Disclaimer

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

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

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

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

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Overview for Request: cder_mpl1r_wp224

Request ID: cder_mpl1r_wp224

Request Description: In this report, we identified pregnancies exposed to ixekizumab (an interleukin-17A monoclonal antibody) and comparator drugs of interest among females regardless of indication and among females with approved ixekizumab indications in the Sentinel Distributed Database (SDD).

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 11.2.4.

Data Source: We distributed this request to six Sentinel Data Partners (DP) on March 3, 2022. These six Data Partners are a subset of the SDD and include patients with Medicaid coverage but do not include patients with Medicare coverage. The study period included data from March 22, 2016 through June 30, 2021. Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: We identified females between the ages of 15 and 45 years with evidence of a live birth during the study period 1) overall and 2) restricted to those with at least one record for an indication for ixekizumab in their history. Among these two cohorts, we identified pregnancies with evidence of ixekizumab use without use of comparator drugs and comparator drugs without use of ixekizumab by trimester. Comparator drugs included anti-tumor necrosis factor (TNF)-alpha drugs (adalimumab, certolizumab, etanercept, infliximab, golimumab) and interleukin-6 (IL) inhibitor drugs (abatacept, brodalumab, guselkumab, risankizumab, secukinumab, ustekinumab).

To describe baseline characteristics of women whose pregnancies may have been exposed, we created additional cohorts using exposure to each drug of interest as inclusion criteria. Sensitivity analyses that were not restricted to dual ixekizumab-comparator drug users were also performed.

This is a Type 4 analysis in the Query Request Package (QRP) documentation.

Pregnancy Episode Creation: We identified pregnancies ending in a live birth using a claims-based algorithm.[1] This algorithm used International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes indicative of weeks of gestation, and International Classification of Diseases, Ninth Revision, Clinical Modification (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. Pregnancies were excluded from the cohort if there was evidence of a prior delivery in the 301 days before the delivery date of interest. Please see Appendix B for a list of ICD-9-CM and ICD-10-CM codes used in the gestational age algorithm, and Appendix C for codes to define live-born delivery using Current Procedural Terminology, Fourth Edition (CPT-4) procedure codes, and ICD-9-CM and ICD-10-CM codes.

Exposure Identification During Pregnancy: We defined exposure to ixekizumab and comparator drugs as any dispensing or administration of generic and brand name products. Each exposure episode was assigned a forced days supply equal to five times the medical product's half-life to approximate the true biological exposure. Refer to Appendix G for a list of forced supplies for each medical product.

Medical products were captured through National Drug Codes (NDCs) and Healthcare Common Procedure Coding System (HCPS). Products dispensed on the same day of delivery were excluded from the exposure definition. Please refer to Appendix D for a list of generic and brand names used to define medical products.

Baseline Characteristics: In the cohorts defined with medical products of interest as inclusion criteria, we assessed the following characteristics in the 183 days prior to the start of pregnancy and through 301 days after the start of pregnancy: Any psoriasis, plaque psoriasis, psoriatic arthritis, ankylosing spondylitis, non-radiographic axial spondyloarthritis, Crohn's disease, ulcerative colitis, and rheumatoid arthritis. Please see Appendix F for codes used to define baseline characteristics in this request.

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Cohort Eligibility Criteria: To be included in the query, we required pregnancies to be among females continuously enrolled in health plans with medical and drug coverage for at least 484 days prior to their live-birth delivery, during which gaps in coverage of up to 45 days were allowed. The following age groups were included in the cohort: 18-24, 25-34, and 35-45 years. The following cohorts were created:

A. All Ixekizumab-Indicated Pregnancies

A1. Ixekizumab-Indicated Overall: (Results shown in Table 1a and Table 2)

Pregnancies among all eligible females with a record of live-birth delivery during our study period and at least one record of an ixekizumab indication (psoriasis, psoriatic arthritis, ankylosing spondylitis, or active non-radiographic axial spondyloarthritis) in their available medical history through 301 days past the start of pregnancy.

A2. Ixekizumab-Indicated and Exposed: (Results shown in Table 1a)

Pregnancies among eligible females with a record of live-birth delivery during our study period and at least one record of an ixekizumab indication (psoriasis, psoriatic arthritis, ankylosing spondylitis, or active non-radiographic axial spondyloarthritis) in their available medical history through 301 days past the start of pregnancy and evidence of exposure to a medical product of interest from the start of pregnancy through 301 days. Thus, cohorts included:

A2a. pregnancies with evidence of ixekizumab,

A2b. pregnancies with evidence of anti-TNF-alpha products, and

A2c. pregnancies with evidence of IL-inhibitor products.

A3. Ixekizumab-Indicated and Exposed Without Dual Exposure: (Results shown in Table 1b)

Pregnancies among eligible females with a record of live-birth delivery during our study period and at least one record of an ixekizumab indication (psoriasis, psoriatic arthritis, ankylosing spondylitis, or active non-radiographic axial spondyloarthritis) in their available medical history through 301 days past the start of pregnancy and evidence of exposure to a medical product of interest from the start of pregnancy through 301 days and without evidence of exposure to a comparator medical product of interest from the start of pregnancy through 301 days. Thus, cohorts included:

A3a. pregnancies with evidence of ixekizumab and without evidence of a comparator product,

A3b. pregnancies with evidence of anti-TNF-alpha products and wihtout evidence of a comparator product, and

A3c. pregnancies with evidence of IL-inhibitor products and without evidence of a comparator product.

Ixekizumab indications were used as inclusion criteria for cohorts A1-A3. Please see Appendix E for a full list of codes used to define these indications.

B. All pregnancies

B1. Overall: (Results shown in Table 1c and Table 2)

Pregnancies among all eligible females with a record of live-birth delivery during our study period. No additional cohort entry criteria applied.

B2. Exposed: (Results shown in Table 1c)

Pregnancies among eligible females with a record of live-birth delivery during our study period and evidence of exposure to a medical product of interest from the start of pregnancy through 301 days. Cohorts included:

B2a. pregnancies with evidence of ixekizumab,

B2b. pregnancies with evidence of anti-TNF-alpha products, and

B2c. pregnancies with evidence of IL-inhibitor products.

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B3. Exposed Without Dual Exposure: (Results shown in Table 1d)

Pregnancies among eligible females with a record of live-birth delivery during our study period and evidence of exposure to a medical product of interest from the start of pregnancy through 301 days and without evidence of exposure to a comparator medical product of interest from the start of pregnancy through 301 days. Cohorts included:

B3a. pregnancies with evidence of ixekizumab and without evidence of a comparator product,

B3b. pregnancies with evidence of anti-TNF-alpha products and without evidence of a comparator product, and

B3c. pregnancies with evidence of IL-inhibitor products and without evidence of a comparator product.

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

Please see Appendix I for a diagram detailing the design of this request.

Limitations: Algorithms used to estimate pregnancy duration, exposures, and inclusion/exclusion criteria are imperfect; thus, it is possible that there may be misclassification. Data should be interpreted with this limitation in mind.

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

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

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

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

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

- **Ambulatory Visit (AV) -** includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.
- **Emergency Department (ED) -** includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.
- **Inpatient Hospital Stay (IP) -** includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.
- **Non-Acute Institutional Stay (IS) -** includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.
- **Other Ambulatory Visit (OA) -** includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*all terms may not be used in this report

Table 1a. Characteristics of the Ixekizumab-Indicated Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	All Ixekizumab-Indicated Pregnancies	
Mother Characteristics[2]	**Number**	**Percent**
Number of unique patients	13,653	N/A
Number of episodes	14,823	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**
Mean Age (Years)	32.6	5.0
Age (Years)	**Number**	**Percent**
15-24	1,285	8.7%
25-34	8,646	58.3%
35-45	4,892	33.0%
Sex		
Female	13,653	100.0%
Race[3]		
American Indian or Alaska Native	5	0.0%
Asian	108	0.8%
Black or African American	107	0.8%
Native Hawaiian or Other Pacific Islander	11	0.1%
Unknown	12,160	89.1%
White	1,262	9.2%
Hispanic origin		
Yes	169	1.2%
No	390	2.9%
Unknown	13,094	95.9%
Year		
2016	1,652	11.1%
2017	2,570	17.3%
2018	3,003	20.3%
2019	3,202	21.6%
2020	3,080	20.8%
2021	1,316	8.9%
Pregnancy Characteristics	**Number**	**Percent**
Pre-Term (0-258 days)	1,394	9.4%
Term (259-280 days)	9,679	65.3%
Post-Term (281-301 days)	3,484	23.5%
Unknown Term	266	1.8%
	Mean	**Standard Deviation**
Gestational age[4] at delivery	39.4	2.1

Table 1a. Characteristics of the Ixekizumab-Indicated Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	All Ixekizumab-Indicated Pregnancies	
Health Characteristics	**Number**	**Percent**
Any Psoriasis	7,681	51.8%
Plaque Psoriasis	3,357	22.6%
Psoriatic Arthritis	369	2.5%
Ankylosing Spondylitis	693	4.7%
Axial Spondyloarthritis	0	0.0%
Crohns Disease	228	1.5%
Ulcerative Colitis	142	1.0%
Rheumatoid Arthritis	538	3.6%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 1a. Characteristics of the Ixekizumab-Indicated Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1] (continued)

	Ixekizumab-Indicated Pregnancies with Medical Product Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Mother Characteristics[2]	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Number of unique patients	29	N/A	810	N/A	282	N/A
Number of episodes	29	100.0%	863	100.0%	291	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Mean Age (Years)	33.3	5.7	33.0	4.6	32.7	5.6
Age (Years)	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
15-24	3	10.3%	43	5.0%	33	11.3%
25-34	14	48.3%	522	60.5%	154	52.9%
35-45	12	41.4%	298	34.5%	104	35.7%
Sex						
Female	29	100.0%	810	100.0%	282	100.0%
Race[3]						
American Indian or Alaska Native	0	0.0%	0	0.0%	1	0.4%
Asian	0	0.0%	5	0.6%	2	0.7%
Black or African American	0	0.0%	7	0.9%	1	0.4%
Native Hawaiian or Other Pacific Islander	0	0.0%	0	0.0%	0	0.0%
Unknown	26	89.7%	716	88.4%	256	90.8%
White	3	10.3%	82	10.1%	22	7.8%
Hispanic origin						
Yes	1	3.4%	5	0.6%	3	1.1%
No	1	3.4%	16	2.0%	7	2.5%
Unknown	27	93.1%	789	97.4%	272	96.5%
Year						
2016	0	0.0%	97	11.2%	15	5.2%
2017	0	0.0%	158	18.3%	44	15.1%
2018	4	13.8%	172	19.9%	53	18.2%
2019	5	17.2%	165	19.1%	67	23.0%
2020	14	48.3%	187	21.7%	78	26.8%
2021	6	20.7%	84	9.7%	34	11.7%

Table 1a. Characteristics of the Ixekizumab-Indicated Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1] (continued)

	Ixekizumab-Indicated Pregnancies with Medical Product Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Pregnancy Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Pre-Term (0-258 days)	5	17.2%	89	10.3%	30	10.3%
Term (259-280 days)	23	79.3%	569	65.9%	204	70.1%
Post-Term (281-301 days)	1	3.4%	186	21.6%	48	16.5%
Unknown Term	0	0.0%	19	2.2%	9	3.1%
	Mean	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Gestational age[4] at delivery	39.1	1.5	39.4	1.8	39.1	2.4
Health Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Any Psoriasis	27	93.1%	610	70.7%	268	92.1%
Plaque Psoriasis	19	65.5%	304	35.2%	193	66.3%
Psoriatic Arthritis	6	20.7%	168	19.5%	37	12.7%
Ankylosing Spondylitis	0	0.0%	199	23.1%	10	3.4%
Axial Spondyloarthritis	0	0.0%	0	0.0%	0	0.0%
Crohns Disease	0	0.0%	113	13.1%	26	8.9%
Ulcerative Colitis	0	0.0%	52	6.0%	9	3.1%
Rheumatoid Arthritis	0	0.0%	175	20.3%	19	6.5%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 1b. Characteristics of the Ixekizumab-Indicated Exposed Without Dual Exposure Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	Ixekizumab-Indicated Pregnancies with Medical Product Exposure and No Dual Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Mother Characteristics[2]	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Number of unique patients	19	N/A	804	N/A	278	N/A
Number of episodes	19	100.0%	857	100.0%	287	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Mean Age (Years)	33.6	5.4	33.0	4.6	32.6	5.6
Age (Years)	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
15-24	2	10.5%	42	4.9%	33	11.5%
25-34	9	47.4%	519	60.6%	152	53.0%
35-45	8	42.1%	296	34.5%	102	35.5%
Sex						
Female	19	100.0%	804	100.0%	278	100.0%
Race[3]						
American Indian or Alaska Native	0	0.0%	0	0.0%	1	0.4%
Asian	0	0.0%	5	0.6%	2	0.7%
Black or African American	0	0.0%	7	0.9%	1	0.4%
Native Hawaiian or Other Pacific Islander	0	0.0%	0	0.0%	0	0.0%
Unknown	17	89.5%	711	88.4%	252	90.6%
White	2	10.5%	81	10.1%	22	7.9%
Hispanic origin						
Yes	1	5.3%	5	0.6%	2	0.7%
No	1	5.3%	16	2.0%	7	2.5%
Unknown	17	89.5%	783	97.4%	269	96.8%
Year						
2016	0	0.0%	97	11.3%	15	5.2%
2017	0	0.0%	158	18.4%	44	15.3%
2018	3	15.8%	172	20.1%	53	18.5%
2019	2	10.5%	163	19.0%	67	23.3%
2020	10	52.6%	184	21.5%	76	26.5%
2021	4	21.1%	83	9.7%	32	11.1%

Table 1b. Characteristics of the Ixekizumab-Indicated Exposed Without Dual Exposure Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	Ixekizumab-Indicated Pregnancies with Medical Product Exposure and No Dual Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Pregnancy Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Pre-Term (0-258 days)	3	15.8%	87	10.2%	30	10.5%
Term (259-280 days)	16	84.2%	566	66.0%	200	69.7%
Post-Term (281-301 days)	0	0.0%	185	21.6%	48	16.7%
Unknown Term	0	0.0%	19	2.2%	9	3.1%
	Mean	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Gestational age[4] at delivery	39.1	1.1	39.4	1.8	39.1	2.4
Health Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Any Psoriasis	17	89.5%	604	70.5%	264	92.0%
Plaque Psoriasis	12	63.2%	299	34.9%	191	66.6%
Psoriatic Arthritis	3	15.8%	168	19.6%	35	12.2%
Ankylosing Spondylitis	0	0.0%	199	23.2%	10	3.5%
Axial Spondyloarthritis	0	0.0%	0	0.0%	0	0.0%
Crohns Disease	0	0.0%	113	13.2%	26	9.1%
Ulcerative Colitis	0	0.0%	52	6.1%	9	3.1%
Rheumatoid Arthritis	0	0.0%	175	20.4%	19	6.6%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 1c. Characteristics of the Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	All Pregnancies	
Mother Characteristics[2]	**Number**	**Percent**
Number of unique patients	1,090,088	N/A
Number of episodes	1,206,378	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**
Mean Age (Years)	31.1	5.3
Age (Years)	**Number**	**Percent**
15-24	182,268	15.1%
25-34	730,402	60.5%
35-45	293,708	24.3%
Sex		
Female	1,090,088	100.0%
Race[3]		
American Indian or Alaska Native	513	0.0%
Asian	9,931	0.9%
Black or African American	27,733	2.5%
Native Hawaiian or Other Pacific Islander	573	0.1%
Unknown	961,560	88.2%
White	89,778	8.2%
Hispanic origin		
Yes	12,538	1.2%
No	53,695	4.9%
Unknown	1,023,855	93.9%
Year		
2016	196,275	16.3%
2017	244,073	20.2%
2018	242,297	20.1%
2019	236,014	19.6%
2020	203,312	16.9%
2021	84,407	7.0%
Pregnancy Characteristics	**Number**	**Percent**
Pre-Term (0-258 days)	103,722	8.6%
Term (259-280 days)	780,800	64.7%
Post-Term (281-301 days)	299,439	24.8%
Unknown Term	22,417	1.9%
	Mean	**Standard Deviation**
Gestational age[4] at delivery	39.5	2.1

Table 1c. Characteristics of the Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	All Pregnancies	
Health Characteristics	**Number**	**Percent**
Any Psoriasis	7,681	0.6%
Plaque Psoriasis	3,357	0.3%
Psoriatic Arthritis	369	0.0%
Ankylosing Spondylitis	693	0.1%
Axial Spondyloarthritis	0	0.0%
Crohns Disease	3,900	0.3%
Ulcerative Colitis	4,085	0.3%
Rheumatoid Arthritis	5,425	0.4%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 1c. Characteristics of the Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1] (continued)

	Pregnancies with Medical Product Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Mother Characteristics[2]	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Number of unique patients	29	N/A	2,940	N/A	453	N/A
Number of episodes	29	100.0%	3,144	100.0%	465	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Mean Age (Years)	33.3	5.7	32.5	4.8	32.5	5.5
Age (Years)	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
15-24	3	10.3%	227	7.2%	54	11.6%
25-34	14	48.3%	1,952	62.1%	253	54.4%
35-45	12	41.4%	965	30.7%	158	34.0%
Sex						
Female	29	100.0%	2,940	100.0%	453	100.0%
Race[3]						
American Indian or Alaska Native	0	0.0%	2	0.1%	1	0.2%
Asian	0	0.0%	13	0.4%	2	0.4%
Black or African American	0	0.0%	38	1.3%	1	0.2%
Native Hawaiian or Other Pacific Islander	0	0.0%	0	0.0%	0	0.0%
Unknown	26	89.7%	2,611	88.8%	417	92.1%
White	3	10.3%	276	9.4%	32	7.1%
Hispanic origin						
Yes	1	3.4%	24	0.8%	4	0.9%
No	1	3.4%	68	2.3%	10	2.2%
Unknown	27	93.1%	2,848	96.9%	439	96.9%
Year						
2016	0	0.0%	385	12.2%	28	6.0%
2017	0	0.0%	562	17.9%	71	15.3%
2018	4	13.8%	644	20.5%	74	15.9%
2019	5	17.2%	601	19.1%	105	22.6%
2020	14	48.3%	654	20.8%	124	26.7%
2021	6	20.7%	298	9.5%	63	13.5%

Table 1c. Characteristics of the Overall and Exposed Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1] (continued)

	Pregnancies with Medical Product Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Pregnancy Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Pre-Term (0-258 days)	5	17.2%	338	10.8%	52	11.2%
Term (259-280 days)	23	79.3%	2,086	66.3%	328	70.5%
Post-Term (281-301 days)	1	3.4%	635	20.2%	67	14.4%
Unknown Term	0	0.0%	85	2.7%	18	3.9%
	Mean	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Gestational age[4] at delivery	39.1	1.5	39.3	2.1	39.1	2.2
Health Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Any Psoriasis	27	93.1%	610	19.4%	268	57.6%
Plaque Psoriasis	19	65.5%	304	9.7%	193	41.5%
Psoriatic Arthritis	6	20.7%	168	5.3%	37	8.0%
Ankylosing Spondylitis	0	0.0%	199	6.3%	10	2.2%
Axial Spondyloarthritis	0	0.0%	0	0.0%	0	0.0%
Crohns Disease	0	0.0%	1,160	36.9%	127	27.3%
Ulcerative Colitis	0	0.0%	645	20.5%	31	6.7%
Rheumatoid Arthritis	0	0.0%	959	30.5%	79	17.0%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 1d. Characteristics of the Overall and Exposed Without Dual Exposure Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	Pregnancies with Medical Product Exposure and No Dual Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Mother Characteristics[2]	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Number of unique patients	19	N/A	2,934	N/A	453	N/A
Number of episodes	19	100.0%	3,138	100.0%	465	100.0%
Demographic Characteristics	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Mean Age (Years)	33.6	5.4	32.5	4.7	32.5	5.5
Age (Years)	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
15-24	2	10.5%	226	7.2%	54	11.6%
25-34	9	47.4%	1,949	62.1%	253	54.4%
35-45	8	42.1%	963	30.7%	158	34.0%
Sex						
Female	19	100.0%	2,934	100.0%	453	100.0%
Race[3]						
American Indian or Alaska Native	0	0.0%	2	0.1%	1	0.2%
Asian	0	0.0%	13	0.4%	2	0.4%
Black or African American	0	0.0%	38	1.3%	1	0.2%
Native Hawaiian or Other Pacific Islander	0	0.0%	0	0.0%	0	0.0%
Unknown	17	89.5%	2,606	88.8%	417	92.1%
White	2	10.5%	275	9.4%	32	7.1%
Hispanic origin						
Yes	1	5.3%	24	0.8%	4	0.9%
No	1	5.3%	68	2.3%	10	2.2%
Unknown	17	89.5%	2,842	96.9%	439	96.9%
Year						
2016	0	0.0%	385	12.3%	28	6.0%
2017	0	0.0%	562	17.9%	71	15.3%
2018	3	15.8%	644	20.5%	74	15.9%
2019	2	10.5%	599	19.1%	105	22.6%
2020	10	52.6%	651	20.7%	124	26.7%
2021	4	21.1%	297	9.5%	63	13.5%

Table 1d. Characteristics of the Overall and Exposed Without Dual Exposure Pregnancy Cohorts in the Sentinel Distributed Database (SDD) from March 22, 2016 to June 30, 2021[1]

	Pregnancies with Medical Product Exposure and No Dual Exposure from Pregnancy Start through 301 Days					
	Medical Product: Ixekizumab		Medical Product: Anti-TNF-Alpha		Medical Product: IL-Inhibitor	
Pregnancy Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Pre-Term (0-258 days)	3	15.8%	336	10.7%	52	11.2%
Term (259-280 days)	16	84.2%	2,083	66.4%	328	70.5%
Post-Term (281-301 days)	0	0.0%	634	20.2%	67	14.4%
Unknown Term	0	0.0%	85	2.7%	18	3.9%
	Mean	**Standard Deviation**	**Mean**	**Standard Deviation**	**Mean**	**Standard Deviation**
Gestational age[4] at delivery	39.1	1.1	39.3	2.1	39.1	2.2
Health Characteristics	**Number**	**Percent**	**Number**	**Percent**	**Number**	**Percent**
Any Psoriasis	17	89.5%	604	19.2%	268	57.6%
Plaque Psoriasis	12	63.2%	299	9.5%	193	41.5%
Psoriatic Arthritis	3	15.8%	168	5.4%	37	8.0%
Ankylosing Spondylitis	0	0.0%	199	6.3%	10	2.2%
Axial Spondyloarthritis	0	0.0%	0	0.0%	0	0.0%
Crohns Disease	0	0.0%	1,160	37.0%	127	27.3%
Ulcerative Colitis	0	0.0%	645	20.6%	31	6.7%
Rheumatoid Arthritis	0	0.0%	959	30.6%	79	17.0%

[1]Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

[2]All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

[3]Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

[4]Gestational 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 pre-term and post-term 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.

