scenarios: Base model, base model and indications, hdPS (see		3 scenarios: Base model, base model and indications, hdPS (see	
Characteristics Evaluation Window	See Characteristics tab		See Characteristics tab	
Index Date for Characteristics and PS Risk Set	Pregnancy start date		Pregnancy start date	
Matching Ratio	10		10	
Matching Caliper Settings	NA		NA	
hdPS Evaluation Window	-90 to 90 days around pregnancy start		-90 to 90 days around pregnancy start	
hdPS Characteristics Considered/Characteristics Selected	100 / 200		100 / 200	
hdPS Characteristics Selection Method	Based on strength of relationship between exposure and confounders		Based on strength of relationship between exposure and confounders	
hdPS Exclusions	Exclude drug classes: BetaLactam Antibiotics and Quinolone Antibiotics		Exclude drug classes: BetaLactam Antibiotics and Quinolone Antibiotics	
Zero Cell Correction	NA		NA	
Code Truncation	4 digits (for ICD-9 and ICD-10 codes)		4 digits (for ICD-9 and ICD-10 codes)	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360.				
National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."				
*Data not shown.				

Appendix O. CIDA Specifications Defining Characteristics in this Requests: tspreg_mpl2p_wp002

This request used the Cohort Identification and Descriptive Analysis (CIDA) module, version 9.6.0, with Propensity Score Analysis module, Signal Identification module, and ad hoc programming to identify cohorts of pregnant women for analysis using the TreeScan software for comparison of fluoroquinolone and cephalosporin exposure in the first trimester.

Characteristics					
Characteristic Number	Condition	Care Setting	Evaluation Period (Relative to Pregnancy Start)	Number of Instances the Characteristics Should be Found in	Inclusion in PS Model
				Evaluation Period	
Exposure Indications (relative to first exposure dispensing date in first trimester)					
1	Ear, nose, and throat infections	Any	-7, 0	1	Indications model
2	Gastrointestinal infections	Any	-7, 0	1	Indications model
3	Lower respiratory infections	Any	-7, 0	1	Indications model
4	Sexually transmitted infections	Any	-7, 0	1	Indications model
5	Urinary tract infections	Any	-7, 0	1	Indications model
Preexisting Conditions					
6	Alcohol abuse	Any	-90, 90	1	Base model
7	Asthma	Any	-90, 90	1	Base model
8	Cardiac valvular disease	Any	-90, 90	1	Base model
9	Chronic congestive heart failure	Any	-90, 90	1	Base model
10	Chronic ischemic heart disease	Any	-90, 90	1	Base model
11	Chronic liver disease	Any	-90, 90	1	NA
12	Chronic renal disease	Any	-90, 90	1	Base model
13	Cirrhosis	Any	-90, 90	1	NA
14	Congenital heart disease	Any	-90, 90	1	Base model
15	Cystic fibrosis	Any	-90, 90	1	Base model
16	Drug abuse	Any	-90, 90	1	Base model
17	Epilepsy/seizures	Any	-90, 90	1	Base model
18	Hepatic decompensation	Any	-90, 90	1	NA
19	HIV	Any	-90, 90	1	Base model
20	Inflammatory bowel disease	Any	-90, 90	1	Base model
21	Leukemia/lymphoma	Any	-90, 90	1	Base model
22	Obesity	Any	-90, 90	1	Base model
23	Preexisting diabetes	Any	-90, 90	1	Base model
24	Preexisting hypertension	Any	-90, 90	1	Base model
25	Previous cesarean delivery	Any	-90, 90	1	Base model
26	Psychiatric disorders	Any	-90, 90	1	Base model
27	Pulmonary hypertension	Any	-90, 90	1	Base model
28	Rheumatoid arthritis	Any	-90, 90	1	Base model
29	Sickle cell disease/thalassemias	Any	-90, 90	1	Base model
30	Systemic lupus erythematosus	Any	-90, 90	1	Base model
31	Tobacco use	Any	-90, 90	1	Base model
37	End stage renal disease (11 AND 13 AND 18)	Any	-90, 90	1	Base model

Appendix O. CIDA Specifications Defining Characteristics in this Requests: tspreg_mpl2p_wp002