Table 2a. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, Overall

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pregnant Cohort With Indication(s) for Ixekizumab (N = 14,823)										
Ixekizumab	**28**	**0.2%**	**29**	**0.2%**	**29**	**0.2%**	**14**	**0.1%**	**5**	**0.0%**
Anti-TNF- α Drugs	**855**	**5.8%**	**850**	**5.7%**	**808**	**5.5%**	**617**	**4.2%**	**501**	**3.4%**
Adalimumab	434	2.9%	407	2.7%	401	2.7%	307	2.1%	198	1.3%
Certolizumab	130	0.9%	200	1.3%	156	1.1%	157	1.1%	154	1.0%
Etanercept	182	1.2%	169	1.1%	157	1.1%	83	0.6%	77	0.5%
Infliximab	97	0.7%	94	0.6%	91	0.6%	71	0.5%	67	0.5%
Golimumab	32	0.2%	31	0.2%	30	0.2%	18	0.1%	14	0.1%
IL-Inhibitor Drugs	**301**	**2.0%**	**284**	**1.9%**	**274**	**1.8%**	**227**	**1.5%**	**122**	**0.8%**
Abatacept	8	0.1%	7	0.0%	7	0.0%	4	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	18	0.1%	16	0.1%	15	0.1%	12	0.1%	3	0.0%
Risankizumab	81	0.5%	80	0.5%	78	0.5%	68	0.5%	32	0.2%
Secukinumab	192	1.3%	177	1.2%	169	1.1%	137	0.9%	87	0.6%
Ustenkinumab	8	0.1%	7	0.0%	7	0.0%	6	0.0%	1	0.0%
All Eligible Pregnancies (N = 1,206,378)										
Ixekizumab	**28**	**0.0%**	**29**	**0.0%**	**29**	**0.0%**	**14**	**0.0%**	**5**	**0.0%**
Anti-TNF- α Drugs	**3,047**	**0.3%**	**3,098**	**0.3%**	**2,930**	**0.2%**	**2,485**	**0.2%**	**2,223**	**0.2%**
Adalimumab	1,369	0.1%	1,330	0.1%	1,282	0.1%	1,074	0.1%	863	0.1%
Certolizumab	407	0.0%	558	0.0%	448	0.0%	451	0.0%	435	0.0%
Etanercept	432	0.0%	412	0.0%	381	0.0%	195	0.0%	175	0.0%
Infliximab	777	0.1%	799	0.1%	766	0.1%	719	0.1%	695	0.1%
Golimumab	118	0.0%	117	0.0%	109	0.0%	79	0.0%	64	0.0%

Table 2a. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, Overall

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**461**	**0.0%**	**455**	**0.0%**	**434**	**0.0%**	**378**	**0.0%**	**234**	**0.0%**
Abatacept	76	0.0%	74	0.0%	69	0.0%	54	0.0%	16	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	18	0.0%	16	0.0%	15	0.0%	12	0.0%	3	0.0%
Risankizumab	81	0.0%	80	0.0%	78	0.0%	68	0.0%	32	0.0%
Secukinumab	284	0.0%	281	0.0%	267	0.0%	238	0.0%	183	0.0%
Ustenkinumab	8	0.0%	7	0.0%	7	0.0%	6	0.0%	1	0.0%

[1]Use in the pre-pregnancy period does qualify use during the pregnancy and is not included in the "any trimester" metric.

[2]Displayed percentages represent the number of pregnancy episodes with evidence of the exposure of interest as a proportion of all pregnancy episodes.

Table 2a. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, Overall (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pregnant Cohort With Indication(s) for Ixekizumab (N = 14,823)								
Ixekizumab	**4**	**0.0%**	**14**	**0.1%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**448**	**3.0%**	**197**	**1.3%**	**4**	**0.0%**	**21**	**0.1%**
Adalimumab	190	1.3%	94	0.6%	1	0.0%	3	0.0%
Certolizumab	111	0.8%	24	0.2%	1	0.0%	19	0.1%
Etanercept	60	0.4%	73	0.5%	2	0.0%	6	0.0%
Infliximab	62	0.4%	21	0.1%	0	0.0%	0	0.0%
Golimumab	13	0.1%	12	0.1%	0	0.0%	1	0.0%
IL-Inhibitor Drugs	**109**	**0.7%**	**49**	**0.3%**	**0**	**0.0%**	**5**	**0.0%**
Abatacept	0	0.0%	3	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	2	0.0%	4	0.0%	0	0.0%	0	0.0%
Risankizumab	30	0.2%	11	0.1%	0	0.0%	1	0.0%
Secukinumab	76	0.5%	32	0.2%	0	0.0%	5	0.0%
Ustenkinumab	1	0.0%	1	0.0%	0	0.0%	0	0.0%
All Eligible Pregnancies (N = 1,206,378)								
Ixekizumab	**4**	**0.0%**	**14**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**2,024**	**0.2%**	**502**	**0.0%**	**14**	**0.0%**	**66**	**0.0%**
Adalimumab	804	0.1%	222	0.0%	2	0.0%	21	0.0%
Certolizumab	326	0.0%	67	0.0%	2	0.0%	39	0.0%
Etanercept	133	0.0%	186	0.0%	9	0.0%	11	0.0%
Infliximab	659	0.1%	64	0.0%	2	0.0%	11	0.0%
Golimumab	56	0.0%	35	0.0%	0	0.0%	3	0.0%

Table 2a. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, Overall (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**210**	**0.0%**	**68**	**0.0%**	**0**	**0.0%**	**6**	**0.0%**
Abatacept	11	0.0%	20	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	2	0.0%	4	0.0%	0	0.0%	0	0.0%
Risankizumab	30	0.0%	11	0.0%	0	0.0%	1	0.0%
Secukinumab	166	0.0%	34	0.0%	0	0.0%	6	0.0%
Ustenkinumab	1	0.0%	1	0.0%	0	0.0%	0	0.0%

[1]Use in the pre-pregnancy period does qualify use during the pregnancy and is not included in the "any trimester" metric.

[2]Displayed percentages represent the number of pregnancy episodes with evidence of the exposure of interest as a proportion of all pregnancy episodes.

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pregnant Cohort With Indication(s) for Ixekizumab										
2016 (N = 1,652)										
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**97**	**5.9%**	**94**	**5.7%**	**90**	**5.4%**	**62**	**3.8%**	**52**	**3.2%**
Adalimumab	42	2.5%	42	2.5%	41	2.5%	31	1.9%	24	1.5%
Certolizumab	3	0.2%	5	0.3%	3	0.2%	3	0.2%	4	0.2%
Etanercept	31	1.9%	28	1.7%	27	1.6%	14	0.8%	10	0.6%
Infliximab	13	0.8%	12	0.7%	11	0.7%	9	0.5%	10	0.6%
Golimumab	9	0.5%	8	0.5%	8	0.5%	6	0.4%	5	0.3%
IL-Inhibitor Drugs	**16**	**1.0%**	**13**	**0.8%**	**12**	**0.7%**	**9**	**0.5%**	**2**	**0.1%**
Abatacept	1	0.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	2	0.1%	2	0.1%	2	0.1%	2	0.1%	0	0.0%
Secukinumab	14	0.8%	12	0.7%	11	0.7%	7	0.4%	2	0.1%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2017 (N = 2,570)										
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**164**	**6.4%**	**158**	**6.1%**	**151**	**5.9%**	**111**	**4.3%**	**89**	**3.5%**
Adalimumab	83	3.2%	76	3.0%	74	2.9%	55	2.1%	33	1.3%
Certolizumab	15	0.6%	21	0.8%	18	0.7%	18	0.7%	19	0.7%
Etanercept	43	1.7%	42	1.6%	39	1.5%	18	0.7%	18	0.7%
Infliximab	22	0.9%	25	1.0%	23	0.9%	18	0.7%	16	0.6%
Golimumab	5	0.2%	6	0.2%	5	0.2%	4	0.2%	5	0.2%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**49**	**1.9%**	**44**	**1.7%**	**42**	**1.6%**	**35**	**1.4%**	**21**	**0.8%**
Abatacept	3	0.1%	4	0.2%	4	0.2%	2	0.1%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	4	0.2%	4	0.2%	4	0.2%	3	0.1%	2	0.1%
Secukinumab	42	1.6%	36	1.4%	34	1.3%	30	1.2%	19	0.7%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2018 (N = 3,003)										
Ixekizumab	**3**	**0.1%**	**4**	**0.1%**	**4**	**0.1%**	**3**	**0.1%**	**1**	**0.0%**
Anti-TNF- α Drugs	**179**	**6.0%**	**168**	**5.6%**	**163**	**5.4%**	**112**	**3.7%**	**81**	**2.7%**
Adalimumab	109	3.6%	99	3.3%	99	3.3%	71	2.4%	41	1.4%
Certolizumab	11	0.4%	21	0.7%	13	0.4%	15	0.5%	16	0.5%
Etanercept	38	1.3%	34	1.1%	33	1.1%	13	0.4%	12	0.4%
Infliximab	21	0.7%	21	0.7%	21	0.7%	15	0.5%	16	0.5%
Golimumab	5	0.2%	3	0.1%	3	0.1%	1	0.0%	0	0.0%
IL-Inhibitor Drugs	**56**	**1.9%**	**52**	**1.7%**	**51**	**1.7%**	**43**	**1.4%**	**24**	**0.8%**
Abatacept	1	0.0%	2	0.1%	2	0.1%	2	0.1%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	17	0.6%	18	0.6%	18	0.6%	17	0.6%	6	0.2%
Secukinumab	39	1.3%	33	1.1%	32	1.1%	24	0.8%	18	0.6%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2019 (N = 3,202)										
Ixekizumab	**4**	**0.1%**	**5**	**0.2%**	**5**	**0.2%**	**2**	**0.1%**	**0**	**0.0%**
Anti-TNF-α Drugs	**166**	**5.2%**	**162**	**5.1%**	**154**	**4.8%**	**121**	**3.8%**	**95**	**3.0%**
Adalimumab	82	2.6%	75	2.3%	75	2.3%	61	1.9%	38	1.2%
Certolizumab	26	0.8%	48	1.5%	36	1.1%	36	1.1%	32	1.0%
Etanercept	34	1.1%	30	0.9%	26	0.8%	14	0.4%	16	0.5%
Infliximab	22	0.7%	17	0.5%	17	0.5%	13	0.4%	10	0.3%
Golimumab	7	0.2%	6	0.2%	6	0.2%	2	0.1%	1	0.0%
IL-Inhibitor Drugs	**70**	**2.2%**	**66**	**2.1%**	**63**	**2.0%**	**52**	**1.6%**	**33**	**1.0%**
Abatacept	3	0.1%	1	0.0%	1	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	5	0.2%	5	0.2%	4	0.1%	3	0.1%	2	0.1%
Risankizumab	24	0.7%	25	0.8%	23	0.7%	22	0.7%	12	0.4%
Secukinumab	39	1.2%	35	1.1%	35	1.1%	27	0.8%	19	0.6%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2020 (N = 3,080)										
Ixekizumab	**15**	**0.5%**	**14**	**0.5%**	**14**	**0.5%**	**6**	**0.2%**	**2**	**0.1%**
Anti-TNF-α Drugs	**171**	**5.6%**	**185**	**6.0%**	**172**	**5.6%**	**144**	**4.7%**	**125**	**4.1%**
Adalimumab	82	2.7%	79	2.6%	76	2.5%	60	1.9%	40	1.3%
Certolizumab	47	1.5%	69	2.2%	55	1.8%	57	1.9%	56	1.8%
Etanercept	29	0.9%	31	1.0%	28	0.9%	20	0.6%	17	0.6%
Infliximab	12	0.4%	12	0.4%	12	0.4%	10	0.3%	10	0.3%
Golimumab	5	0.2%	7	0.2%	7	0.2%	5	0.2%	3	0.1%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**71**	**2.3%**	**75**	**2.4%**	**73**	**2.4%**	**60**	**1.9%**	**27**	**0.9%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	10	0.3%	10	0.3%	10	0.3%	8	0.3%	1	0.0%
Risankizumab	25	0.8%	23	0.7%	23	0.7%	17	0.6%	8	0.3%
Secukinumab	36	1.2%	39	1.3%	36	1.2%	31	1.0%	19	0.6%
Ustenkinumab	2	0.1%	4	0.1%	4	0.1%	4	0.1%	0	0.0%
2021 (N = 1,316)										
Ixekizumab	**6**	**0.5%**	**6**	**0.5%**	**6**	**0.5%**	**3**	**0.2%**	**2**	**0.2%**
Anti-TNF- α Drugs	**78**	**5.9%**	**83**	**6.3%**	**78**	**5.9%**	**67**	**5.1%**	**59**	**4.5%**
Adalimumab	36	2.7%	36	2.7%	36	2.7%	29	2.2%	22	1.7%
Certolizumab	28	2.1%	36	2.7%	31	2.4%	28	2.1%	27	2.1%
Etanercept	7	0.5%	4	0.3%	4	0.3%	4	0.3%	4	0.3%
Infliximab	7	0.5%	7	0.5%	7	0.5%	6	0.5%	5	0.4%
Golimumab	1	0.1%	1	0.1%	1	0.1%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**39**	**3.0%**	**34**	**2.6%**	**33**	**2.5%**	**28**	**2.1%**	**15**	**1.1%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	2	0.2%	1	0.1%	1	0.1%	1	0.1%	0	0.0%
Risankizumab	9	0.7%	8	0.6%	8	0.6%	7	0.5%	4	0.3%
Secukinumab	22	1.7%	22	1.7%	21	1.6%	18	1.4%	10	0.8%
Ustenkinumab	6	0.5%	3	0.2%	3	0.2%	2	0.2%	1	0.1%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Eligible Pregnancies										
2016 (N = 196,275)										
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**385**	**0.2%**	**380**	**0.2%**	**357**	**0.2%**	**280**	**0.1%**	**258**	**0.1%**
Adalimumab	160	0.1%	148	0.1%	143	0.1%	116	0.1%	98	0.1%
Certolizumab	26	0.0%	38	0.0%	27	0.0%	28	0.0%	29	0.0%
Etanercept	77	0.0%	67	0.0%	65	0.0%	25	0.0%	23	0.0%
Infliximab	109	0.1%	117	0.1%	108	0.1%	103	0.1%	101	0.1%
Golimumab	18	0.0%	18	0.0%	17	0.0%	13	0.0%	9	0.0%
IL-Inhibitor Drugs	**26**	**0.0%**	**25**	**0.0%**	**22**	**0.0%**	**20**	**0.0%**	**6**	**0.0%**
Abatacept	10	0.0%	10	0.0%	8	0.0%	9	0.0%	3	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	2	0.0%	2	0.0%	2	0.0%	2	0.0%	0	0.0%
Secukinumab	15	0.0%	14	0.0%	13	0.0%	9	0.0%	3	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2017 (N = 244,073)										
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**545**	**0.2%**	**554**	**0.2%**	**517**	**0.2%**	**441**	**0.2%**	**384**	**0.2%**
Adalimumab	258	0.1%	265	0.1%	246	0.1%	211	0.1%	168	0.1%
Certolizumab	54	0.0%	62	0.0%	55	0.0%	53	0.0%	45	0.0%
Etanercept	88	0.0%	86	0.0%	76	0.0%	41	0.0%	40	0.0%
Infliximab	142	0.1%	143	0.1%	138	0.1%	128	0.1%	120	0.0%
Golimumab	17	0.0%	17	0.0%	15	0.0%	11	0.0%	11	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**70**	**0.0%**	**70**	**0.0%**	**65**	**0.0%**	**55**	**0.0%**	**31**	**0.0%**
Abatacept	22	0.0%	23	0.0%	21	0.0%	15	0.0%	4	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	4	0.0%	4	0.0%	4	0.0%	3	0.0%	2	0.0%
Secukinumab	44	0.0%	43	0.0%	40	0.0%	37	0.0%	25	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2018 (N = 242,297)										
Ixekizumab	**3**	**0.0%**	**4**	**0.0%**	**4**	**0.0%**	**3**	**0.0%**	**1**	**0.0%**
Anti-TNF- α Drugs	**635**	**0.3%**	**632**	**0.3%**	**603**	**0.2%**	**498**	**0.2%**	**432**	**0.2%**
Adalimumab	308	0.1%	296	0.1%	289	0.1%	233	0.1%	174	0.1%
Certolizumab	69	0.0%	99	0.0%	76	0.0%	82	0.0%	77	0.0%
Etanercept	86	0.0%	79	0.0%	76	0.0%	34	0.0%	31	0.0%
Infliximab	154	0.1%	158	0.1%	150	0.1%	140	0.1%	141	0.1%
Golimumab	29	0.0%	28	0.0%	27	0.0%	19	0.0%	15	0.0%
IL-Inhibitor Drugs	**75**	**0.0%**	**73**	**0.0%**	**70**	**0.0%**	**61**	**0.0%**	**35**	**0.0%**
Abatacept	13	0.0%	14	0.0%	13	0.0%	12	0.0%	3	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	17	0.0%	18	0.0%	18	0.0%	17	0.0%	6	0.0%
Secukinumab	46	0.0%	42	0.0%	40	0.0%	32	0.0%	26	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2019 (N = 236,014)										
Ixekizumab	**4**	**0.0%**	**5**	**0.0%**	**5**	**0.0%**	**2**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**580**	**0.2%**	**590**	**0.2%**	**558**	**0.2%**	**471**	**0.2%**	**411**	**0.2%**
Adalimumab	277	0.1%	262	0.1%	254	0.1%	209	0.1%	165	0.1%
Certolizumab	73	0.0%	115	0.0%	88	0.0%	92	0.0%	89	0.0%
Etanercept	83	0.0%	77	0.0%	70	0.0%	34	0.0%	31	0.0%
Infliximab	148	0.1%	152	0.1%	146	0.1%	137	0.1%	125	0.1%
Golimumab	16	0.0%	16	0.0%	14	0.0%	10	0.0%	6	0.0%
IL-Inhibitor Drugs	**109**	**0.0%**	**103**	**0.0%**	**99**	**0.0%**	**87**	**0.0%**	**64**	**0.0%**
Abatacept	13	0.0%	8	0.0%	8	0.0%	5	0.0%	2	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	5	0.0%	5	0.0%	4	0.0%	3	0.0%	2	0.0%
Risankizumab	24	0.0%	25	0.0%	23	0.0%	22	0.0%	12	0.0%
Secukinumab	68	0.0%	65	0.0%	64	0.0%	57	0.0%	48	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2020 (N = 203,312)										
Ixekizumab	**15**	**0.0%**	**14**	**0.0%**	**14**	**0.0%**	**6**	**0.0%**	**2**	**0.0%**
Anti-TNF- α Drugs	**620**	**0.3%**	**648**	**0.3%**	**611**	**0.3%**	**542**	**0.3%**	**504**	**0.2%**
Adalimumab	259	0.1%	249	0.1%	242	0.1%	208	0.1%	175	0.1%
Certolizumab	122	0.1%	165	0.1%	132	0.1%	130	0.1%	133	0.1%
Etanercept	72	0.0%	76	0.0%	68	0.0%	46	0.0%	35	0.0%
Infliximab	150	0.1%	157	0.1%	152	0.1%	144	0.1%	142	0.1%
Golimumab	30	0.0%	31	0.0%	29	0.0%	22	0.0%	20	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery

Exposure(s) of Interest	Use in the Pre-Pregnancy Period[1]		Use During Any Trimester		Any Use in First Trimester		Any Use in Second Trimester		Any Use in Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**115**	**0.1%**	**121**	**0.1%**	**117**	**0.1%**	**101**	**0.0%**	**61**	**0.0%**
Abatacept	12	0.0%	12	0.0%	12	0.0%	9	0.0%	3	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	10	0.0%	10	0.0%	10	0.0%	8	0.0%	1	0.0%
Risankizumab	25	0.0%	23	0.0%	23	0.0%	17	0.0%	8	0.0%
Secukinumab	68	0.0%	73	0.0%	68	0.0%	63	0.0%	50	0.0%
Ustenkinumab	2	0.0%	4	0.0%	4	0.0%	4	0.0%	0	0.0%
2021 (N = 84,407)										
Ixekizumab	**6**	**0.0%**	**6**	**0.0%**	**6**	**0.0%**	**3**	**0.0%**	**2**	**0.0%**
Anti-TNF- α Drugs	**282**	**0.3%**	**294**	**0.3%**	**284**	**0.3%**	**253**	**0.3%**	**234**	**0.3%**
Adalimumab	107	0.1%	110	0.1%	108	0.1%	97	0.1%	83	0.1%
Certolizumab	63	0.1%	79	0.1%	70	0.1%	66	0.1%	62	0.1%
Etanercept	26	0.0%	27	0.0%	26	0.0%	15	0.0%	15	0.0%
Infliximab	74	0.1%	72	0.1%	72	0.1%	67	0.1%	66	0.1%
Golimumab	8	0.0%	7	0.0%	7	0.0%	4	0.0%	3	0.0%
IL-Inhibitor Drugs	**66**	**0.1%**	**63**	**0.1%**	**61**	**0.1%**	**54**	**0.1%**	**37**	**0.0%**
Abatacept	6	0.0%	7	0.0%	7	0.0%	4	0.0%	1	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	2	0.0%	1	0.0%	1	0.0%	1	0.0%	0	0.0%
Risankizumab	9	0.0%	8	0.0%	8	0.0%	7	0.0%	4	0.0%
Secukinumab	43	0.1%	44	0.1%	42	0.0%	40	0.0%	31	0.0%
Ustenkinumab	6	0.0%	3	0.0%	3	0.0%	2	0.0%	1	0.0%

[1]Use in the pre-pregnancy period does qualify use during the pregnancy and is not included in the "any trimester" metric.

[2]Displayed percentages represent the number of pregnancy episodes with evidence of the exposure of interest as a proportion of all pregnancy episodes.

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pregnant Cohort With Indication(s) for Ixekizumab								
2016 (N = 1,652)								
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**47**	**2.8%**	**28**	**1.7%**	**1**	**0.1%**	**2**	**0.1%**
Adalimumab	22	1.3%	9	0.5%	0	0.0%	1	0.1%
Certolizumab	2	0.1%	1	0.1%	0	0.0%	1	0.1%
Etanercept	10	0.6%	14	0.8%	1	0.1%	0	0.0%
Infliximab	8	0.5%	2	0.1%	0	0.0%	0	0.0%
Golimumab	5	0.3%	2	0.1%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**1**	**0.1%**	**4**	**0.2%**	**0**	**0.0%**	**0**	**0.0%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Secukinumab	1	0.1%	5	0.3%	0	0.0%	0	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2017 (N = 2,570)								
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**81**	**3.2%**	**41**	**1.6%**	**1**	**0.0%**	**4**	**0.2%**
Adalimumab	31	1.2%	20	0.8%	0	0.0%	1	0.0%
Certolizumab	16	0.6%	1	0.0%	0	0.0%	2	0.1%
Etanercept	14	0.5%	20	0.8%	1	0.0%	2	0.1%
Infliximab	14	0.5%	7	0.3%	0	0.0%	0	0.0%
Golimumab	4	0.2%	1	0.0%	0	0.0%	1	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**18**	**0.7%**	**6**	**0.2%**	**0**	**0.0%**	**2**	**0.1%**
Abatacept	0	0.0%	2	0.1%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	2	0.1%	1	0.0%	0	0.0%	0	0.0%
Secukinumab	16	0.6%	3	0.1%	0	0.0%	2	0.1%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2018 (N = 3,003)								
Ixekizumab	**1**	**0.0%**	**1**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**72**	**2.4%**	**49**	**1.6%**	**0**	**0.0%**	**3**	**0.1%**
Adalimumab	40	1.3%	27	0.9%	0	0.0%	0	0.0%
Certolizumab	8	0.3%	1	0.0%	0	0.0%	5	0.2%
Etanercept	9	0.3%	19	0.6%	0	0.0%	0	0.0%
Infliximab	15	0.5%	5	0.2%	0	0.0%	0	0.0%
Golimumab	0	0.0%	2	0.1%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**23**	**0.8%**	**8**	**0.3%**	**0**	**0.0%**	**1**	**0.0%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	6	0.2%	1	0.0%	0	0.0%	0	0.0%
Secukinumab	17	0.6%	8	0.3%	0	0.0%	1	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2019 (N = 3,202)								
Ixekizumab	**0**	**0.0%**	**3**	**0.1%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**84**	**2.6%**	**35**	**1.1%**	**1**	**0.0%**	**2**	**0.1%**
Adalimumab	38	1.2%	14	0.4%	0	0.0%	0	0.0%
Certolizumab	21	0.7%	10	0.3%	1	0.0%	2	0.1%
Etanercept	10	0.3%	11	0.3%	0	0.0%	3	0.1%
Infliximab	10	0.3%	4	0.1%	0	0.0%	0	0.0%
Golimumab	1	0.0%	4	0.1%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**29**	**0.9%**	**12**	**0.4%**	**0**	**0.0%**	**1**	**0.0%**
Abatacept	0	0.0%	1	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	2	0.1%	0	0.0%	0	0.0%
Risankizumab	10	0.3%	2	0.1%	0	0.0%	1	0.0%
Secukinumab	18	0.6%	7	0.2%	0	0.0%	0	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2020 (N = 3,080)								
Ixekizumab	**1**	**0.0%**	**7**	**0.2%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**110**	**3.6%**	**32**	**1.0%**	**1**	**0.0%**	**6**	**0.2%**
Adalimumab	37	1.2%	17	0.6%	1	0.0%	1	0.0%
Certolizumab	42	1.4%	7	0.2%	0	0.0%	5	0.2%
Etanercept	13	0.4%	9	0.3%	0	0.0%	1	0.0%
Infliximab	10	0.3%	2	0.1%	0	0.0%	0	0.0%
Golimumab	3	0.1%	2	0.1%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**25**	**0.8%**	**14**	**0.5%**	**0**	**0.0%**	**1**	**0.0%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	2	0.1%	0	0.0%	0	0.0%
Risankizumab	8	0.3%	6	0.2%	0	0.0%	0	0.0%
Secukinumab	16	0.5%	6	0.2%	0	0.0%	2	0.1%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2021 (N = 1,316)								
Ixekizumab	**2**	**0.2%**	**3**	**0.2%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**54**	**4.1%**	**12**	**0.9%**	**0**	**0.0%**	**4**	**0.3%**
Adalimumab	22	1.7%	7	0.5%	0	0.0%	0	0.0%
Certolizumab	22	1.7%	4	0.3%	0	0.0%	4	0.3%
Etanercept	4	0.3%	0	0.0%	0	0.0%	0	0.0%
Infliximab	5	0.4%	1	0.1%	0	0.0%	0	0.0%
Golimumab	0	0.0%	1	0.1%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**13**	**1.0%**	**5**	**0.4%**	**0**	**0.0%**	**0**	**0.0%**
Abatacept	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	4	0.3%	1	0.1%	0	0.0%	0	0.0%
Secukinumab	8	0.6%	3	0.2%	0	0.0%	0	0.0%
Ustenkinumab	1	0.1%	1	0.1%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Eligible Pregnancies								
2016 (N = 196,275)								
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**228**	**0.1%**	**82**	**0.0%**	**2**	**0.0%**	**9**	**0.0%**
Adalimumab	90	0.0%	26	0.0%	1	0.0%	2	0.0%
Certolizumab	18	0.0%	6	0.0%	0	0.0%	4	0.0%
Etanercept	19	0.0%	38	0.0%	1	0.0%	1	0.0%
Infliximab	90	0.0%	9	0.0%	0	0.0%	3	0.0%
Golimumab	8	0.0%	5	0.0%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**3**	**0.0%**	**5**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Abatacept	1	0.0%	1	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Secukinumab	2	0.0%	5	0.0%	0	0.0%	0	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2017 (N = 244,073)								
Ixekizumab	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**343**	**0.1%**	**91**	**0.0%**	**4**	**0.0%**	**14**	**0.0%**
Adalimumab	146	0.1%	41	0.0%	0	0.0%	10	0.0%
Certolizumab	38	0.0%	7	0.0%	0	0.0%	2	0.0%
Etanercept	28	0.0%	37	0.0%	3	0.0%	3	0.0%
Infliximab	116	0.0%	15	0.0%	1	0.0%	0	0.0%
Golimumab	9	0.0%	4	0.0%	0	0.0%	2	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**25**	**0.0%**	**12**	**0.0%**	**0**	**0.0%**	**2**	**0.0%**
Abatacept	2	0.0%	8	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	2	0.0%	1	0.0%	0	0.0%	0	0.0%
Secukinumab	21	0.0%	3	0.0%	0	0.0%	2	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2018 (N = 242,297)								
Ixekizumab	**1**	**0.0%**	**1**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**394**	**0.2%**	**113**	**0.0%**	**2**	**0.0%**	**10**	**0.0%**
Adalimumab	165	0.1%	58	0.0%	0	0.0%	3	0.0%
Certolizumab	54	0.0%	10	0.0%	1	0.0%	6	0.0%
Etanercept	23	0.0%	39	0.0%	0	0.0%	1	0.0%
Infliximab	132	0.1%	13	0.0%	1	0.0%	3	0.0%
Golimumab	14	0.0%	8	0.0%	0	0.0%	1	0.0%
IL-Inhibitor Drugs	**32**	**0.0%**	**10**	**0.0%**	**0**	**0.0%**	**2**	**0.0%**
Abatacept	2	0.0%	2	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	6	0.0%	1	0.0%	0	0.0%	0	0.0%
Secukinumab	24	0.0%	8	0.0%	0	0.0%	2	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2019 (N = 236,014)								
Ixekizumab	**0**	**0.0%**	**3**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**372**	**0.2%**	**99**	**0.0%**	**2**	**0.0%**	**11**	**0.0%**
Adalimumab	156	0.1%	49	0.0%	0	0.0%	3	0.0%
Certolizumab	63	0.0%	16	0.0%	1	0.0%	7	0.0%
Etanercept	22	0.0%	35	0.0%	2	0.0%	4	0.0%
Infliximab	118	0.0%	13	0.0%	0	0.0%	1	0.0%
Golimumab	4	0.0%	6	0.0%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**59**	**0.0%**	**14**	**0.0%**	**0**	**0.0%**	**1**	**0.0%**
Abatacept	2	0.0%	3	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	2	0.0%	0	0.0%	0	0.0%
Risankizumab	10	0.0%	2	0.0%	0	0.0%	1	0.0%
Secukinumab	46	0.0%	7	0.0%	0	0.0%	0	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2020 (N = 203,312)								
Ixekizumab	**1**	**0.0%**	**7**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**465**	**0.2%**	**85**	**0.0%**	**4**	**0.0%**	**15**	**0.0%**
Adalimumab	166	0.1%	35	0.0%	1	0.0%	3	0.0%
Certolizumab	100	0.0%	21	0.0%	0	0.0%	14	0.0%
Etanercept	29	0.0%	28	0.0%	3	0.0%	1	0.0%
Infliximab	137	0.1%	9	0.0%	0	0.0%	4	0.0%
Golimumab	18	0.0%	9	0.0%	0	0.0%	0	0.0%

Table 2b. Pregnancy Episodes with Ixekizumab, Anti-TNF-alpha, or IL-Inhibitor Medical Product Use in the Sentinel Distributed Database from March 22, 2016 to June 30, 2021, by Year of Delivery (continued)

Exposure(s) of Interest	Use in All Trimesters		Use Only During First Trimester		Use Only During Second Trimester		Use Only During Third Trimester	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
IL-Inhibitor Drugs	**57**	**0.0%**	**19**	**0.0%**	**0**	**0.0%**	**1**	**0.0%**
Abatacept	3	0.0%	3	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	1	0.0%	2	0.0%	0	0.0%	0	0.0%
Risankizumab	8	0.0%	6	0.0%	0	0.0%	0	0.0%
Secukinumab	45	0.0%	8	0.0%	0	0.0%	2	0.0%
Ustenkinumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2021 (N = 84,407)								
Ixekizumab	**2**	**0.0%**	**3**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Anti-TNF- α Drugs	**222**	**0.3%**	**32**	**0.0%**	**0**	**0.0%**	**7**	**0.0%**
Adalimumab	81	0.1%	13	0.0%	0	0.0%	0	0.0%
Certolizumab	53	0.1%	7	0.0%	0	0.0%	6	0.0%
Etanercept	12	0.0%	9	0.0%	0	0.0%	1	0.0%
Infliximab	66	0.1%	5	0.0%	0	0.0%	0	0.0%
Golimumab	3	0.0%	3	0.0%	0	0.0%	0	0.0%
IL-Inhibitor Drugs	**34**	**0.0%**	**8**	**0.0%**	**0**	**0.0%**	**0**	**0.0%**
Abatacept	1	0.0%	3	0.0%	0	0.0%	0	0.0%
Brodalumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Guselkumab	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Risankizumab	4	0.0%	1	0.0%	0	0.0%	0	0.0%
Secukinumab	28	0.0%	3	0.0%	0	0.0%	0	0.0%
Ustenkinumab	1	0.0%	1	0.0%	0	0.0%	0	0.0%

[1]Use in the pre-pregnancy period does qualify use during the pregnancy and is not included in the "any trimester" metric.

[2]Displayed percentages represent the number of pregnancy episodes with evidence of the exposure of interest as a proportion of all pregnancy episodes.

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 3, 2022)

DP ID	Start Date[1]	End Date[1]
DP01	01/01/2007	05/31/2021
DP02	01/01/2008	04/30/2021
DP03	01/01/2000	12/31/2019
DP04	01/01/2006	06/30/2021
DP05	01/01/2008	06/30/2021
DP06	01/01/2006	06/30/2020

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

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

Code	Duration	Description	Code Category	Code Type
		Gestational Age		
O481	294	Prolonged pregnancy	Diagnosis	ICD-10-CM
P0822	294	Prolonged gestation of newborn	Diagnosis	ICD-10-CM
Z3A49	301	Greater than 42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
O480	287	Post-term pregnancy	Diagnosis	ICD-10-CM
P0821	287	Post-term newborn	Diagnosis	ICD-10-CM
Z3A42	298	42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A41	291	41 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A40	284	40 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A39	277	39 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A38	270	38 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A37	263	37 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0739	256	Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM
Z3A36	256	36 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0738	249	Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM
Z3A35	249	35 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0737	242	Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM
Z3A34	242	34 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0736	235	Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM
Z3A33	235	33 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0735	228	Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM
Z3A32	228	32 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0734	221	Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM
Z3A31	221	31 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0733	214	Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM
Z3A30	214	30 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0732	207	Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM
Z3A29	207	29 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0731	200	Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM
Z3A28	200	28 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0726	193	Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM
Z3A27	193	27 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0725	186	Extreme immaturity of newborn, gestational age 26 completed weeks		ICD-10-CM
Z3A26	186	26 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0724	179	Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM
Z3A25	179	25 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0723	172	Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM
Z3A24	172	24 weeks gestation of pregnancy	Diagnosis	ICD-10-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
P0722	165	Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM
Z3A23	165	23 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0721	158	Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM
Z3A22	158	22 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A21	151	21 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
Z3A20	144	20 weeks gestation of pregnancy	Diagnosis	ICD-10-CM
P0720	196	Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
O6013X0	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X1	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X2	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X3	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X4	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X5	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6013X9	245	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X0	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X1	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X2	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X3	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X4	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X5	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
O6014X9	245	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM
P0730	245	Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
O6012X0	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
O6012X1	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
O6012X2	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
O6012X3	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
O6012X4	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM

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Code	Duration	Description	Code Category	Code Type
O6012X5	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
O6012X9	168	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM
64520	294	Prolonged pregnancy	Diagnosis	ICD-9-CM
64521	294	Prolonged pregnancy	Diagnosis	ICD-9-CM
64523	294	Prolonged pregnancy	Diagnosis	ICD-9-CM
76528	252	35-36 completed weeks of gestation	Diagnosis	ICD-9-CM
76622	294	Prolonged gestation of infant	Diagnosis	ICD-9-CM
64510	287	Post term pregnancy	Diagnosis	ICD-9-CM
64511	287	Post term pregnancy	Diagnosis	ICD-9-CM
64513	287	Post term pregnancy	Diagnosis	ICD-9-CM
76527	238	33-34 completed weeks of gestation	Diagnosis	ICD-9-CM
76621	287	Post-term infant	Diagnosis	ICD-9-CM
76526	224	31-32 completed weeks of gestation	Diagnosis	ICD-9-CM
76525	210	29-30 completed weeks of gestation	Diagnosis	ICD-9-CM
76524	196	27-28 completed weeks of gestation	Diagnosis	ICD-9-CM
76523	182	25-26 completed weeks of gestation	Diagnosis	ICD-9-CM
76521	168	Less than 24 completed weeks of gestation	Diagnosis	ICD-9-CM
76522	168	24 completed weeks of gestation	Diagnosis	ICD-9-CM
76500	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76501	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76502	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76503	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76504	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76505	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76506	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76507	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76508	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
76509	196	Extreme immaturity, by weight	Diagnosis	ICD-9-CM
64421	245	Early onset of delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
76510	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76511	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76512	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76513	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76514	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76515	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76516	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76517	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76518	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM
76519	245	Other preterm infants, by weight	Diagnosis	ICD-9-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
76520	245	Unspecified weeks of gestation	Diagnosis	ICD-9-CM
64832		Maternal drug dependence, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64841		Maternal mental disorders, with delivery	Diagnosis	ICD-9-CM
64842		Maternal mental disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64851		Maternal congenital cardiovascular disorders, with delivery	Diagnosis	ICD-9-CM
64852		Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64861		Other maternal cardiovascular diseases, with delivery	Diagnosis	ICD-9-CM
64862		Other maternal cardiovascular diseases, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64871		Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery	Diagnosis	ICD-9-CM
64872		Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64881		Abnormal maternal glucose tolerance, with delivery	Diagnosis	ICD-9-CM
64882		Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64891		Other current maternal conditions classifiable elsewhere, with delivery	Diagnosis	ICD-9-CM
64892		Other current maternal conditions classifiable elsewhere, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64901		Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64902		Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64911		Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64912		Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64921		Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64922		Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64931		Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64932		Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
64941		Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64942		Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64951		Spotting complicating pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64961		Uterine size date discrepancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64962		Uterine size date discrepancy, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64971		Cervical shortening, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
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	Diagnosis	ICD-9-CM
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	Diagnosis	ICD-9-CM
650		Normal delivery	Diagnosis	ICD-9-CM
65101		Twin pregnancy, delivered	Diagnosis	ICD-9-CM
65111		Triplet pregnancy, delivered	Diagnosis	ICD-9-CM
65121		Quadruplet pregnancy, delivered	Diagnosis	ICD-9-CM
65131		Twin pregnancy with fetal loss and retention of one fetus, delivered	Diagnosis	ICD-9-CM
65141		Triplet pregnancy with fetal loss and retention of one or more, delivered	Diagnosis	ICD-9-CM
65151		Quadruplet pregnancy with fetal loss and retention of one or more, delivered	Diagnosis	ICD-9-CM
65161		Other multiple pregnancy with fetal loss and retention of one or more fetus(es), delivered	Diagnosis	ICD-9-CM
65171		Multiple gestation following (elective) fetal reduction, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65181		Other specified multiple gestation, delivered	Diagnosis	ICD-9-CM
65191		Unspecified multiple gestation, delivered	Diagnosis	ICD-9-CM
65201		Unstable lie of fetus, delivered	Diagnosis	ICD-9-CM
65211		Breech or other malpresentation successfully converted to cephalic presentation, delivered	Diagnosis	ICD-9-CM
65221		Breech presentation without mention of version, delivered	Diagnosis	ICD-9-CM
65231		Transverse or oblique fetal presentation, delivered	Diagnosis	ICD-9-CM
65241		Fetal face or brow presentation, delivered	Diagnosis	ICD-9-CM
65251		High fetal head at term, delivered	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
65261		Multiple gestation with malpresentation of one fetus or more, delivered	Diagnosis	ICD-9-CM
65271		Prolapsed arm of fetus, delivered	Diagnosis	ICD-9-CM
65281		Other specified malposition or malpresentation of fetus, delivered	Diagnosis	ICD-9-CM
65291		Unspecified malposition or malpresentation of fetus, delivered	Diagnosis	ICD-9-CM
65301		Major abnormality of bony pelvis, not further specified, delivered	Diagnosis	ICD-9-CM
65311		Generally contracted pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65321		Inlet contraction of pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65331		Outlet contraction of pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65341		Fetopelvic disproportion, delivered	Diagnosis	ICD-9-CM
65351		Unusually large fetus causing disproportion, delivered	Diagnosis	ICD-9-CM
65361		Hydrocephalic fetus causing disproportion, delivered	Diagnosis	ICD-9-CM
65371		Other fetal abnormality causing disproportion, delivered	Diagnosis	ICD-9-CM
65381		Fetal disproportion of other origin, delivered	Diagnosis	ICD-9-CM
65391		Unspecified fetal disproportion, delivered	Diagnosis	ICD-9-CM
65401		Congenital abnormalities of pregnant uterus, delivered	Diagnosis	ICD-9-CM
65402		Congenital abnormalities of pregnant uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65411		Tumors of body of uterus, delivered	Diagnosis	ICD-9-CM
65412		Tumors of body of uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65421		Previous cesarean delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65431		Retroverted and incarcerated gravid uterus, delivered	Diagnosis	ICD-9-CM
65432		Retroverted and incarcerated gravid uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65441		Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered	Diagnosis	ICD-9-CM
65442		Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65451		Cervical incompetence, delivered	Diagnosis	ICD-9-CM
65452		Cervical incompetence, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65461		Other congenital or acquired abnormality of cervix, with delivery	Diagnosis	ICD-9-CM
65462		Other congenital or acquired abnormality of cervix, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65471		Congenital or acquired abnormality of vagina, with delivery	Diagnosis	ICD-9-CM
65472		Congenital or acquired abnormality of vagina, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65481		Congenital or acquired abnormality of vulva, with delivery	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
65482		Congenital or acquired abnormality of vulva, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65491		Other and unspecified abnormality of organs and soft tissues of pelvis, with delivery	Diagnosis	ICD-9-CM
65492		Other and unspecified abnormality of organs and soft tissues of pelvis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65501		Central nervous system malformation in fetus, with delivery	Diagnosis	ICD-9-CM
65511		Chromosomal abnormality in fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65521		Hereditary disease in family possibly affecting fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65531		Suspected damage to fetus from viral disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65541		Suspected damage to fetus from other disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65551		Suspected damage to fetus from drugs, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65561		Suspected damage to fetus from radiation, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65571		Decreased fetal movements, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65581		Other known or suspected fetal abnormality, not elsewhere classified, affecting management of mother, delivery	Diagnosis	ICD-9-CM
65591		Unspecified fetal abnormality affecting management of mother, delivery	Diagnosis	ICD-9-CM
65601		Fetal-maternal hemorrhage, with delivery	Diagnosis	ICD-9-CM
65611		Rhesus isoimmunization affecting management of mother, delivered	Diagnosis	ICD-9-CM
65621		Isoimmunization from other and unspecified blood-group incompatibility, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65631		Fetal distress affecting management of mother, delivered	Diagnosis	ICD-9-CM
65641		Intrauterine death affecting management of mother, delivered	Diagnosis	ICD-9-CM
65651		Poor fetal growth, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65661		Excessive fetal growth affecting management of mother, delivered	Diagnosis	ICD-9-CM
65671		Other placental conditions affecting management of mother, delivered	Diagnosis	ICD-9-CM
65681		Other specified fetal and placental problems affecting management of mother, delivered	Diagnosis	ICD-9-CM
65691		Unspecified fetal and placental problem affecting management of mother, delivered	Diagnosis	ICD-9-CM
65701		Polyhydramnios, with delivery	Diagnosis	ICD-9-CM
65801		Oligohydramnios, delivered	Diagnosis	ICD-9-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
65811		Premature rupture of membranes in pregnancy, delivered	Diagnosis	ICD-9-CM
65821		Delayed delivery after spontaneous or unspecified rupture of membranes, delivered	Diagnosis	ICD-9-CM
65831		Delayed delivery after artificial rupture of membranes, delivered	Diagnosis	ICD-9-CM
65841		Infection of amniotic cavity, delivered	Diagnosis	ICD-9-CM
65881		Other problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65891		Unspecified problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65901		Failed mechanical induction of labor, delivered	Diagnosis	ICD-9-CM
65911		Failed medical or unspecified induction of labor, delivered	Diagnosis	ICD-9-CM
65921		Unspecified maternal pyrexia during labor, delivered	Diagnosis	ICD-9-CM
65931		Generalized infection during labor, delivered	Diagnosis	ICD-9-CM
65941		Grand multiparity, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65951		Elderly primigravida, delivered	Diagnosis	ICD-9-CM
65961		Elderly multigravida, delivered, with mention of antepartum condition	Diagnosis	ICD-9-CM
65971		Abnormality in fetal heart rate or rhythm, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65981		Other specified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM
65991		Unspecified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM
66001		Obstruction caused by malposition of fetus at onset of labor, delivered	Diagnosis	ICD-9-CM
66011		Obstruction by bony pelvis during labor and delivery, delivered	Diagnosis	ICD-9-CM
66021		Obstruction by abnormal pelvic soft tissues during labor and delivery, delivered	Diagnosis	ICD-9-CM
66031		Deep transverse arrest and persistent occipitoposterior position during labor and deliver, delivered	Diagnosis	ICD-9-CM
66041		Shoulder (girdle) dystocia during labor and deliver, delivered	Diagnosis	ICD-9-CM
66051		Locked twins, delivered	Diagnosis	ICD-9-CM
66061		Unspecified failed trial of labor, delivered	Diagnosis	ICD-9-CM
66071		Unspecified failed forceps or vacuum extractor, delivered	Diagnosis	ICD-9-CM
66081		Other causes of obstructed labor, delivered	Diagnosis	ICD-9-CM
66091		Unspecified obstructed labor, with delivery	Diagnosis	ICD-9-CM
66101		Primary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66111		Secondary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66121		Other and unspecified uterine inertia, with delivery	Diagnosis	ICD-9-CM
66131		Precipitate labor, with delivery	Diagnosis	ICD-9-CM