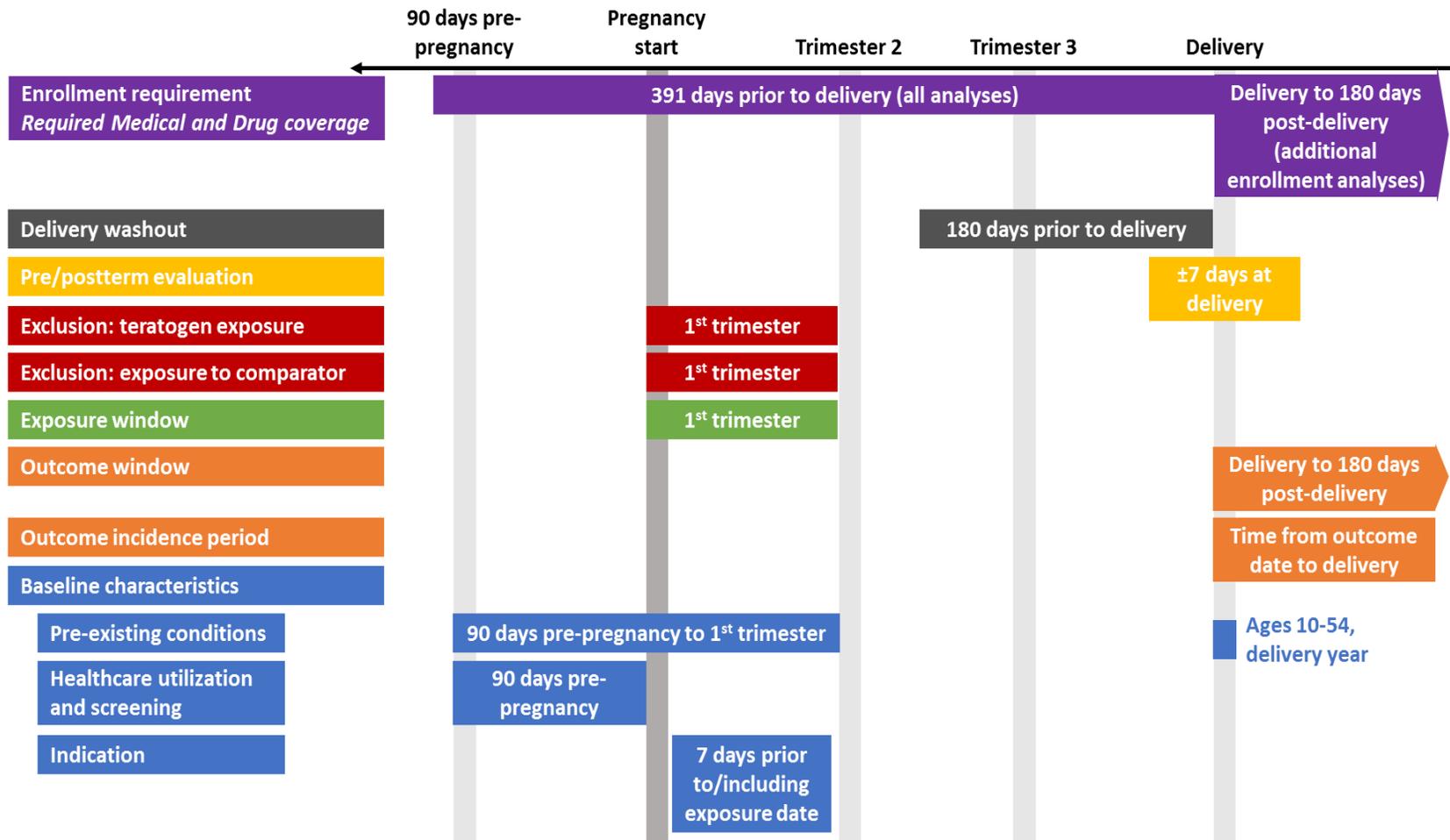
Characteristics

Characteristic Number	Condition	Care Setting	Evaluation Period (Relative to Pregnancy Start)	Number of Instances the Characteristics Should be Found in Evaluation Period	Inclusion in PS Model
Screening					
32	Vaccine administration	Any	-90, -1	N/A	Base model
33	Screening examinations and	Any	-90, -1	N/A	Base model
34	Pap smear	Any	-90, -1	N/A	Base model
35	HPV DNA test	Any	-90, -1	N/A	Base model
36	Fecal occult blood test	Any	-90, -1	N/A	Base model
Healthcare Utilization					
	Number of inpatient encounters	N/A	-90, -1	N/A	Base model
	Number of outpatient	N/A	-90, -1	N/A	Base model
	Number of emergency	N/A	-90, -1	N/A	Base model
	Number of filled generics	N/A	-90, -1	N/A	Base model

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

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

Appendix P. Design Diagram Detailing Cohort Defining Criteria for this Request: tspreg_mpl2p_wp002



Cohort: singleton live-birth deliveries linked to infants

Query Period: October 1, 2015 – March 31, 2019 (all deliveries occurring in this period)