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

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

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
66911		Shock during or following labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66912		Shock during or following labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66921		Maternal hypotension syndrome, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66922		Maternal hypotension syndrome, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66932		Acute kidney failure following labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66941		Other complications of obstetrical surgery and procedures, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66942		Other complications of obstetrical surgery and procedures, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66951		Forceps or vacuum extractor delivery without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66961		Breech extraction, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66971		Cesarean delivery, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66981		Other complication of labor and delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66982		Other complication of labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66991		Unspecified complication of labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66992		Unspecified complication of labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67002		Major puerperal infection, unspecified, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67012		Puerperal endometritis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67022		Puerperal sepsis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67032		Puerperal septic thrombophlebitis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67082		Other major puerperal infection, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67101		Varicose veins of legs, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
67102		Varicose veins of legs, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67111		Varicose veins of vulva and perineum, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67112		Varicose veins of vulva and perineum, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67121		Superficial thrombophlebitis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67122		Superficial thrombophlebitis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67131		Deep phlebothrombosis, antepartum, with delivery	Diagnosis	ICD-9-CM
67142		Deep phlebothrombosis, postpartum, with delivery	Diagnosis	ICD-9-CM
67151		Other phlebitis and thrombosis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67152		Other phlebitis and thrombosis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67181		Other venous complication, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67182		Other venous complication, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67191		Unspecified venous complication, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67192		Unspecified venous complication, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67202		Puerperal pyrexia of unknown origin, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67301		Obstetrical air embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67302		Obstetrical air embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67311		Amniotic fluid embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67312		Amniotic fluid embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67321		Obstetrical blood-clot embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67322		Obstetrical blood-clot embolism, with mention of postpartum complication	Diagnosis	ICD-9-CM
67331		Obstetrical pyemic and septic embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67332		Obstetrical pyemic and septic embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
67381		Other obstetrical pulmonary embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67382		Other obstetrical pulmonary embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67401		Cerebrovascular disorder, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67402		Cerebrovascular disorder, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67412		Disruption of cesarean wound, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67422		Disruption of perineal wound, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67432		Other complication of obstetrical surgical wounds, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67442		Placental polyp, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67451		Peripartum cardiomyopathy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67452		Peripartum cardiomyopathy, delivered, with mention of postpartum condition	Diagnosis	ICD-9-CM
67482		Other complication of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67492		Unspecified complications of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67501		Infection of nipple associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67502		Infection of nipple associated with childbirth, delivered with mention of postpartum complication	Diagnosis	ICD-9-CM
67511		Abscess of breast associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67512		Abscess of breast associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67521		Nonpurulent mastitis, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67522		Nonpurulent mastitis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67581		Other specified infection of the breast and nipple associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67582		Other specified infection of the breast and nipple associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
67591		Unspecified infection of the breast and nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67592		Unspecified infection of the breast and nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67601		Retracted nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67602		Retracted nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67611		Cracked nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67612		Cracked nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67621		Engorgement of breasts, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67622		Engorgement of breasts, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67631		Other and unspecified disorder of breast associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67632		Other and unspecified disorder of breast associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67641		Failure of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67642		Failure of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67651		Suppressed lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67652		Suppressed lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67661		Galactorrhea, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67662		Galactorrhea, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67681		Other disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67682		Other disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67691		Unspecified disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67692		Unspecified disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67801		Fetal hematologic conditions, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
67811		Fetal conjoined twins, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67901		Maternal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67902		Maternal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67911		Fetal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67912		Fetal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
72		Forceps, vacuum, and breech delivery	Procedure	ICD-9-CM
720		Low forceps operation	Procedure	ICD-9-CM
721		Low forceps operation with episiotomy	Procedure	ICD-9-CM
722		Mid forceps operation	Procedure	ICD-9-CM
7221		Mid forceps operation with episiotomy	Procedure	ICD-9-CM
7229		Other mid forceps operation	Procedure	ICD-9-CM
723		High forceps operation	Procedure	ICD-9-CM
7231		High forceps operation with episiotomy	Procedure	ICD-9-CM
7239		Other high forceps operation	Procedure	ICD-9-CM
724		Forceps rotation of fetal head	Procedure	ICD-9-CM
725		Breech extraction	Procedure	ICD-9-CM
7251		Partial breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM
7252		Other partial breech extraction	Procedure	ICD-9-CM
7253		Total breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM
7254		Other total breech extraction	Procedure	ICD-9-CM
726		Forceps application to aftercoming head	Procedure	ICD-9-CM
727		Vacuum extraction	Procedure	ICD-9-CM
7271		Vacuum extraction with episiotomy	Procedure	ICD-9-CM
7279		Other vacuum extraction	Procedure	ICD-9-CM
728		Other specified instrumental delivery	Procedure	ICD-9-CM
729		Unspecified instrumental delivery	Procedure	ICD-9-CM
73		Other procedures inducing or assisting delivery	Procedure	ICD-9-CM
730		Artificial rupture of membranes	Procedure	ICD-9-CM
7301		Induction of labor by artificial rupture of membranes	Procedure	ICD-9-CM
7309		Other artificial rupture of membranes	Procedure	ICD-9-CM
731		Other surgical induction of labor	Procedure	ICD-9-CM
732		Internal and combined version and extraction	Procedure	ICD-9-CM
7321		Internal and combined version without extraction	Procedure	ICD-9-CM
7322		Internal and combined version with extraction	Procedure	ICD-9-CM
733		Failed forceps	Procedure	ICD-9-CM
734		Medical induction of labor	Procedure	ICD-9-CM
735		Manually assisted delivery	Procedure	ICD-9-CM

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Code	Duration	Description	Code Category	Code Type
7351		Manual rotation of fetal head	Procedure	ICD-9-CM
7359		Other manually assisted delivery	Procedure	ICD-9-CM
736		Episiotomy	Procedure	ICD-9-CM
738		Operations on fetus to facilitate delivery	Procedure	ICD-9-CM
739		Other operations assisting delivery	Procedure	ICD-9-CM
7391		External version to assist delivery	Procedure	ICD-9-CM
7392		Replacement of prolapsed umbilical cord	Procedure	ICD-9-CM
7393		Incision of cervix to assist delivery	Procedure	ICD-9-CM
7394		Pubiotomy to assist delivery	Procedure	ICD-9-CM
7399		Other operations to assist delivery	Procedure	ICD-9-CM
740		Classical cesarean section	Procedure	ICD-9-CM
741		Low cervical cesarean section	Procedure	ICD-9-CM
742		Extraperitoneal cesarean section	Procedure	ICD-9-CM
744		Cesarean section of other specified type	Procedure	ICD-9-CM
749		Cesarean section of unspecified type	Procedure	ICD-9-CM
7499		Other cesarean section of unspecified type	Procedure	ICD-9-CM
7630		Fetus or newborn affected by breech delivery and extraction	Diagnosis	ICD-9-CM
7632		Fetus or newborn affected by forceps delivery	Diagnosis	ICD-9-CM
7633		Fetus or newborn affected by delivery by vacuum extractor	Diagnosis	ICD-9-CM
7634		Fetus or newborn affected by cesarean delivery	Diagnosis	ICD-9-CM
7636		Fetus or newborn affected by precipitate delivery	Diagnosis	ICD-9-CM
7680		Fetal death from asphyxia or anoxia before onset of labor or at unspecified time	Diagnosis	ICD-9-CM
7681		Fetal death from asphyxia or anoxia during labor	Diagnosis	ICD-9-CM
O1002		Pre-existing essential hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1012		Pre-existing hypertensive heart disease complicating childbirth	Diagnosis	ICD-10-CM
O1022		Pre-existing hypertensive chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1032		Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1042		Pre-existing secondary hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1092		Unspecified pre-existing hypertension complicating childbirth	Diagnosis	ICD-10-CM
O114		Pre-existing hypertension with pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1204		Gestational edema, complicating childbirth	Diagnosis	ICD-10-CM
O1214		Gestational proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1224		Gestational edema with proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O134		Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1404		Mild to moderate pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1414		Severe pre-eclampsia complicating childbirth	Diagnosis	ICD-10-CM
O1424		HELLP syndrome, complicating childbirth	Diagnosis	ICD-10-CM

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Code	Duration	Description	Code Category	Code Type
O1494		Unspecified pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O164		Unspecified maternal hypertension, complicating childbirth	Diagnosis	ICD-10-CM
O2402		Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2412		Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2432		Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24420		Gestational diabetes mellitus in childbirth, diet controlled	Diagnosis	ICD-10-CM
O24424		Gestational diabetes mellitus in childbirth, insulin controlled	Diagnosis	ICD-10-CM
O24425		Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24429		Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM
O2482		Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2492		Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O252		Malnutrition in childbirth	Diagnosis	ICD-10-CM
O2662		Liver and biliary tract disorders in childbirth	Diagnosis	ICD-10-CM
O2672		Subluxation of symphysis (pubis) in childbirth	Diagnosis	ICD-10-CM
O6012X0		Preterm labor second trimester with preterm delivery second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6012X1		Preterm labor second trimester with preterm delivery second trimester, fetus 1	Diagnosis	ICD-10-CM
O6012X2		Preterm labor second trimester with preterm delivery second trimester, fetus 2	Diagnosis	ICD-10-CM
O6012X3		Preterm labor second trimester with preterm delivery second trimester, fetus 3	Diagnosis	ICD-10-CM
O6012X4		Preterm labor second trimester with preterm delivery second trimester, fetus 4	Diagnosis	ICD-10-CM
O6012X5		Preterm labor second trimester with preterm delivery second trimester, fetus 5	Diagnosis	ICD-10-CM
O6012X9		Preterm labor second trimester with preterm delivery second trimester, other fetus	Diagnosis	ICD-10-CM
O6013X0		Preterm labor second trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6013X1		Preterm labor second trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM
O6013X2		Preterm labor second trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM
O6013X3		Preterm labor second trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM
O6013X4		Preterm labor second trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM
O6013X5		Preterm labor second trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM

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Code	Duration	Description	Code Category	Code Type
O6013X9		Preterm labor second trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM
O6014X0		Preterm labor third trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6014X1		Preterm labor third trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM
O6014X2		Preterm labor third trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM
O6014X3		Preterm labor third trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM
O6014X4		Preterm labor third trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM
O6014X5		Preterm labor third trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM
O6014X9		Preterm labor third trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM
O6022X0		Term delivery with preterm labor, second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6022X1		Term delivery with preterm labor, second trimester, fetus 1	Diagnosis	ICD-10-CM
O6022X2		Term delivery with preterm labor, second trimester, fetus 2	Diagnosis	ICD-10-CM
O6022X3		Term delivery with preterm labor, second trimester, fetus 3	Diagnosis	ICD-10-CM
O6022X4		Term delivery with preterm labor, second trimester, fetus 4	Diagnosis	ICD-10-CM
O6022X5		Term delivery with preterm labor, second trimester, fetus 5	Diagnosis	ICD-10-CM
O6022X9		Term delivery with preterm labor, second trimester, other fetus	Diagnosis	ICD-10-CM
O6023X0		Term delivery with preterm labor, third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6023X1		Term delivery with preterm labor, third trimester, fetus 1	Diagnosis	ICD-10-CM
O6023X2		Term delivery with preterm labor, third trimester, fetus 2	Diagnosis	ICD-10-CM
O6023X3		Term delivery with preterm labor, third trimester, fetus 3	Diagnosis	ICD-10-CM
O6023X4		Term delivery with preterm labor, third trimester, fetus 4	Diagnosis	ICD-10-CM
O6023X5		Term delivery with preterm labor, third trimester, fetus 5	Diagnosis	ICD-10-CM
O6023X9		Term delivery with preterm labor, third trimester, other fetus	Diagnosis	ICD-10-CM
O632		Delayed delivery of second twin, triplet, etc	Diagnosis	ICD-10-CM
O670		Intrapartum hemorrhage with coagulation defect	Diagnosis	ICD-10-CM
O678		Other intrapartum hemorrhage	Diagnosis	ICD-10-CM
O679		Intrapartum hemorrhage, unspecified	Diagnosis	ICD-10-CM
O68		Labor and delivery complicated by abnormality of fetal acid-base balance	Diagnosis	ICD-10-CM
O690XX0		Labor and delivery complicated by prolapse of cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O690XX1		Labor and delivery complicated by prolapse of cord, fetus 1	Diagnosis	ICD-10-CM
O690XX2		Labor and delivery complicated by prolapse of cord, fetus 2	Diagnosis	ICD-10-CM

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Code	Duration	Description	Code Category	Code Type
O690XX3		Labor and delivery complicated by prolapse of cord, fetus 3	Diagnosis	ICD-10-CM
O690XX4		Labor and delivery complicated by prolapse of cord, fetus 4	Diagnosis	ICD-10-CM
O690XX5		Labor and delivery complicated by prolapse of cord, fetus 5	Diagnosis	ICD-10-CM
O690XX9		Labor and delivery complicated by prolapse of cord, other fetus	Diagnosis	ICD-10-CM
O691XX0		Labor and delivery complicated by cord around neck, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O691XX1		Labor and delivery complicated by cord around neck, with compression, fetus 1	Diagnosis	ICD-10-CM
O691XX2		Labor and delivery complicated by cord around neck, with compression, fetus 2	Diagnosis	ICD-10-CM
O691XX3		Labor and delivery complicated by cord around neck, with compression, fetus 3	Diagnosis	ICD-10-CM
O691XX4		Labor and delivery complicated by cord around neck, with compression, fetus 4	Diagnosis	ICD-10-CM
O691XX5		Labor and delivery complicated by cord around neck, with compression, fetus 5	Diagnosis	ICD-10-CM
O691XX9		Labor and delivery complicated by cord around neck, with compression, other fetus	Diagnosis	ICD-10-CM
O692XX0		Labor and delivery complicated by other cord entanglement, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O692XX1		Labor and delivery complicated by other cord entanglement, with compression, fetus 1	Diagnosis	ICD-10-CM
O692XX2		Labor and delivery complicated by other cord entanglement, with compression, fetus 2	Diagnosis	ICD-10-CM
O692XX3		Labor and delivery complicated by other cord entanglement, with compression, fetus 3	Diagnosis	ICD-10-CM
O692XX4		Labor and delivery complicated by other cord entanglement, with compression, fetus 4	Diagnosis	ICD-10-CM
O692XX5		Labor and delivery complicated by other cord entanglement, with compression, fetus 5	Diagnosis	ICD-10-CM
O692XX9		Labor and delivery complicated by other cord entanglement, with compression, other fetus	Diagnosis	ICD-10-CM
O693XX0		Labor and delivery complicated by short cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O693XX1		Labor and delivery complicated by short cord, fetus 1	Diagnosis	ICD-10-CM
O693XX2		Labor and delivery complicated by short cord, fetus 2	Diagnosis	ICD-10-CM
O693XX3		Labor and delivery complicated by short cord, fetus 3	Diagnosis	ICD-10-CM
O693XX4		Labor and delivery complicated by short cord, fetus 4	Diagnosis	ICD-10-CM
O693XX5		Labor and delivery complicated by short cord, fetus 5	Diagnosis	ICD-10-CM
O693XX9		Labor and delivery complicated by short cord, other fetus	Diagnosis	ICD-10-CM
O694XX0		Labor and delivery complicated by vasa previa, not applicable or unspecified	Diagnosis	ICD-10-CM

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Code	Duration	Description	Code Category	Code Type
O694XX1		Labor and delivery complicated by vasa previa, fetus 1	Diagnosis	ICD-10-CM
O694XX2		Labor and delivery complicated by vasa previa, fetus 2	Diagnosis	ICD-10-CM
O694XX3		Labor and delivery complicated by vasa previa, fetus 3	Diagnosis	ICD-10-CM
O694XX4		Labor and delivery complicated by vasa previa, fetus 4	Diagnosis	ICD-10-CM
O694XX5		Labor and delivery complicated by vasa previa, fetus 5	Diagnosis	ICD-10-CM
O694XX9		Labor and delivery complicated by vasa previa, other fetus	Diagnosis	ICD-10-CM
O695XX0		Labor and delivery complicated by vascular lesion of cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O695XX1		Labor and delivery complicated by vascular lesion of cord, fetus 1	Diagnosis	ICD-10-CM
O695XX2		Labor and delivery complicated by vascular lesion of cord, fetus 2	Diagnosis	ICD-10-CM
O695XX3		Labor and delivery complicated by vascular lesion of cord, fetus 3	Diagnosis	ICD-10-CM
O695XX4		Labor and delivery complicated by vascular lesion of cord, fetus 4	Diagnosis	ICD-10-CM
O695XX5		Labor and delivery complicated by vascular lesion of cord, fetus 5	Diagnosis	ICD-10-CM
O695XX9		Labor and delivery complicated by vascular lesion of cord, other fetus	Diagnosis	ICD-10-CM
O6981X0		Labor and delivery complicated by cord around neck, without compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O6981X1		Labor and delivery complicated by cord around neck, without compression, fetus 1	Diagnosis	ICD-10-CM
O6981X2		Labor and delivery complicated by cord around neck, without compression, fetus 2	Diagnosis	ICD-10-CM
O6981X3		Labor and delivery complicated by cord around neck, without compression, fetus 3	Diagnosis	ICD-10-CM
O6981X4		Labor and delivery complicated by cord around neck, without compression, fetus 4	Diagnosis	ICD-10-CM
O6981X5		Labor and delivery complicated by cord around neck, without compression, fetus 5	Diagnosis	ICD-10-CM
O6981X9		Labor and delivery complicated by cord around neck, without compression, other fetus	Diagnosis	ICD-10-CM
O6982X0		Labor and delivery complicated by other cord entanglement, without compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O6982X1		Labor and delivery complicated by other cord entanglement, without compression, fetus 1	Diagnosis	ICD-10-CM
O6982X2		Labor and delivery complicated by other cord entanglement, without compression, fetus 2	Diagnosis	ICD-10-CM
O6982X3		Labor and delivery complicated by other cord entanglement, without compression, fetus 3	Diagnosis	ICD-10-CM
O6982X4		Labor and delivery complicated by other cord entanglement, without compression, fetus 4	Diagnosis	ICD-10-CM
O6982X5		Labor and delivery complicated by other cord entanglement, without compression, fetus 5	Diagnosis	ICD-10-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
O6982X9		Labor and delivery complicated by other cord entanglement, without compression, other fetus	Diagnosis	ICD-10-CM
O6989X0		Labor and delivery complicated by other cord complications, not applicable or unspecified	Diagnosis	ICD-10-CM
O6989X1		Labor and delivery complicated by other cord complications, fetus 1	Diagnosis	ICD-10-CM
O6989X2		Labor and delivery complicated by other cord complications, fetus 2	Diagnosis	ICD-10-CM
O6989X3		Labor and delivery complicated by other cord complications, fetus 3	Diagnosis	ICD-10-CM
O6989X4		Labor and delivery complicated by other cord complications, fetus 4	Diagnosis	ICD-10-CM
O6989X5		Labor and delivery complicated by other cord complications, fetus 5	Diagnosis	ICD-10-CM
O6989X9		Labor and delivery complicated by other cord complications, other fetus	Diagnosis	ICD-10-CM
O699XX0		Labor and delivery complicated by cord complication, unspecified, not applicable or unspecified	Diagnosis	ICD-10-CM
O699XX1		Labor and delivery complicated by cord complication, unspecified, fetus 1	Diagnosis	ICD-10-CM
O699XX2		Labor and delivery complicated by cord complication, unspecified, fetus 2	Diagnosis	ICD-10-CM
O699XX3		Labor and delivery complicated by cord complication, unspecified, fetus 3	Diagnosis	ICD-10-CM
O699XX4		Labor and delivery complicated by cord complication, unspecified, fetus 4	Diagnosis	ICD-10-CM
O699XX5		Labor and delivery complicated by cord complication, unspecified, fetus 5	Diagnosis	ICD-10-CM
O699XX9		Labor and delivery complicated by cord complication, unspecified, other fetus	Diagnosis	ICD-10-CM
O700		First degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O701		Second degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O7020		Third degree perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM
O7021		Third degree perineal laceration during delivery, IIIa	Diagnosis	ICD-10-CM
O7022		Third degree perineal laceration during delivery, IIIb	Diagnosis	ICD-10-CM
O7023		Third degree perineal laceration during delivery, IIIc	Diagnosis	ICD-10-CM
O703		Fourth degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O704		Anal sphincter tear complicating delivery, not associated with third degree laceration	Diagnosis	ICD-10-CM
O709		Perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM
O740		Aspiration pneumonitis due to anesthesia during labor and delivery	Diagnosis	ICD-10-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
O741		Other pulmonary complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O742		Cardiac complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O743		Central nervous system complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O744		Toxic reaction to local anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O745		Spinal and epidural anesthesia-induced headache during labor and delivery	Diagnosis	ICD-10-CM
O746		Other complications of spinal and epidural anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O747		Failed or difficult intubation for anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O748		Other complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O749		Complication of anesthesia during labor and delivery, unspecified	Diagnosis	ICD-10-CM
O750		Maternal distress during labor and delivery	Diagnosis	ICD-10-CM
O751		Shock during or following labor and delivery	Diagnosis	ICD-10-CM
O755		Delayed delivery after artificial rupture of membranes	Diagnosis	ICD-10-CM
O7581		Maternal exhaustion complicating labor and delivery	Diagnosis	ICD-10-CM
O7582		Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section	Diagnosis	ICD-10-CM
O7589		Other specified complications of labor and delivery	Diagnosis	ICD-10-CM
O759		Complication of labor and delivery, unspecified	Diagnosis	ICD-10-CM
O76		Abnormality in fetal heart rate and rhythm complicating labor and delivery	Diagnosis	ICD-10-CM
O770		Labor and delivery complicated by meconium in amniotic fluid	Diagnosis	ICD-10-CM
O778		Labor and delivery complicated by other evidence of fetal stress	Diagnosis	ICD-10-CM
O779		Labor and delivery complicated by fetal stress, unspecified	Diagnosis	ICD-10-CM
O80		Encounter for full-term uncomplicated delivery	Diagnosis	ICD-10-CM
O82		Encounter for cesarean delivery without indication	Diagnosis	ICD-10-CM
O8802		Air embolism in childbirth	Diagnosis	ICD-10-CM
O8812		Amniotic fluid embolism in childbirth	Diagnosis	ICD-10-CM
O8822		Thromboembolism in childbirth	Diagnosis	ICD-10-CM
O8832		Pyemic and septic embolism in childbirth	Diagnosis	ICD-10-CM
O8882		Other embolism in childbirth	Diagnosis	ICD-10-CM
O9802		Tuberculosis complicating childbirth	Diagnosis	ICD-10-CM
O9812		Syphilis complicating childbirth	Diagnosis	ICD-10-CM
O9822		Gonorrhea complicating childbirth	Diagnosis	ICD-10-CM
O9832		Other infections with a predominantly sexual mode of transmission complicating childbirth	Diagnosis	ICD-10-CM
O9842		Viral hepatitis complicating childbirth	Diagnosis	ICD-10-CM
O9852		Other viral diseases complicating childbirth	Diagnosis	ICD-10-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
O9862		Protozoal diseases complicating childbirth	Diagnosis	ICD-10-CM
O9872		Human immunodeficiency virus [HIV] disease complicating childbirth	Diagnosis	ICD-10-CM
O9882		Other maternal infectious and parasitic diseases complicating childbirth	Diagnosis	ICD-10-CM
O9892		Unspecified maternal infectious and parasitic disease complicating childbirth	Diagnosis	ICD-10-CM
O9902		Anemia complicating childbirth	Diagnosis	ICD-10-CM
O9912		Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating childbirth	Diagnosis	ICD-10-CM
O99214		Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99284		Endocrine, nutritional and metabolic diseases complicating childbirth	Diagnosis	ICD-10-CM
O99314		Alcohol use complicating childbirth	Diagnosis	ICD-10-CM
O99324		Drug use complicating childbirth	Diagnosis	ICD-10-CM
O99334		Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM
O99344		Other mental disorders complicating childbirth	Diagnosis	ICD-10-CM
O99354		Diseases of the nervous system complicating childbirth	Diagnosis	ICD-10-CM
O9942		Diseases of the circulatory system complicating childbirth	Diagnosis	ICD-10-CM
O9952		Diseases of the respiratory system complicating childbirth	Diagnosis	ICD-10-CM
O9962		Diseases of the digestive system complicating childbirth	Diagnosis	ICD-10-CM
O9972		Diseases of the skin and subcutaneous tissue complicating childbirth	Diagnosis	ICD-10-CM
O99814		Abnormal glucose complicating childbirth	Diagnosis	ICD-10-CM
O99824		Streptococcus B carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99834		Other infection carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99844		Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM
O9A12		Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM
O9A22		Injury, poisoning and certain other consequences of external causes complicating childbirth	Diagnosis	ICD-10-CM
O9A32		Physical abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A42		Sexual abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A52		Psychological abuse complicating childbirth	Diagnosis	ICD-10-CM
P030		Newborn affected by breech delivery and extraction	Diagnosis	ICD-10-CM
P032		Newborn affected by forceps delivery	Diagnosis	ICD-10-CM
P033		Newborn affected by delivery by vacuum extractor [ventouse]	Diagnosis	ICD-10-CM
P034		Newborn affected by Cesarean delivery	Diagnosis	ICD-10-CM
P035		Newborn affected by precipitate delivery	Diagnosis	ICD-10-CM
P0700		Extremely low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0701		Extremely low birth weight newborn, less than 500 grams	Diagnosis	ICD-10-CM
P0702		Extremely low birth weight newborn, 500-749 grams	Diagnosis	ICD-10-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
P0703		Extremely low birth weight newborn, 750-999 grams	Diagnosis	ICD-10-CM
P0710		Other low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0714		Other low birth weight newborn, 1000-1249 grams	Diagnosis	ICD-10-CM
P0715		Other low birth weight newborn, 1250-1499 grams	Diagnosis	ICD-10-CM
P0716		Other low birth weight newborn, 1500-1749 grams	Diagnosis	ICD-10-CM
P0717		Other low birth weight newborn, 1750-1999 grams	Diagnosis	ICD-10-CM
P0718		Other low birth weight newborn, 2000-2499 grams	Diagnosis	ICD-10-CM
P0720		Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0721		Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM
P0722		Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM
P0723		Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM
P0724		Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM
P0725		Extreme immaturity of newborn, gestational age 26 completed weeks	Diagnosis	ICD-10-CM
P0726		Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM
P0730		Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0731		Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM
P0732		Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM
P0733		Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM
P0734		Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM
P0735		Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM
P0736		Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM
P0737		Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM
P0738		Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM
P0739		Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM
P0821		Post-term newborn	Diagnosis	ICD-10-CM
P0822		Prolonged gestation of newborn	Diagnosis	ICD-10-CM
V27		Outcome of delivery	Diagnosis	ICD-9-CM
V270		Outcome of delivery, single liveborn	Diagnosis	ICD-9-CM
V271		Outcome of delivery, single stillborn	Diagnosis	ICD-9-CM
V272		Outcome of delivery, twins, both liveborn	Diagnosis	ICD-9-CM
V273		Outcome of delivery, twins, one liveborn and one stillborn	Diagnosis	ICD-9-CM
V274		Outcome of delivery, twins, both stillborn	Diagnosis	ICD-9-CM
V275		Outcome of delivery, other multiple birth, all liveborn	Diagnosis	ICD-9-CM
V276		Outcome of delivery, other multiple birth, some liveborn	Diagnosis	ICD-9-CM
V277		Outcome of delivery, other multiple birth, all stillborn	Diagnosis	ICD-9-CM
V279		Outcome of delivery, unspecified	Diagnosis	ICD-9-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
V30		Single liveborn	Diagnosis	ICD-9-CM
V300		Single liveborn, born in hospital	Diagnosis	ICD-9-CM
V3000		Single liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3001		Single liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V301		Single liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V302		Single liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V31		Twin birth, mate liveborn	Diagnosis	ICD-9-CM
V310		Twin, mate liveborn, born in hospital	Diagnosis	ICD-9-CM
V3100		Twin, mate liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3101		Twin, mate liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V311		Twin birth, mate liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V312		Twin birth, mate liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V32		Twin birth, mate stillborn	Diagnosis	ICD-9-CM
V320		Twin, mate stillborn, born in hospital	Diagnosis	ICD-9-CM
V3200		Twin, mate stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3201		Twin, mate stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V321		Twin birth, mate stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V322		Twin birth, mate stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V33		Twin birth, unspecified whether mate liveborn or stillborn	Diagnosis	ICD-9-CM
V330		Twin, unspecified, born in hospital	Diagnosis	ICD-9-CM
V3300		Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3301		Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V331		Twin birth, unspecified whether mate liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V332		Twin birth, unspecified whether mate liveborn or stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V34		Other multiple birth (three or more), mates all liveborn	Diagnosis	ICD-9-CM
V340		Other multiple, mates all liveborn, born in hospital	Diagnosis	ICD-9-CM
V3400		Other multiple, mates all liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3401		Other multiple, mates all liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
V341		Other multiple birth (three or more), mates all liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V342		Other multiple birth (three or more), mates all liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V35		Other multiple birth (three or more), mates all stillborn	Diagnosis	ICD-9-CM
V350		Other multiple, mates all stillborn, born in hospital	Diagnosis	ICD-9-CM
V3500		Other multiple, mates all stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3501		Other multiple, mates all stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V351		Other multiple birth (three or more), mates all stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V352		Other multiple birth (three or more), mates all stillborn, born outside of hospital and not hospitalized	Diagnosis	ICD-9-CM
V36		Other multiple birth (three or more), mates liveborn and stillborn	Diagnosis	ICD-9-CM
V360		Other multiple, mates liveborn and stillborn, born in hospital	Diagnosis	ICD-9-CM
V3600		Other multiple, mates liveborn and stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3601		Other multiple, mates liveborn and stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V361		Other multiple birth (three or more), mates liveborn and stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V362		Other multiple birth (three or more), mates liveborn and stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V37		Other multiple birth (three or more), unspecified whether mates liveborn or stillborn	Diagnosis	ICD-9-CM
V370		Other multiple, unspecified whether mates stillborn or liveborn, born in hospital	Diagnosis	ICD-9-CM
V3700		Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3701		Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V371		Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V372		Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born outside of hospital	Diagnosis	ICD-9-CM
V39		Liveborn, unspecified whether single, twin, or multiple	Diagnosis	ICD-9-CM
V390		Other liveborn, unspecified whether single, twin, or multiple, born in hospital	Diagnosis	ICD-9-CM
V3900		Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM

Appendix B. 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 Used to Define Gestational Age Algorithm in this Request

Code	Duration	Description	Code Category	Code Type
V3901		Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered by cesarean	Diagnosis	ICD-9-CM
V391		Liveborn, unspecified whether single, twin or multiple, born before admission to hospital	Diagnosis	ICD-9-CM
V392		Liveborn, unspecified whether single, twin or multiple, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
Z370		Single live birth	Diagnosis	ICD-10-CM
Z372		Twins, both liveborn	Diagnosis	ICD-10-CM
Z373		Twins, one liveborn and one stillborn	Diagnosis	ICD-10-CM
Z3750		Multiple births, unspecified, all liveborn	Diagnosis	ICD-10-CM
Z3751		Triplets, all liveborn	Diagnosis	ICD-10-CM
Z3752		Quadruplets, all liveborn	Diagnosis	ICD-10-CM
Z3753		Quintuplets, all liveborn	Diagnosis	ICD-10-CM
Z3754		Sextuplets, all liveborn	Diagnosis	ICD-10-CM
Z3759		Other multiple births, all liveborn	Diagnosis	ICD-10-CM
Z3760		Multiple births, unspecified, some liveborn	Diagnosis	ICD-10-CM
Z3761		Triplets, some liveborn	Diagnosis	ICD-10-CM
Z3762		Quadruplets, some liveborn	Diagnosis	ICD-10-CM
Z3763		Quintuplets, some liveborn	Diagnosis	ICD-10-CM
Z3764		Sextuplets, some liveborn	Diagnosis	ICD-10-CM
Z3769		Other multiple births, some liveborn	Diagnosis	ICD-10-CM
Z379		Outcome of delivery, unspecified	Diagnosis	ICD-10-CM
Z3800		Single liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3801		Single liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z381		Single liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z382		Single liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM
Z3830		Twin liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3831		Twin liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z384		Twin liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z385		Twin liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM
Z3861		Triplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3862		Triplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3863		Quadruplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3864		Quadruplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3865		Quintuplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3866		Quintuplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3868		Other multiple liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3869		Other multiple liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z387		Other multiple liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z388		Other multiple liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
	Live Birth Delivery		
0W8NXZZ	Division of Female Perineum, External Approach	Procedure	ICD-10-PCS
10900ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Open Approach	Procedure	ICD-10-PCS
10903ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Approach	Procedure	ICD-10-PCS
10904ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
10907ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10908ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
10D00Z0	Extraction of Products of Conception, Classical, Open Approach	Procedure	ICD-10-PCS
10D00Z1	Extraction of Products of Conception, Low Cervical, Open Approach	Procedure	ICD-10-PCS
10D00Z2	Extraction of Products of Conception, Extraperitoneal, Open Approach	Procedure	ICD-10-PCS
10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10E0XZZ	Delivery of Products of Conception, External Approach	Procedure	ICD-10-PCS
10S07ZZ	Reposition Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
59400	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care	Procedure	CPT-4
59409	Vaginal delivery only (with or without episiotomy and/or forceps);	Procedure	CPT-4
59410	Vaginal delivery only (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4
59510	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care	Procedure	CPT-4

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
59514	Cesarean delivery only;	Procedure	CPT-4
59515	Cesarean delivery only; including postpartum care	Procedure	CPT-4
59610	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care, after previous cesarean delivery	Procedure	CPT-4
59612	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps);	Procedure	CPT-4
59614	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4
59618	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care, following attempted vaginal delivery after previous cesarean delivery	Procedure	CPT-4
59620	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery;	Procedure	CPT-4
59622	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery; including postpartum care	Procedure	CPT-4
64101	Placenta previa without hemorrhage, with delivery	Diagnosis	ICD-9-CM
64111	Hemorrhage from placenta previa, with delivery	Diagnosis	ICD-9-CM
64121	Premature separation of placenta, with delivery	Diagnosis	ICD-9-CM
64131	Antepartum hemorrhage associated with coagulation defects, with delivery	Diagnosis	ICD-9-CM
64181	Other antepartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
64191	Unspecified antepartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
64201	Benign essential hypertension with delivery	Diagnosis	ICD-9-CM
64202	Benign essential hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64211	Hypertension secondary to renal disease, with delivery	Diagnosis	ICD-9-CM
64212	Hypertension secondary to renal disease, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64221	Other pre-existing hypertension, with delivery	Diagnosis	ICD-9-CM
64222	Other pre-existing hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64231	Transient hypertension of pregnancy, with delivery	Diagnosis	ICD-9-CM
64232	Transient hypertension of pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64241	Mild or unspecified pre-eclampsia, with delivery	Diagnosis	ICD-9-CM
64242	Mild or unspecified pre-eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
64251	Severe pre-eclampsia, with delivery	Diagnosis	ICD-9-CM
64252	Severe pre-eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64261	Eclampsia, with delivery	Diagnosis	ICD-9-CM
64262	Eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64271	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery	Diagnosis	ICD-9-CM
64272	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64291	Unspecified hypertension, with delivery	Diagnosis	ICD-9-CM
64292	Unspecified hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64301	Mild hyperemesis gravidarum, delivered	Diagnosis	ICD-9-CM
64311	Hyperemesis gravidarum with metabolic disturbance, delivered	Diagnosis	ICD-9-CM
64321	Late vomiting of pregnancy, delivered	Diagnosis	ICD-9-CM
64381	Other vomiting complicating pregnancy, delivered	Diagnosis	ICD-9-CM
64391	Unspecified vomiting of pregnancy, delivered	Diagnosis	ICD-9-CM
64421	Early onset of delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64501	Prolonged pregnancy, with delivery	Diagnosis	ICD-9-CM
64511	Post term pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64521	Prolonged pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64522		Diagnosis	ICD-9-CM
64601	Papyraceous fetus, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64611	Edema or excessive weight gain in pregnancy, with delivery, with or without mention of antepartum complication	Diagnosis	ICD-9-CM
64612	Edema or excessive weight gain in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64621	Unspecified renal disease in pregnancy, with delivery	Diagnosis	ICD-9-CM
64622	Unspecified renal disease in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64631	Pregnancy complication, recurrent pregnancy loss, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64641	Peripheral neuritis in pregnancy, with delivery	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
64642	Peripheral neuritis in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64651	Asymptomatic bacteriuria in pregnancy, with delivery	Diagnosis	ICD-9-CM
64652	Asymptomatic bacteriuria in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64661	Infections of genitourinary tract in pregnancy, with delivery	Diagnosis	ICD-9-CM
64662	Infections of genitourinary tract in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64671	Liver and biliary tract disorders in pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64681	Other specified complication of pregnancy, with delivery	Diagnosis	ICD-9-CM
64682	Other specified complications of pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64691	Unspecified complication of pregnancy, with delivery	Diagnosis	ICD-9-CM
64701	Maternal syphilis, complicating pregnancy, with delivery	Diagnosis	ICD-9-CM
64702	Maternal syphilis, complicating pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64711	Maternal gonorrhea with delivery	Diagnosis	ICD-9-CM
64712	Maternal gonorrhea, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64721	Other maternal venereal diseases with delivery	Diagnosis	ICD-9-CM
64722	Other maternal venereal diseases with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64731	Maternal tuberculosis with delivery	Diagnosis	ICD-9-CM
64732	Maternal tuberculosis with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64741	Maternal malaria with delivery	Diagnosis	ICD-9-CM
64742	Maternal malaria with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64751	Maternal rubella with delivery	Diagnosis	ICD-9-CM
64752	Maternal rubella with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64761	Other maternal viral disease with delivery	Diagnosis	ICD-9-CM
64762	Other maternal viral disease with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64781	Other specified maternal infectious and parasitic disease with delivery	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
64782	Other specified maternal infectious and parasitic disease with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64791	Unspecified maternal infection or infestation with delivery	Diagnosis	ICD-9-CM
64792	Unspecified maternal infection or infestation with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64801	Maternal diabetes mellitus with delivery	Diagnosis	ICD-9-CM
64802	Maternal diabetes mellitus with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64811	Maternal thyroid dysfunction with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64812	Maternal thyroid dysfunction with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64821	Maternal anemia, with delivery	Diagnosis	ICD-9-CM
64822	Maternal anemia with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64831	Maternal drug dependence, with delivery	Diagnosis	ICD-9-CM
64832	Maternal drug dependence, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64841	Maternal mental disorders, with delivery	Diagnosis	ICD-9-CM
64842	Maternal mental disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64851	Maternal congenital cardiovascular disorders, with delivery	Diagnosis	ICD-9-CM
64852	Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64861	Other maternal cardiovascular diseases, with delivery	Diagnosis	ICD-9-CM
64862	Other maternal cardiovascular diseases, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64871	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery	Diagnosis	ICD-9-CM
64872	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64881	Abnormal maternal glucose tolerance, with delivery	Diagnosis	ICD-9-CM
64882	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64891	Other current maternal conditions classifiable elsewhere, with delivery	Diagnosis	ICD-9-CM
64892	Other current maternal conditions classifiable elsewhere, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
64901	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64902	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64911	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64912	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64921	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64922	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64931	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64932	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64941	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64942	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64951	Spotting complicating pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64961	Uterine size date discrepancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64962	Uterine size date discrepancy, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64971	Cervical shortening, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
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	Diagnosis	ICD-9-CM
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	Diagnosis	ICD-9-CM

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

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Code	Description	Code Category	Code Type
65402	Congenital abnormalities of pregnant uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65411	Tumors of body of uterus, delivered	Diagnosis	ICD-9-CM
65412	Tumors of body of uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65421	Previous cesarean delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65431	Retroverted and incarcerated gravid uterus, delivered	Diagnosis	ICD-9-CM
65432	Retroverted and incarcerated gravid uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65441	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered	Diagnosis	ICD-9-CM
65442	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65451	Cervical incompetence, delivered	Diagnosis	ICD-9-CM
65452	Cervical incompetence, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65461	Other congenital or acquired abnormality of cervix, with delivery	Diagnosis	ICD-9-CM
65462	Other congenital or acquired abnormality of cervix, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65471	Congenital or acquired abnormality of vagina, with delivery	Diagnosis	ICD-9-CM
65472	Congenital or acquired abnormality of vagina, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65481	Congenital or acquired abnormality of vulva, with delivery	Diagnosis	ICD-9-CM
65482	Congenital or acquired abnormality of vulva, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65491	Other and unspecified abnormality of organs and soft tissues of pelvis, with delivery	Diagnosis	ICD-9-CM
65492	Other and unspecified abnormality of organs and soft tissues of pelvis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65501	Central nervous system malformation in fetus, with delivery	Diagnosis	ICD-9-CM
65511	Chromosomal abnormality in fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65521	Hereditary disease in family possibly affecting fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65531	Suspected damage to fetus from viral disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
65541	Suspected damage to fetus from other disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65551	Suspected damage to fetus from drugs, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65561	Suspected damage to fetus from radiation, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65571	Decreased fetal movements, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65581	Other known or suspected fetal abnormality, not elsewhere classified, affecting management of mother, delivery	Diagnosis	ICD-9-CM
65591	Unspecified fetal abnormality affecting management of mother, delivery	Diagnosis	ICD-9-CM
65601	Fetal-maternal hemorrhage, with delivery	Diagnosis	ICD-9-CM
65611	Rhesus isoimmunization affecting management of mother, delivered	Diagnosis	ICD-9-CM
65621	Isoimmunization from other and unspecified blood-group incompatibility, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65631	Fetal distress affecting management of mother, delivered	Diagnosis	ICD-9-CM
65641	Intrauterine death affecting management of mother, delivered	Diagnosis	ICD-9-CM
65651	Poor fetal growth, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65661	Excessive fetal growth affecting management of mother, delivered	Diagnosis	ICD-9-CM
65671	Other placental conditions affecting management of mother, delivered	Diagnosis	ICD-9-CM
65681	Other specified fetal and placental problems affecting management of mother, delivered	Diagnosis	ICD-9-CM
65691	Unspecified fetal and placental problem affecting management of mother, delivered	Diagnosis	ICD-9-CM
65701	Polyhydramnios, with delivery	Diagnosis	ICD-9-CM
65801	Oligohydramnios, delivered	Diagnosis	ICD-9-CM
65811	Premature rupture of membranes in pregnancy, delivered	Diagnosis	ICD-9-CM
65821	Delayed delivery after spontaneous or unspecified rupture of membranes, delivered	Diagnosis	ICD-9-CM
65831	Delayed delivery after artificial rupture of membranes, delivered	Diagnosis	ICD-9-CM
65841	Infection of amniotic cavity, delivered	Diagnosis	ICD-9-CM
65881	Other problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65891	Unspecified problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65901	Failed mechanical induction of labor, delivered	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
65911	Failed medical or unspecified induction of labor, delivered	Diagnosis	ICD-9-CM
65921	Unspecified maternal pyrexia during labor, delivered	Diagnosis	ICD-9-CM
65931	Generalized infection during labor, delivered	Diagnosis	ICD-9-CM
65941	Grand multiparity, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65951	Elderly primigravida, delivered	Diagnosis	ICD-9-CM
65961	Elderly multigravida, delivered, with mention of antepartum condition	Diagnosis	ICD-9-CM
65971	Abnormality in fetal heart rate or rhythm, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65981	Other specified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM
65991	Unspecified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM
66001	Obstruction caused by malposition of fetus at onset of labor, delivered	Diagnosis	ICD-9-CM
66011	Obstruction by bony pelvis during labor and delivery, delivered	Diagnosis	ICD-9-CM
66021	Obstruction by abnormal pelvic soft tissues during labor and delivery, delivered	Diagnosis	ICD-9-CM
66031	Deep transverse arrest and persistent occipitoposterior position during labor and deliver, delivered	Diagnosis	ICD-9-CM
66041	Shoulder (girdle) dystocia during labor and deliver, delivered	Diagnosis	ICD-9-CM
66051	Locked twins, delivered	Diagnosis	ICD-9-CM
66061	Unspecified failed trial of labor, delivered	Diagnosis	ICD-9-CM
66071	Unspecified failed forceps or vacuum extractor, delivered	Diagnosis	ICD-9-CM
66081	Other causes of obstructed labor, delivered	Diagnosis	ICD-9-CM
66091	Unspecified obstructed labor, with delivery	Diagnosis	ICD-9-CM
66101	Primary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66111	Secondary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66121	Other and unspecified uterine inertia, with delivery	Diagnosis	ICD-9-CM
66131	Precipitate labor, with delivery	Diagnosis	ICD-9-CM
66141	Hypertonic, incoordinate, or prolonged uterine contractions, with delivery	Diagnosis	ICD-9-CM
66191	Unspecified abnormality of labor, with delivery	Diagnosis	ICD-9-CM
66201	Prolonged first stage of labor, delivered	Diagnosis	ICD-9-CM
66211	Unspecified prolonged labor, delivered	Diagnosis	ICD-9-CM
66221	Prolonged second stage of labor, delivered	Diagnosis	ICD-9-CM
66231	Delayed delivery of second twin, triplet, etc., delivered	Diagnosis	ICD-9-CM
66301	Prolapse of cord, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
66311	Cord around neck, with compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66321	Other and unspecified cord entanglement, with compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66331	Other and unspecified cord entanglement, without mention of compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66341	Short cord complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66351	Vasa previa complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66361	Vascular lesions of cord complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66381	Other umbilical cord complications during labor and delivery, delivered	Diagnosis	ICD-9-CM
66391	Unspecified umbilical cord complication during labor and delivery, delivered	Diagnosis	ICD-9-CM
66401	First-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66411	Second-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66421	Third-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66431	Fourth-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66441	Unspecified perineal laceration, with delivery	Diagnosis	ICD-9-CM
66451	Vulvar and perineal hematoma, with delivery	Diagnosis	ICD-9-CM
66461	Anal sphincter tear complicating delivery, not associated with third-degree perineal laceration, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66481	Other specified trauma to perineum and vulva, with delivery	Diagnosis	ICD-9-CM
66491	Unspecified trauma to perineum and vulva, with delivery	Diagnosis	ICD-9-CM
66501	Rupture of uterus before onset of labor, with delivery	Diagnosis	ICD-9-CM
66511	Rupture of uterus during labor, with delivery	Diagnosis	ICD-9-CM
66522	Inversion of uterus, delivered with postpartum complication	Diagnosis	ICD-9-CM
66531	Laceration of cervix, with delivery	Diagnosis	ICD-9-CM
66541	High vaginal laceration, with delivery	Diagnosis	ICD-9-CM
66551	Other injury to pelvic organs, with delivery	Diagnosis	ICD-9-CM
66561	Damage to pelvic joints and ligaments, with delivery	Diagnosis	ICD-9-CM
66571	Pelvic hematoma, with delivery	Diagnosis	ICD-9-CM
66572	Pelvic hematoma, delivered with postpartum complication	Diagnosis	ICD-9-CM
66581	Other specified obstetrical trauma, with delivery	Diagnosis	ICD-9-CM
66582	Other specified obstetrical trauma, delivered, with postpartum	Diagnosis	ICD-9-CM
66591	Unspecified obstetrical trauma, with delivery	Diagnosis	ICD-9-CM
66592	Unspecified obstetrical trauma, delivered, with postpartum complication	Diagnosis	ICD-9-CM

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

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Code	Description	Code Category	Code Type
66911	Shock during or following labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66912	Shock during or following labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66921	Maternal hypotension syndrome, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66922	Maternal hypotension syndrome, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66932	Acute kidney failure following labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66941	Other complications of obstetrical surgery and procedures, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66942	Other complications of obstetrical surgery and procedures, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66951	Forceps or vacuum extractor delivery without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66961	Breech extraction, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66971	Cesarean delivery, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66981	Other complication of labor and delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66982	Other complication of labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66991	Unspecified complication of labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66992	Unspecified complication of labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67002	Major puerperal infection, unspecified, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67012	Puerperal endometritis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67022	Puerperal sepsis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67032	Puerperal septic thrombophlebitis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67082	Other major puerperal infection, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
67101	Varicose veins of legs, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67102	Varicose veins of legs, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67111	Varicose veins of vulva and perineum, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67112	Varicose veins of vulva and perineum, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67121	Superficial thrombophlebitis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67122	Superficial thrombophlebitis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67131	Deep phlebothrombosis, antepartum, with delivery	Diagnosis	ICD-9-CM
67142	Deep phlebothrombosis, postpartum, with delivery	Diagnosis	ICD-9-CM
67151	Other phlebitis and thrombosis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67152	Other phlebitis and thrombosis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67181	Other venous complication, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67182	Other venous complication, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67191	Unspecified venous complication, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67192	Unspecified venous complication, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67202	Puerperal pyrexia of unknown origin, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67301	Obstetrical air embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67302	Obstetrical air embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67311	Amniotic fluid embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67312	Amniotic fluid embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67321	Obstetrical blood-clot embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
67322	Obstetrical blood-clot embolism, with mention of postpartum complication	Diagnosis	ICD-9-CM
67331	Obstetrical pyemic and septic embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67332	Obstetrical pyemic and septic embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67381	Other obstetrical pulmonary embolism, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67382	Other obstetrical pulmonary embolism, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67401	Cerebrovascular disorder, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67402	Cerebrovascular disorder, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67412	Disruption of cesarean wound, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67422	Disruption of perineal wound, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67432	Other complication of obstetrical surgical wounds, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67442	Placental polyp, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67451	Peripartum cardiomyopathy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67452	Peripartum cardiomyopathy, delivered, with mention of postpartum condition	Diagnosis	ICD-9-CM
67482	Other complication of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67492	Unspecified complications of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67501	Infection of nipple associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67502	Infection of nipple associated with childbirth, delivered with mention of postpartum complication	Diagnosis	ICD-9-CM
67511	Abscess of breast associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67512	Abscess of breast associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

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Code	Description	Code Category	Code Type
67661	Galactorrhea, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67662	Galactorrhea, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67681	Other disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67682	Other disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67691	Unspecified disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67692	Unspecified disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67801	Fetal hematologic conditions, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67811	Fetal conjoined twins, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67901	Maternal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67902	Maternal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67911	Fetal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67912	Fetal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
72	Forceps, vacuum, and breech delivery	Procedure	ICD-9-CM
720	Low forceps operation	Procedure	ICD-9-CM
721	Low forceps operation with episiotomy	Procedure	ICD-9-CM
722	Mid forceps operation	Procedure	ICD-9-CM
7221	Mid forceps operation with episiotomy	Procedure	ICD-9-CM
7229	Other mid forceps operation	Procedure	ICD-9-CM
723	High forceps operation	Procedure	ICD-9-CM
7231	High forceps operation with episiotomy	Procedure	ICD-9-CM
7239	Other high forceps operation	Procedure	ICD-9-CM
724	Forceps rotation of fetal head	Procedure	ICD-9-CM
725	Breech extraction	Procedure	ICD-9-CM
7251	Partial breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM
7252	Other partial breech extraction	Procedure	ICD-9-CM
7253	Total breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM

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Code	Description	Code Category	Code Type
7254	Other total breech extraction	Procedure	ICD-9-CM
726	Forceps application to aftercoming head	Procedure	ICD-9-CM
727	Vacuum extraction	Procedure	ICD-9-CM
7271	Vacuum extraction with episiotomy	Procedure	ICD-9-CM
7279	Other vacuum extraction	Procedure	ICD-9-CM
728	Other specified instrumental delivery	Procedure	ICD-9-CM
729	Unspecified instrumental delivery	Procedure	ICD-9-CM
73	Other procedures inducing or assisting delivery	Procedure	ICD-9-CM
730	Artificial rupture of membranes	Procedure	ICD-9-CM
7301	Induction of labor by artificial rupture of membranes	Procedure	ICD-9-CM
7309	Other artificial rupture of membranes	Procedure	ICD-9-CM
731	Other surgical induction of labor	Procedure	ICD-9-CM
732	Internal and combined version and extraction	Procedure	ICD-9-CM
7321	Internal and combined version without extraction	Procedure	ICD-9-CM
7322	Internal and combined version with extraction	Procedure	ICD-9-CM
733	Failed forceps	Procedure	ICD-9-CM
734	Medical induction of labor	Procedure	ICD-9-CM
735	Manually assisted delivery	Procedure	ICD-9-CM
7351	Manual rotation of fetal head	Procedure	ICD-9-CM
7359	Other manually assisted delivery	Procedure	ICD-9-CM
736	Episiotomy	Procedure	ICD-9-CM
738	Operations on fetus to facilitate delivery	Procedure	ICD-9-CM
739	Other operations assisting delivery	Procedure	ICD-9-CM
7391	External version to assist delivery	Procedure	ICD-9-CM
7392	Replacement of prolapsed umbilical cord	Procedure	ICD-9-CM
7393	Incision of cervix to assist delivery	Procedure	ICD-9-CM
7394	Pubiotomy to assist delivery	Procedure	ICD-9-CM
7399	Other operations to assist delivery	Procedure	ICD-9-CM
740	Classical cesarean section	Procedure	ICD-9-CM
741	Low cervical cesarean section	Procedure	ICD-9-CM
742	Extraperitoneal cesarean section	Procedure	ICD-9-CM
744	Cesarean section of other specified type	Procedure	ICD-9-CM
749	Cesarean section of unspecified type	Procedure	ICD-9-CM
7499	Other cesarean section of unspecified type	Procedure	ICD-9-CM
7630	Fetus or newborn affected by breech delivery and extraction	Diagnosis	ICD-9-CM
7632	Fetus or newborn affected by forceps delivery	Diagnosis	ICD-9-CM
7633	Fetus or newborn affected by delivery by vacuum extractor	Diagnosis	ICD-9-CM
7634	Fetus or newborn affected by cesarean delivery	Diagnosis	ICD-9-CM
7636	Fetus or newborn affected by precipitate delivery	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
7680	Fetal death from asphyxia or anoxia before onset of labor or at unspecified time	Diagnosis	ICD-9-CM
7681	Fetal death from asphyxia or anoxia during labor	Diagnosis	ICD-9-CM
O1002	Pre-existing essential hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1012	Pre-existing hypertensive heart disease complicating childbirth	Diagnosis	ICD-10-CM
O1022	Pre-existing hypertensive chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1032	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1042	Pre-existing secondary hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1092	Unspecified pre-existing hypertension complicating childbirth	Diagnosis	ICD-10-CM
O114	Pre-existing hypertension with pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1204	Gestational edema, complicating childbirth	Diagnosis	ICD-10-CM
O1214	Gestational proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1224	Gestational edema with proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O134	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1404	Mild to moderate pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1414	Severe pre-eclampsia complicating childbirth	Diagnosis	ICD-10-CM
O1424	HELLP syndrome, complicating childbirth	Diagnosis	ICD-10-CM
O1494	Unspecified pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O164	Unspecified maternal hypertension, complicating childbirth	Diagnosis	ICD-10-CM
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24420	Gestational diabetes mellitus in childbirth, diet controlled	Diagnosis	ICD-10-CM
O24424	Gestational diabetes mellitus in childbirth, insulin controlled	Diagnosis	ICD-10-CM
O24425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24429	Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM
O2482	Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2492	Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O252	Malnutrition in childbirth	Diagnosis	ICD-10-CM
O2662	Liver and biliary tract disorders in childbirth	Diagnosis	ICD-10-CM
O2672	Subluxation of symphysis (pubis) in childbirth	Diagnosis	ICD-10-CM
O6012X0	Preterm labor second trimester with preterm delivery second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
O6012X1	Preterm labor second trimester with preterm delivery second trimester, fetus 1	Diagnosis	ICD-10-CM
O6012X2	Preterm labor second trimester with preterm delivery second trimester, fetus 2	Diagnosis	ICD-10-CM
O6012X3	Preterm labor second trimester with preterm delivery second trimester, fetus 3	Diagnosis	ICD-10-CM
O6012X4	Preterm labor second trimester with preterm delivery second trimester, fetus 4	Diagnosis	ICD-10-CM
O6012X5	Preterm labor second trimester with preterm delivery second trimester, fetus 5	Diagnosis	ICD-10-CM
O6012X9	Preterm labor second trimester with preterm delivery second trimester, other fetus	Diagnosis	ICD-10-CM
O6013X0	Preterm labor second trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6013X1	Preterm labor second trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM
O6013X2	Preterm labor second trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM
O6013X3	Preterm labor second trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM
O6013X4	Preterm labor second trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM
O6013X5	Preterm labor second trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM
O6013X9	Preterm labor second trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM
O6014X0	Preterm labor third trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6014X1	Preterm labor third trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM
O6014X2	Preterm labor third trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM
O6014X3	Preterm labor third trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM
O6014X4	Preterm labor third trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM
O6014X5	Preterm labor third trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
O6014X9	Preterm labor third trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM
O6022X0	Term delivery with preterm labor, second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6022X1	Term delivery with preterm labor, second trimester, fetus 1	Diagnosis	ICD-10-CM
O6022X2	Term delivery with preterm labor, second trimester, fetus 2	Diagnosis	ICD-10-CM
O6022X3	Term delivery with preterm labor, second trimester, fetus 3	Diagnosis	ICD-10-CM
O6022X4	Term delivery with preterm labor, second trimester, fetus 4	Diagnosis	ICD-10-CM
O6022X5	Term delivery with preterm labor, second trimester, fetus 5	Diagnosis	ICD-10-CM
O6022X9	Term delivery with preterm labor, second trimester, other fetus	Diagnosis	ICD-10-CM
O6023X0	Term delivery with preterm labor, third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6023X1	Term delivery with preterm labor, third trimester, fetus 1	Diagnosis	ICD-10-CM
O6023X2	Term delivery with preterm labor, third trimester, fetus 2	Diagnosis	ICD-10-CM
O6023X3	Term delivery with preterm labor, third trimester, fetus 3	Diagnosis	ICD-10-CM
O6023X4	Term delivery with preterm labor, third trimester, fetus 4	Diagnosis	ICD-10-CM
O6023X5	Term delivery with preterm labor, third trimester, fetus 5	Diagnosis	ICD-10-CM
O6023X9	Term delivery with preterm labor, third trimester, other fetus	Diagnosis	ICD-10-CM
O632	Delayed delivery of second twin, triplet, etc	Diagnosis	ICD-10-CM
O670	Intrapartum hemorrhage with coagulation defect	Diagnosis	ICD-10-CM
O678	Other intrapartum hemorrhage	Diagnosis	ICD-10-CM
O679	Intrapartum hemorrhage, unspecified	Diagnosis	ICD-10-CM
O68	Labor and delivery complicated by abnormality of fetal acid-base balance	Diagnosis	ICD-10-CM
O690XX0	Labor and delivery complicated by prolapse of cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O690XX1	Labor and delivery complicated by prolapse of cord, fetus 1	Diagnosis	ICD-10-CM
O690XX2	Labor and delivery complicated by prolapse of cord, fetus 2	Diagnosis	ICD-10-CM
O690XX3	Labor and delivery complicated by prolapse of cord, fetus 3	Diagnosis	ICD-10-CM
O690XX4	Labor and delivery complicated by prolapse of cord, fetus 4	Diagnosis	ICD-10-CM
O690XX5	Labor and delivery complicated by prolapse of cord, fetus 5	Diagnosis	ICD-10-CM
O690XX9	Labor and delivery complicated by prolapse of cord, other fetus	Diagnosis	ICD-10-CM
O691XX0	Labor and delivery complicated by cord around neck, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O691XX1	Labor and delivery complicated by cord around neck, with compression, fetus 1	Diagnosis	ICD-10-CM
O691XX2	Labor and delivery complicated by cord around neck, with compression, fetus 2	Diagnosis	ICD-10-CM
O691XX3	Labor and delivery complicated by cord around neck, with compression, fetus 3	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
O691XX4	Labor and delivery complicated by cord around neck, with compression, fetus 4	Diagnosis	ICD-10-CM
O691XX5	Labor and delivery complicated by cord around neck, with compression, fetus 5	Diagnosis	ICD-10-CM
O691XX9	Labor and delivery complicated by cord around neck, with compression, other fetus	Diagnosis	ICD-10-CM
O692XX0	Labor and delivery complicated by other cord entanglement, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O692XX1	Labor and delivery complicated by other cord entanglement, with compression, fetus 1	Diagnosis	ICD-10-CM
O692XX2	Labor and delivery complicated by other cord entanglement, with compression, fetus 2	Diagnosis	ICD-10-CM
O692XX3	Labor and delivery complicated by other cord entanglement, with compression, fetus 3	Diagnosis	ICD-10-CM
O692XX4	Labor and delivery complicated by other cord entanglement, with compression, fetus 4	Diagnosis	ICD-10-CM
O692XX5	Labor and delivery complicated by other cord entanglement, with compression, fetus 5	Diagnosis	ICD-10-CM
O692XX9	Labor and delivery complicated by other cord entanglement, with compression, other fetus	Diagnosis	ICD-10-CM
O693XX0	Labor and delivery complicated by short cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O693XX1	Labor and delivery complicated by short cord, fetus 1	Diagnosis	ICD-10-CM
O693XX2	Labor and delivery complicated by short cord, fetus 2	Diagnosis	ICD-10-CM
O693XX3	Labor and delivery complicated by short cord, fetus 3	Diagnosis	ICD-10-CM
O693XX4	Labor and delivery complicated by short cord, fetus 4	Diagnosis	ICD-10-CM
O693XX5	Labor and delivery complicated by short cord, fetus 5	Diagnosis	ICD-10-CM
O693XX9	Labor and delivery complicated by short cord, other fetus	Diagnosis	ICD-10-CM
O694XX0	Labor and delivery complicated by vasa previa, not applicable or unspecified	Diagnosis	ICD-10-CM
O694XX1	Labor and delivery complicated by vasa previa, fetus 1	Diagnosis	ICD-10-CM
O694XX2	Labor and delivery complicated by vasa previa, fetus 2	Diagnosis	ICD-10-CM
O694XX3	Labor and delivery complicated by vasa previa, fetus 3	Diagnosis	ICD-10-CM
O694XX4	Labor and delivery complicated by vasa previa, fetus 4	Diagnosis	ICD-10-CM
O694XX5	Labor and delivery complicated by vasa previa, fetus 5	Diagnosis	ICD-10-CM
O694XX9	Labor and delivery complicated by vasa previa, other fetus	Diagnosis	ICD-10-CM
O695XX0	Labor and delivery complicated by vascular lesion of cord, not applicable or unspecified	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
O695XX1	Labor and delivery complicated by vascular lesion of cord, fetus 1	Diagnosis	ICD-10-CM
O695XX2	Labor and delivery complicated by vascular lesion of cord, fetus 2	Diagnosis	ICD-10-CM
O695XX3	Labor and delivery complicated by vascular lesion of cord, fetus 3	Diagnosis	ICD-10-CM
O695XX4	Labor and delivery complicated by vascular lesion of cord, fetus 4	Diagnosis	ICD-10-CM
O695XX5	Labor and delivery complicated by vascular lesion of cord, fetus 5	Diagnosis	ICD-10-CM
O695XX9	Labor and delivery complicated by vascular lesion of cord, other fetus	Diagnosis	ICD-10-CM
O6981X0	Labor and delivery complicated by cord around neck, without compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O6981X1	Labor and delivery complicated by cord around neck, without compression, fetus 1	Diagnosis	ICD-10-CM
O6981X2	Labor and delivery complicated by cord around neck, without compression, fetus 2	Diagnosis	ICD-10-CM
O6981X3	Labor and delivery complicated by cord around neck, without compression, fetus 3	Diagnosis	ICD-10-CM
O6981X4	Labor and delivery complicated by cord around neck, without compression, fetus 4	Diagnosis	ICD-10-CM
O6981X5	Labor and delivery complicated by cord around neck, without compression, fetus 5	Diagnosis	ICD-10-CM
O6981X9	Labor and delivery complicated by cord around neck, without compression, other fetus	Diagnosis	ICD-10-CM
O6982X0	Labor and delivery complicated by other cord entanglement, without compression, not applicable or unspecified	Diagnosis	ICD-10-CM
O6982X1	Labor and delivery complicated by other cord entanglement, without compression, fetus 1	Diagnosis	ICD-10-CM
O6982X2	Labor and delivery complicated by other cord entanglement, without compression, fetus 2	Diagnosis	ICD-10-CM
O6982X3	Labor and delivery complicated by other cord entanglement, without compression, fetus 3	Diagnosis	ICD-10-CM
O6982X4	Labor and delivery complicated by other cord entanglement, without compression, fetus 4	Diagnosis	ICD-10-CM
O6982X5	Labor and delivery complicated by other cord entanglement, without compression, fetus 5	Diagnosis	ICD-10-CM
O6982X9	Labor and delivery complicated by other cord entanglement, without compression, other fetus	Diagnosis	ICD-10-CM
O6989X0	Labor and delivery complicated by other cord complications, not applicable or unspecified	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
O6989X1	Labor and delivery complicated by other cord complications, fetus 1	Diagnosis	ICD-10-CM
O6989X2	Labor and delivery complicated by other cord complications, fetus 2	Diagnosis	ICD-10-CM
O6989X3	Labor and delivery complicated by other cord complications, fetus 3	Diagnosis	ICD-10-CM
O6989X4	Labor and delivery complicated by other cord complications, fetus 4	Diagnosis	ICD-10-CM
O6989X5	Labor and delivery complicated by other cord complications, fetus 5	Diagnosis	ICD-10-CM
O6989X9	Labor and delivery complicated by other cord complications, other fetus	Diagnosis	ICD-10-CM
O699XX0	Labor and delivery complicated by cord complication, unspecified, not applicable or unspecified	Diagnosis	ICD-10-CM
O699XX1	Labor and delivery complicated by cord complication, unspecified, fetus 1	Diagnosis	ICD-10-CM
O699XX2	Labor and delivery complicated by cord complication, unspecified, fetus 2	Diagnosis	ICD-10-CM
O699XX3	Labor and delivery complicated by cord complication, unspecified, fetus 3	Diagnosis	ICD-10-CM
O699XX4	Labor and delivery complicated by cord complication, unspecified, fetus 4	Diagnosis	ICD-10-CM
O699XX5	Labor and delivery complicated by cord complication, unspecified, fetus 5	Diagnosis	ICD-10-CM
O699XX9	Labor and delivery complicated by cord complication, unspecified, other fetus	Diagnosis	ICD-10-CM
O700	First degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O701	Second degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O7020	Third degree perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM
O7021	Third degree perineal laceration during delivery, IIIa	Diagnosis	ICD-10-CM
O7022	Third degree perineal laceration during delivery, IIIb	Diagnosis	ICD-10-CM
O7023	Third degree perineal laceration during delivery, IIIc	Diagnosis	ICD-10-CM
O703	Fourth degree perineal laceration during delivery	Diagnosis	ICD-10-CM
O704	Anal sphincter tear complicating delivery, not associated with third degree laceration	Diagnosis	ICD-10-CM
O709	Perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM
O740	Aspiration pneumonitis due to anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O741	Other pulmonary complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O742	Cardiac complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O743	Central nervous system complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O744	Toxic reaction to local anesthesia during labor and delivery	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
O745	Spinal and epidural anesthesia-induced headache during labor and delivery	Diagnosis	ICD-10-CM
O746	Other complications of spinal and epidural anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O747	Failed or difficult intubation for anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O748	Other complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O749	Complication of anesthesia during labor and delivery, unspecified	Diagnosis	ICD-10-CM
O750	Maternal distress during labor and delivery	Diagnosis	ICD-10-CM
O751	Shock during or following labor and delivery	Diagnosis	ICD-10-CM
O755	Delayed delivery after artificial rupture of membranes	Diagnosis	ICD-10-CM
O7581	Maternal exhaustion complicating labor and delivery	Diagnosis	ICD-10-CM
O7582	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section	Diagnosis	ICD-10-CM
O7589	Other specified complications of labor and delivery	Diagnosis	ICD-10-CM
O759	Complication of labor and delivery, unspecified	Diagnosis	ICD-10-CM
O76	Abnormality in fetal heart rate and rhythm complicating labor and delivery	Diagnosis	ICD-10-CM
O770	Labor and delivery complicated by meconium in amniotic fluid	Diagnosis	ICD-10-CM
O778	Labor and delivery complicated by other evidence of fetal stress	Diagnosis	ICD-10-CM
O779	Labor and delivery complicated by fetal stress, unspecified	Diagnosis	ICD-10-CM
O80	Encounter for full-term uncomplicated delivery	Diagnosis	ICD-10-CM
O82	Encounter for cesarean delivery without indication	Diagnosis	ICD-10-CM
O8802	Air embolism in childbirth	Diagnosis	ICD-10-CM
O8812	Amniotic fluid embolism in childbirth	Diagnosis	ICD-10-CM
O8822	Thromboembolism in childbirth	Diagnosis	ICD-10-CM
O8832	Pyemic and septic embolism in childbirth	Diagnosis	ICD-10-CM
O8882	Other embolism in childbirth	Diagnosis	ICD-10-CM
O9802	Tuberculosis complicating childbirth	Diagnosis	ICD-10-CM
O9812	Syphilis complicating childbirth	Diagnosis	ICD-10-CM
O9822	Gonorrhea complicating childbirth	Diagnosis	ICD-10-CM
O9832	Other infections with a predominantly sexual mode of transmission complicating childbirth	Diagnosis	ICD-10-CM
O9842	Viral hepatitis complicating childbirth	Diagnosis	ICD-10-CM
O9852	Other viral diseases complicating childbirth	Diagnosis	ICD-10-CM
O9862	Protozoal diseases complicating childbirth	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
O9872	Human immunodeficiency virus [HIV] disease complicating childbirth	Diagnosis	ICD-10-CM
O9882	Other maternal infectious and parasitic diseases complicating childbirth	Diagnosis	ICD-10-CM
O9892	Unspecified maternal infectious and parasitic disease complicating childbirth	Diagnosis	ICD-10-CM
O9902	Anemia complicating childbirth	Diagnosis	ICD-10-CM
O9912	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating childbirth	Diagnosis	ICD-10-CM
O99214	Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99284	Endocrine, nutritional and metabolic diseases complicating childbirth	Diagnosis	ICD-10-CM
O99314	Alcohol use complicating childbirth	Diagnosis	ICD-10-CM
O99324	Drug use complicating childbirth	Diagnosis	ICD-10-CM
O99334	Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM
O99344	Other mental disorders complicating childbirth	Diagnosis	ICD-10-CM
O99354	Diseases of the nervous system complicating childbirth	Diagnosis	ICD-10-CM
O9942	Diseases of the circulatory system complicating childbirth	Diagnosis	ICD-10-CM
O9952	Diseases of the respiratory system complicating childbirth	Diagnosis	ICD-10-CM
O9962	Diseases of the digestive system complicating childbirth	Diagnosis	ICD-10-CM
O9972	Diseases of the skin and subcutaneous tissue complicating childbirth	Diagnosis	ICD-10-CM
O99814	Abnormal glucose complicating childbirth	Diagnosis	ICD-10-CM
O99824	Streptococcus B carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99834	Other infection carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM
O9A12	Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM
O9A22	Injury, poisoning and certain other consequences of external causes complicating childbirth	Diagnosis	ICD-10-CM
O9A32	Physical abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A42	Sexual abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A52	Psychological abuse complicating childbirth	Diagnosis	ICD-10-CM
P030	Newborn affected by breech delivery and extraction	Diagnosis	ICD-10-CM
P032	Newborn affected by forceps delivery	Diagnosis	ICD-10-CM
P033	Newborn affected by delivery by vacuum extractor [ventouse]	Diagnosis	ICD-10-CM
P034	Newborn affected by Cesarean delivery	Diagnosis	ICD-10-CM
P035	Newborn affected by precipitate delivery	Diagnosis	ICD-10-CM
P0700	Extremely low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0701	Extremely low birth weight newborn, less than 500 grams	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
P0702	Extremely low birth weight newborn, 500-749 grams	Diagnosis	ICD-10-CM
P0703	Extremely low birth weight newborn, 750-999 grams	Diagnosis	ICD-10-CM
P0710	Other low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0714	Other low birth weight newborn, 1000-1249 grams	Diagnosis	ICD-10-CM
P0715	Other low birth weight newborn, 1250-1499 grams	Diagnosis	ICD-10-CM
P0716	Other low birth weight newborn, 1500-1749 grams	Diagnosis	ICD-10-CM
P0717	Other low birth weight newborn, 1750-1999 grams	Diagnosis	ICD-10-CM
P0718	Other low birth weight newborn, 2000-2499 grams	Diagnosis	ICD-10-CM
P0720	Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0721	Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM
P0722	Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM
P0723	Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM
P0724	Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM
P0725	Extreme immaturity of newborn, gestational age 26 completed weeks	Diagnosis	ICD-10-CM
P0726	Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM
P0730	Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0731	Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM
P0732	Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM
P0733	Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM
P0734	Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM
P0735	Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM
P0736	Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM
P0737	Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM
P0738	Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM
P0739	Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM
P0821	Post-term newborn	Diagnosis	ICD-10-CM
P0822	Prolonged gestation of newborn	Diagnosis	ICD-10-CM
V27	Outcome of delivery	Diagnosis	ICD-9-CM
V270	Outcome of delivery, single liveborn	Diagnosis	ICD-9-CM
V271	Outcome of delivery, single stillborn	Diagnosis	ICD-9-CM
V272	Outcome of delivery, twins, both liveborn	Diagnosis	ICD-9-CM
V273	Outcome of delivery, twins, one liveborn and one stillborn	Diagnosis	ICD-9-CM
V274	Outcome of delivery, twins, both stillborn	Diagnosis	ICD-9-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
V275	Outcome of delivery, other multiple birth, all liveborn	Diagnosis	ICD-9-CM
V276	Outcome of delivery, other multiple birth, some liveborn	Diagnosis	ICD-9-CM
V277	Outcome of delivery, other multiple birth, all stillborn	Diagnosis	ICD-9-CM
V279	Outcome of delivery, unspecified	Diagnosis	ICD-9-CM
V30	Single liveborn	Diagnosis	ICD-9-CM
V300	Single liveborn, born in hospital	Diagnosis	ICD-9-CM
V3000	Single liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3001	Single liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V301	Single liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V302	Single liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V31	Twin birth, mate liveborn	Diagnosis	ICD-9-CM
V310	Twin, mate liveborn, born in hospital	Diagnosis	ICD-9-CM
V3100	Twin, mate liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3101	Twin, mate liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V311	Twin birth, mate liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V312	Twin birth, mate liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V32	Twin birth, mate stillborn	Diagnosis	ICD-9-CM
V320	Twin, mate stillborn, born in hospital	Diagnosis	ICD-9-CM
V3200	Twin, mate stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3201	Twin, mate stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V321	Twin birth, mate stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V322	Twin birth, mate stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V33	Twin birth, unspecified whether mate liveborn or stillborn	Diagnosis	ICD-9-CM
V330	Twin, unspecified, born in hospital	Diagnosis	ICD-9-CM
V3300	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3301	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V331	Twin birth, unspecified whether mate liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V332	Twin birth, unspecified whether mate liveborn or stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
V34	Other multiple birth (three or more), mates all liveborn	Diagnosis	ICD-9-CM
V340	Other multiple, mates all liveborn, born in hospital	Diagnosis	ICD-9-CM
V3400	Other multiple, mates all liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3401	Other multiple, mates all liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V341	Other multiple birth (three or more), mates all liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V342	Other multiple birth (three or more), mates all liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V35	Other multiple birth (three or more), mates all stillborn	Diagnosis	ICD-9-CM
V350	Other multiple, mates all stillborn, born in hospital	Diagnosis	ICD-9-CM
V3500	Other multiple, mates all stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3501	Other multiple, mates all stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V351	Other multiple birth (three or more), mates all stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V352	Other multiple birth (three or more), mates all stillborn, born outside of hospital and not hospitalized	Diagnosis	ICD-9-CM
V36	Other multiple birth (three or more), mates liveborn and stillborn	Diagnosis	ICD-9-CM
V360	Other multiple, mates liveborn and stillborn, born in hospital	Diagnosis	ICD-9-CM
V3600	Other multiple, mates liveborn and stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3601	Other multiple, mates liveborn and stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V361	Other multiple birth (three or more), mates liveborn and stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V362	Other multiple birth (three or more), mates liveborn and stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V37	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn	Diagnosis	ICD-9-CM
V370	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital	Diagnosis	ICD-9-CM
V3700	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3701	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
V371	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V372	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born outside of hospital	Diagnosis	ICD-9-CM
V39	Liveborn, unspecified whether single, twin, or multiple	Diagnosis	ICD-9-CM
V390	Other liveborn, unspecified whether single, twin, or multiple, born in hospital	Diagnosis	ICD-9-CM
V3900	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3901	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered by cesarean	Diagnosis	ICD-9-CM
V391	Liveborn, unspecified whether single, twin or multiple, born before admission to hospital	Diagnosis	ICD-9-CM
V392	Liveborn, unspecified whether single, twin or multiple, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
Z370	Single live birth	Diagnosis	ICD-10-CM
Z372	Twins, both liveborn	Diagnosis	ICD-10-CM
Z373	Twins, one liveborn and one stillborn	Diagnosis	ICD-10-CM
Z3750	Multiple births, unspecified, all liveborn	Diagnosis	ICD-10-CM
Z3751	Triplets, all liveborn	Diagnosis	ICD-10-CM
Z3752	Quadruplets, all liveborn	Diagnosis	ICD-10-CM
Z3753	Quintuplets, all liveborn	Diagnosis	ICD-10-CM
Z3754	Sextuplets, all liveborn	Diagnosis	ICD-10-CM
Z3759	Other multiple births, all liveborn	Diagnosis	ICD-10-CM
Z3760	Multiple births, unspecified, some liveborn	Diagnosis	ICD-10-CM
Z3761	Triplets, some liveborn	Diagnosis	ICD-10-CM
Z3762	Quadruplets, some liveborn	Diagnosis	ICD-10-CM
Z3763	Quintuplets, some liveborn	Diagnosis	ICD-10-CM
Z3764	Sextuplets, some liveborn	Diagnosis	ICD-10-CM
Z3769	Other multiple births, some liveborn	Diagnosis	ICD-10-CM
Z379	Outcome of delivery, unspecified	Diagnosis	ICD-10-CM
Z3800	Single liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3801	Single liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z381	Single liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z382	Single liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM
Z3830	Twin liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3831	Twin liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z384	Twin liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z385	Twin liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM

Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Live Birth Delivery in this Request

Code	Description	Code Category	Code Type
Z3861	Triplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3862	Triplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3863	Quadruplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3864	Quadruplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3865	Quintuplet liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3866	Quintuplet liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z3868	Other multiple liveborn infant, delivered vaginally	Diagnosis	ICD-10-CM
Z3869	Other multiple liveborn infant, delivered by cesarean	Diagnosis	ICD-10-CM
Z387	Other multiple liveborn infant, born outside hospital	Diagnosis	ICD-10-CM
Z388	Other multiple liveborn infant, unspecified as to place of birth	Diagnosis	ICD-10-CM

Appendix D. List of Generic and Brand Names of Medical Products Used to Define Exposures in this Request

Generic Name	Brand Name
Ixekizumab	
ixekizumab	Taltz Autoinjector
ixekizumab	Taltz Autoinjector (2 Pack)
ixekizumab	Taltz Autoinjector (3 Pack)
ixekizumab	Taltz Syringe
ixekizumab	Taltz Syringe (2 Pack)
ixekizumab	Taltz Syringe (3 Pack)
Anti-TNF-alphas	
adalimumab	Humira
adalimumab	Humira Pediatric Crohns Start
adalimumab	Humira Pen
adalimumab	Humira Pen Crohns-UC-HS Start
adalimumab	Humira Pen Psor-Uveits-Adol HS
adalimumab	Humira(CF)
adalimumab	Humira(CF) Pedi Crohns Starter
adalimumab	Humira(CF) Pen
adalimumab	Humira(CF) Pen Crohns-UC-HS
adalimumab	Humira(CF) Pen Pediatric UC
adalimumab	Humira(CF) Pen Psor-Uv-Adol HS
certolizumab pegol	Cimzia
certolizumab pegol	Cimzia Powder for Reconst
certolizumab pegol	Cimzia Starter Kit
etanercept	Enbrel
etanercept	Enbrel Mini
etanercept	Enbrel SureClick
golimumab	Simponi
golimumab	Simponi ARIA
infliximab	Infliximab
infliximab	Remicade
infliximab-abda	Renflexis
infliximab-axxq	Avsola
infliximab-dyyb	Inflectra
Adalimumab	
adalimumab	Humira
adalimumab	Humira Pediatric Crohns Start
adalimumab	Humira Pen
adalimumab	Humira Pen Crohns-UC-HS Start
adalimumab	Humira Pen Psor-Uveits-Adol HS

Appendix D. List of Generic and Brand Names of Medical Products Used to Define Exposures in this Request

Generic Name	Brand Name
adalimumab	Humira(CF)
adalimumab	Humira(CF) Pedi Crohns Starter
adalimumab	Humira(CF) Pen
adalimumab	Humira(CF) Pen Crohns-UC-HS
adalimumab	Humira(CF) Pen Pediatric UC
adalimumab	Humira(CF) Pen Psor-Uv-Adol HS
Certolizumab	
certolizumab pegol	Cimzia
certolizumab pegol	Cimzia Powder for Reconst
certolizumab pegol	Cimzia Starter Kit
Etanercept	
etanercept	Enbrel
etanercept	Enbrel Mini
etanercept	Enbrel SureClick
Infliximab	
infliximab	Infliximab
infliximab	Remicade
infliximab-abda	Renflexis
infliximab-axxq	Avsola
infliximab-dyyb	Inflectra
Golimumab	
golimumab	Simponi
golimumab	Simponi ARIA
IL-Inhibitors	
abatacept	Orencia
abatacept	Orencia ClickJect
abatacept/maltose	Orencia (with maltose)
brodalumab	Siliq
guselkumab	Tremfya
risankizumab-rzaa	Skyrizi
secukinumab	Cosentyx
secukinumab	Cosentyx (2 Syringes)
secukinumab	Cosentyx Pen
secukinumab	Cosentyx Pen (2 Pens)
ustekinumab	Stelara
Abatacept	
abatacept	Orencia
abatacept	Orencia ClickJect

Appendix D. List of Generic and Brand Names of Medical Products Used to Define Exposures in this Request

Generic Name	Brand Name
abatacept/maltose	Orencia (with maltose)
Brodalumab	
brodalumab	Siliq
Guselkumab	
guselkumab	Tremfya
Risankizumab	
risankizumab-rzaa	Skyrizi
Secukinumab	
secukinumab	Cosentyx
secukinumab	Cosentyx (2 Syringes)
secukinumab	Cosentyx Pen
secukinumab	Cosentyx Pen (2 Pens)
Ustekinumab	
ustekinumab	Stelara

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

Code	Description	Code Category	Code Type
	Any Psoriasis		
696	Psoriasis and similar disorders	Diagnosis	ICD-9-CM
696.0	Psoriatic arthropathy	Diagnosis	ICD-9-CM
696.1	Other psoriasis	Diagnosis	ICD-9-CM
696.2	Parapsoriasis	Diagnosis	ICD-9-CM
696.8	Psoriasis related disease NEC	Diagnosis	ICD-9-CM
96920	Laser treatment for inflammatory skin disease (psoriasis); total area less than 250 sq cm	Procedure	CPT-4
96921	Laser treatment for inflammatory skin disease (psoriasis); 250 sq cm to 500 sq cm	Procedure	CPT-4
96922	Laser treatment for inflammatory skin disease (psoriasis); over 500 sq cm	Procedure	CPT-4
G9649	Psoriasis assessment tool documented meeting any one of the specified benchmarks (e.g., (PGA; 5-point or 6-point scale), body surface area (BSA), psoriasis area and severity index (PASI) and/or dermatology life quality index (DLQI))	Procedure	HCPCS
G9652	Patient has been treated with a systemic or biologic medication for psoriasis for at least six months	Procedure	HCPCS
G9653	Patient has not been treated with a systemic or biologic medication for psoriasis for at least six months	Procedure	HCPCS
G9764	Patient has been treated with a systemic medication for psoriasis vulgaris	Procedure	HCPCS
L40	Psoriasis	Diagnosis	ICD-10-CM
L40.0	Psoriasis vulgaris	Diagnosis	ICD-10-CM
L40.1	Generalized pustular psoriasis	Diagnosis	ICD-10-CM
L40.4	Guttate psoriasis	Diagnosis	ICD-10-CM
L40.5	Arthropathic psoriasis	Diagnosis	ICD-10-CM
L40.50	Arthropathic psoriasis, unspecified	Diagnosis	ICD-10-CM
L40.51	Distal interphalangeal psoriatic arthropathy	Diagnosis	ICD-10-CM
L40.52	Psoriatic arthritis mutilans	Diagnosis	ICD-10-CM
L40.53	Psoriatic spondylitis	Diagnosis	ICD-10-CM
L40.54	Psoriatic juvenile arthropathy	Diagnosis	ICD-10-CM
L40.59	Other psoriatic arthropathy	Diagnosis	ICD-10-CM
L40.8	Other psoriasis	Diagnosis	ICD-10-CM
L40.9	Psoriasis, unspecified	Diagnosis	ICD-10-CM
L41	Parapsoriasis	Diagnosis	ICD-10-CM
L41.3	Small plaque parapsoriasis	Diagnosis	ICD-10-CM
L41.4	Large plaque parapsoriasis	Diagnosis	ICD-10-CM
L41.5	Retiform parapsoriasis	Diagnosis	ICD-10-CM
L41.8	Other parapsoriasis	Diagnosis	ICD-10-CM
L41.9	Parapsoriasis, unspecified	Diagnosis	ICD-10-CM

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

Code	Description	Code Category	Code Type
	Psoriatic Arthritis		
696.0	Psoriatic arthropathy	Diagnosis	ICD-9-CM
L40.51	Distal interphalangeal psoriatic arthropathy	Diagnosis	ICD-10-CM
L40.52	Psoriatic arthritis mutilans	Diagnosis	ICD-10-CM
L40.53	Psoriatic spondylitis	Diagnosis	ICD-10-CM
L40.54	Psoriatic juvenile arthropathy	Diagnosis	ICD-10-CM
L40.59	Other psoriatic arthropathy	Diagnosis	ICD-10-CM
	Active Anklosing Spondylitis		
720	Ankylosing spondylitis and other inflammatory spondylopathies	Diagnosis	ICD-9-CM
720.0	Ankylosing spondylitis	Diagnosis	ICD-9-CM
M08.1	Juvenile ankylosing spondylitis	Diagnosis	ICD-10-CM
M45	Ankylosing spondylitis	Diagnosis	ICD-10-CM
M45.0	Ankylosing spondylitis of multiple sites in spine	Diagnosis	ICD-10-CM
M45.1	Ankylosing spondylitis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M45.2	Ankylosing spondylitis of cervical region	Diagnosis	ICD-10-CM
M45.3	Ankylosing spondylitis of cervicothoracic region	Diagnosis	ICD-10-CM
M45.4	Ankylosing spondylitis of thoracic region	Diagnosis	ICD-10-CM
M45.5	Ankylosing spondylitis of thoracolumbar region	Diagnosis	ICD-10-CM
M45.6	Ankylosing spondylitis lumbar region	Diagnosis	ICD-10-CM
M45.7	Ankylosing spondylitis of lumbosacral region	Diagnosis	ICD-10-CM
M45.8	Ankylosing spondylitis sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M45.9	Ankylosing spondylitis of unspecified sites in spine	Diagnosis	ICD-10-CM
	Active Non-Radiographic Axial Spondyloarthritis		
M45.A	Non-radiographic axial spondyloarthritis	Diagnosis	ICD-10-CM
M45.A0	Non-radiographic axial spondyloarthritis of unspecified sites in spine	Diagnosis	ICD-10-CM
M45.A1	Non-radiographic axial spondyloarthritis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M45.A2	Non-radiographic axial spondyloarthritis of cervical region	Diagnosis	ICD-10-CM
M45.A3	Non-radiographic axial spondyloarthritis of cervicothoracic region	Diagnosis	ICD-10-CM
M45.A4	Non-radiographic axial spondyloarthritis of thoracic region	Diagnosis	ICD-10-CM
M45.A5	Non-radiographic axial spondyloarthritis of thoracolumbar region	Diagnosis	ICD-10-CM
M45.A6	Non-radiographic axial spondyloarthritis of lumbar region	Diagnosis	ICD-10-CM
M45.A7	Non-radiographic axial spondyloarthritis of lumbosacral region	Diagnosis	ICD-10-CM
M45.A8	Non-radiographic axial spondyloarthritis of sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M45.AB	Non-radiographic axial spondyloarthritis of multiple sites in spine	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
	Any Psoriasis		
696	Psoriasis and similar disorders	Diagnosis	ICD-9-CM
696.0	Psoriatic arthropathy	Diagnosis	ICD-9-CM
696.1	Other psoriasis	Diagnosis	ICD-9-CM
696.2	Parapsoriasis	Diagnosis	ICD-9-CM
696.8	Psoriasis related disease NEC	Diagnosis	ICD-9-CM
96920	Laser treatment for inflammatory skin disease (psoriasis); total area less than 250 sq cm	Procedure	CPT-4
96921	Laser treatment for inflammatory skin disease (psoriasis); 250 sq cm to 500 sq cm	Procedure	CPT-4
96922	Laser treatment for inflammatory skin disease (psoriasis); over 500 sq cm	Procedure	CPT-4
G9649	Psoriasis assessment tool documented meeting any one of the specified benchmarks (e.g., (PGA; 5-point or 6-point scale), body surface area (BSA), psoriasis area and severity index (PASI) and/or dermatology life quality index (DLQI))	Procedure	HCPCS
G9652	Patient has been treated with a systemic or biologic medication for psoriasis for at least six months	Procedure	HCPCS
G9653	Patient has not been treated with a systemic or biologic medication for psoriasis for at least six months	Procedure	HCPCS
G9764	Patient has been treated with a systemic medication for psoriasis vulgaris	Procedure	HCPCS
L40	Psoriasis	Diagnosis	ICD-10-CM
L40.0	Psoriasis vulgaris	Diagnosis	ICD-10-CM
L40.1	Generalized pustular psoriasis	Diagnosis	ICD-10-CM
L40.4	Guttate psoriasis	Diagnosis	ICD-10-CM
L40.5	Arthropathic psoriasis	Diagnosis	ICD-10-CM
L40.50	Arthropathic psoriasis, unspecified	Diagnosis	ICD-10-CM
L40.51	Distal interphalangeal psoriatic arthropathy	Diagnosis	ICD-10-CM
L40.52	Psoriatic arthritis mutilans	Diagnosis	ICD-10-CM
L40.53	Psoriatic spondylitis	Diagnosis	ICD-10-CM
L40.54	Psoriatic juvenile arthropathy	Diagnosis	ICD-10-CM
L40.59	Other psoriatic arthropathy	Diagnosis	ICD-10-CM
L40.8	Other psoriasis	Diagnosis	ICD-10-CM
L40.9	Psoriasis, unspecified	Diagnosis	ICD-10-CM
L41	Parapsoriasis	Diagnosis	ICD-10-CM
L41.3	Small plaque parapsoriasis	Diagnosis	ICD-10-CM
L41.4	Large plaque parapsoriasis	Diagnosis	ICD-10-CM
L41.5	Retiform parapsoriasis	Diagnosis	ICD-10-CM
L41.8	Other parapsoriasis	Diagnosis	ICD-10-CM
L41.9	Parapsoriasis, unspecified	Diagnosis	ICD-10-CM
	Psoriatic Arthritis		
696.0	Psoriatic arthropathy	Diagnosis	ICD-9-CM
L40.51	Distal interphalangeal psoriatic arthropathy	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
L40.52	Psoriatic arthritis mutilans	Diagnosis	ICD-10-CM
L40.53	Psoriatic spondylitis	Diagnosis	ICD-10-CM
L40.54	Psoriatic juvenile arthropathy	Diagnosis	ICD-10-CM
L40.59	Other psoriatic arthropathy	Diagnosis	ICD-10-CM
	Active Anklosing Spondylitis		
720	Ankylosing spondylitis and other inflammatory spondylopathies	Diagnosis	ICD-9-CM
720.0	Ankylosing spondylitis	Diagnosis	ICD-9-CM
M08.1	Juvenile ankylosing spondylitis	Diagnosis	ICD-10-CM
M45	Ankylosing spondylitis	Diagnosis	ICD-10-CM
M45.0	Ankylosing spondylitis of multiple sites in spine	Diagnosis	ICD-10-CM
M45.1	Ankylosing spondylitis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M45.2	Ankylosing spondylitis of cervical region	Diagnosis	ICD-10-CM
M45.3	Ankylosing spondylitis of cervicothoracic region	Diagnosis	ICD-10-CM
M45.4	Ankylosing spondylitis of thoracic region	Diagnosis	ICD-10-CM
M45.5	Ankylosing spondylitis of thoracolumbar region	Diagnosis	ICD-10-CM
M45.6	Ankylosing spondylitis lumbar region	Diagnosis	ICD-10-CM
M45.7	Ankylosing spondylitis of lumbosacral region	Diagnosis	ICD-10-CM
M45.8	Ankylosing spondylitis sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M45.9	Ankylosing spondylitis of unspecified sites in spine	Diagnosis	ICD-10-CM
	Active Non-Radiographic Axial Spondyloarthritis		
M45.A	Non-radiographic axial spondyloarthritis	Diagnosis	ICD-10-CM
M45.A0	Non-radiographic axial spondyloarthritis of unspecified sites in spine	Diagnosis	ICD-10-CM
M45.A1	Non-radiographic axial spondyloarthritis of occipito-atlanto-axial region	Diagnosis	ICD-10-CM
M45.A2	Non-radiographic axial spondyloarthritis of cervical region	Diagnosis	ICD-10-CM
M45.A3	Non-radiographic axial spondyloarthritis of cervicothoracic region	Diagnosis	ICD-10-CM
M45.A4	Non-radiographic axial spondyloarthritis of thoracic region	Diagnosis	ICD-10-CM
M45.A5	Non-radiographic axial spondyloarthritis of thoracolumbar region	Diagnosis	ICD-10-CM
M45.A6	Non-radiographic axial spondyloarthritis of lumbar region	Diagnosis	ICD-10-CM
M45.A7	Non-radiographic axial spondyloarthritis of lumbosacral region	Diagnosis	ICD-10-CM
M45.A8	Non-radiographic axial spondyloarthritis of sacral and sacrococcygeal region	Diagnosis	ICD-10-CM
M45.AB	Non-radiographic axial spondyloarthritis of multiple sites in spine	Diagnosis	ICD-10-CM
	Plaque Psoriasis		
G9764	Patient has been treated with a systemic medication for psoriasis vulgaris	Procedure	HCPCS
L40.0	Psoriasis vulgaris	Diagnosis	ICD-10-CM
	Ulcerative Colitis		
556	Ulcerative colitis	Diagnosis	ICD-9-CM
556.5	Left sided ulcerative (chronic) colitis	Diagnosis	ICD-9-CM
556.6	Universal ulcerative (chronic) colitis	Diagnosis	ICD-9-CM
556.8	Other ulcerative colitis	Diagnosis	ICD-9-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
556.9	Unspecified ulcerative colitis	Diagnosis	ICD-9-CM
K51	Ulcerative colitis	Diagnosis	ICD-10-CM
K51.0	Ulcerative (chronic) pancolitis	Diagnosis	ICD-10-CM
K51.00	Ulcerative (chronic) pancolitis without complications	Diagnosis	ICD-10-CM
K51.01	Ulcerative (chronic) pancolitis with complications	Diagnosis	ICD-10-CM
K51.011	Ulcerative (chronic) pancolitis with rectal bleeding	Diagnosis	ICD-10-CM
K51.012	Ulcerative (chronic) pancolitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51.013	Ulcerative (chronic) pancolitis with fistula	Diagnosis	ICD-10-CM
K51.014	Ulcerative (chronic) pancolitis with abscess	Diagnosis	ICD-10-CM
K51.018	Ulcerative (chronic) pancolitis with other complication	Diagnosis	ICD-10-CM
K51.019	Ulcerative (chronic) pancolitis with unspecified complications	Diagnosis	ICD-10-CM
K51.2	Ulcerative (chronic) proctitis	Diagnosis	ICD-10-CM
K51.20	Ulcerative (chronic) proctitis without complications	Diagnosis	ICD-10-CM
K51.21	Ulcerative (chronic) proctitis with complications	Diagnosis	ICD-10-CM
K51.211	Ulcerative (chronic) proctitis with rectal bleeding	Diagnosis	ICD-10-CM
K51.212	Ulcerative (chronic) proctitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51.213	Ulcerative (chronic) proctitis with fistula	Diagnosis	ICD-10-CM
K51.214	Ulcerative (chronic) proctitis with abscess	Diagnosis	ICD-10-CM
K51.218	Ulcerative (chronic) proctitis with other complication	Diagnosis	ICD-10-CM
K51.219	Ulcerative (chronic) proctitis with unspecified complications	Diagnosis	ICD-10-CM
K51.3	Ulcerative (chronic) rectosigmoiditis	Diagnosis	ICD-10-CM
K51.30	Ulcerative (chronic) rectosigmoiditis without complications	Diagnosis	ICD-10-CM
K51.31	Ulcerative (chronic) rectosigmoiditis with complications	Diagnosis	ICD-10-CM
K51.311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	Diagnosis	ICD-10-CM
K51.312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	Diagnosis	ICD-10-CM
K51.313	Ulcerative (chronic) rectosigmoiditis with fistula	Diagnosis	ICD-10-CM
K51.314	Ulcerative (chronic) rectosigmoiditis with abscess	Diagnosis	ICD-10-CM
K51.318	Ulcerative (chronic) rectosigmoiditis with other complication	Diagnosis	ICD-10-CM
K51.319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	Diagnosis	ICD-10-CM
K51.4	Inflammatory polyps of colon	Diagnosis	ICD-10-CM
K51.40	Inflammatory polyps of colon without complications	Diagnosis	ICD-10-CM
K51.41	Inflammatory polyps of colon with complications	Diagnosis	ICD-10-CM
K51.411	Inflammatory polyps of colon with rectal bleeding	Diagnosis	ICD-10-CM
K51.412	Inflammatory polyps of colon with intestinal obstruction	Diagnosis	ICD-10-CM
K51.413	Inflammatory polyps of colon with fistula	Diagnosis	ICD-10-CM
K51.414	Inflammatory polyps of colon with abscess	Diagnosis	ICD-10-CM
K51.418	Inflammatory polyps of colon with other complication	Diagnosis	ICD-10-CM
K51.419	Inflammatory polyps of colon with unspecified complications	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
K51.5	Left sided colitis	Diagnosis	ICD-10-CM
K51.50	Left sided colitis without complications	Diagnosis	ICD-10-CM
K51.51	Left sided colitis with complications	Diagnosis	ICD-10-CM
K51.511	Left sided colitis with rectal bleeding	Diagnosis	ICD-10-CM
K51.512	Left sided colitis with intestinal obstruction	Diagnosis	ICD-10-CM
K51.513	Left sided colitis with fistula	Diagnosis	ICD-10-CM
K51.514	Left sided colitis with abscess	Diagnosis	ICD-10-CM
K51.518	Left sided colitis with other complication	Diagnosis	ICD-10-CM
K51.519	Left sided colitis with unspecified complications	Diagnosis	ICD-10-CM
K51.8	Other ulcerative colitis	Diagnosis	ICD-10-CM
K51.80	Other ulcerative colitis without complications	Diagnosis	ICD-10-CM
K51.81	Other ulcerative colitis with complications	Diagnosis	ICD-10-CM
K51.811	Other ulcerative colitis with rectal bleeding	Diagnosis	ICD-10-CM
K51.813	Other ulcerative colitis with fistula	Diagnosis	ICD-10-CM
K51.814	Other ulcerative colitis with abscess	Diagnosis	ICD-10-CM
K51.818	Other ulcerative colitis with other complication	Diagnosis	ICD-10-CM
K51.819	Other ulcerative colitis with unspecified complications	Diagnosis	ICD-10-CM
K51.9	Ulcerative colitis, unspecified	Diagnosis	ICD-10-CM
K51.90	Ulcerative colitis, unspecified, without complications	Diagnosis	ICD-10-CM
K51.91	Ulcerative colitis, unspecified, with complications	Diagnosis	ICD-10-CM
K51.911	Ulcerative colitis, unspecified with rectal bleeding	Diagnosis	ICD-10-CM
K51.912	Ulcerative colitis, unspecified with intestinal obstruction	Diagnosis	ICD-10-CM
K51.913	Ulcerative colitis, unspecified with fistula	Diagnosis	ICD-10-CM
K51.914	Ulcerative colitis, unspecified with abscess	Diagnosis	ICD-10-CM
K51.918	Ulcerative colitis, unspecified with other complication	Diagnosis	ICD-10-CM
K51.919	Ulcerative colitis, unspecified with unspecified complications	Diagnosis	ICD-10-CM
K52.3	Indeterminate colitis	Diagnosis	ICD-10-CM
	Crohns Disease		
555	Regional enteritis	Diagnosis	ICD-9-CM
555.0	Regional enteritis of small intestine	Diagnosis	ICD-9-CM
555.1	Regional enteritis of large intestine	Diagnosis	ICD-9-CM
555.2	Regional enteritis of small intestine with large intestine	Diagnosis	ICD-9-CM
555.9	Regional enteritis of unspecified site	Diagnosis	ICD-9-CM
K50	Crohn's disease [regional enteritis]	Diagnosis	ICD-10-CM
K50.0	Crohn's disease of small intestine	Diagnosis	ICD-10-CM
K50.00	Crohn's disease of small intestine without complications	Diagnosis	ICD-10-CM
K50.01	Crohn's disease of small intestine with complications	Diagnosis	ICD-10-CM
K50.011	Crohn's disease of small intestine with rectal bleeding	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
K50.012	Crohn's disease of small intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50.013	Crohn's disease of small intestine with fistula	Diagnosis	ICD-10-CM
K50.014	Crohn's disease of small intestine with abscess	Diagnosis	ICD-10-CM
K50.018	Crohn's disease of small intestine with other complication	Diagnosis	ICD-10-CM
K50.019	Crohn's disease of small intestine with unspecified complications	Diagnosis	ICD-10-CM
K50.1	Crohn's disease of large intestine	Diagnosis	ICD-10-CM
K50.10	Crohn's disease of large intestine without complications	Diagnosis	ICD-10-CM
K50.11	Crohn's disease of large intestine with complications	Diagnosis	ICD-10-CM
K50.111	Crohn's disease of large intestine with rectal bleeding	Diagnosis	ICD-10-CM
K50.112	Crohn's disease of large intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50.113	Crohn's disease of large intestine with fistula	Diagnosis	ICD-10-CM
K50.114	Crohn's disease of large intestine with abscess	Diagnosis	ICD-10-CM
K50.118	Crohn's disease of large intestine with other complication	Diagnosis	ICD-10-CM
K50.119	Crohn's disease of large intestine with unspecified complications	Diagnosis	ICD-10-CM
K50.8	Crohn's disease of both small and large intestine	Diagnosis	ICD-10-CM
K50.80	Crohn's disease of both small and large intestine without complications	Diagnosis	ICD-10-CM
K50.81	Crohn's disease of both small and large intestine with complications	Diagnosis	ICD-10-CM
K50.811	Crohn's disease of both small and large intestine with rectal bleeding	Diagnosis	ICD-10-CM
K50.812	Crohn's disease of both small and large intestine with intestinal obstruction	Diagnosis	ICD-10-CM
K50.813	Crohn's disease of both small and large intestine with fistula	Diagnosis	ICD-10-CM
K50.814	Crohn's disease of both small and large intestine with abscess	Diagnosis	ICD-10-CM
K50.818	Crohn's disease of both small and large intestine with other complication	Diagnosis	ICD-10-CM
K50.819	Crohn's disease of both small and large intestine with unspecified complications	Diagnosis	ICD-10-CM
K50.9	Crohn's disease, unspecified	Diagnosis	ICD-10-CM
K50.90	Crohn's disease, unspecified, without complications	Diagnosis	ICD-10-CM
K50.91	Crohn's disease, unspecified, with complications	Diagnosis	ICD-10-CM
K50.911	Crohn's disease, unspecified, with rectal bleeding	Diagnosis	ICD-10-CM
K50.912	Crohn's disease, unspecified, with intestinal obstruction	Diagnosis	ICD-10-CM
K50.913	Crohn's disease, unspecified, with fistula	Diagnosis	ICD-10-CM
K50.914	Crohn's disease, unspecified, with abscess	Diagnosis	ICD-10-CM
K50.918	Crohn's disease, unspecified, with other complication	Diagnosis	ICD-10-CM
K50.919	Crohn's disease, unspecified, with unspecified complications	Diagnosis	ICD-10-CM
	Rheumatoid Arthritis		
3470F	Rheumatoid arthritis (RA) disease activity, low (RA)	Procedure	CPT-2
3471F	Rheumatoid arthritis (RA) disease activity, moderate (RA)	Procedure	CPT-2
3472F	Rheumatoid arthritis (RA) disease activity, high (RA)	Procedure	CPT-2
3475F	Disease prognosis for rheumatoid arthritis assessed, poor prognosis documented (RA)	Procedure	CPT-2

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
3476F	Disease prognosis for rheumatoid arthritis assessed, good prognosis documented (RA)	Procedure	CPT-2
4195F	Patient receiving first-time biologic disease modifying anti-rheumatic drug therapy for rheumatoid arthritis (RA)	Procedure	CPT-2
4196F	Patient not receiving first-time biologic disease modifying anti-rheumatic drug therapy for rheumatoid arthritis (RA)	Procedure	CPT-2
714	Rheumatoid arthritis and other inflammatory polyarthropathies	Diagnosis	ICD-9-CM
714.0	Rheumatoid arthritis	Diagnosis	ICD-9-CM
714.1	Felty's syndrome	Diagnosis	ICD-9-CM
714.2	Other rheumatoid arthritis with visceral or systemic involvement	Diagnosis	ICD-9-CM
714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	Diagnosis	ICD-9-CM
714.31	Polyarticular juvenile rheumatoid arthritis, acute	Diagnosis	ICD-9-CM
714.32	Pauciarticular juvenile rheumatoid arthritis	Diagnosis	ICD-9-CM
714.33	Monoarticular juvenile rheumatoid arthritis	Diagnosis	ICD-9-CM
720	Ankylosing spondylitis and other inflammatory spondylopathies	Diagnosis	ICD-9-CM
720.0	Ankylosing spondylitis	Diagnosis	ICD-9-CM
G8499	All quality actions for the applicable measures in the rheumatoid arthritis (RA) measures group have been performed for this patient	Procedure	HCPCS
M05	Rheumatoid arthritis with rheumatoid factor	Diagnosis	ICD-10-CM
M05.0	Felty's syndrome	Diagnosis	ICD-10-CM
M05.00	Felty's syndrome, unspecified site	Diagnosis	ICD-10-CM
M05.01	Felty's syndrome, shoulder	Diagnosis	ICD-10-CM
M05.011	Felty's syndrome, right shoulder	Diagnosis	ICD-10-CM
M05.012	Felty's syndrome, left shoulder	Diagnosis	ICD-10-CM
M05.019	Felty's syndrome, unspecified shoulder	Diagnosis	ICD-10-CM
M05.02	Felty's syndrome, elbow	Diagnosis	ICD-10-CM
M05.021	Felty's syndrome, right elbow	Diagnosis	ICD-10-CM
M05.022	Felty's syndrome, left elbow	Diagnosis	ICD-10-CM
M05.029	Felty's syndrome, unspecified elbow	Diagnosis	ICD-10-CM
M05.03	Felty's syndrome, wrist	Diagnosis	ICD-10-CM
M05.031	Felty's syndrome, right wrist	Diagnosis	ICD-10-CM
M05.032	Felty's syndrome, left wrist	Diagnosis	ICD-10-CM
M05.039	Felty's syndrome, unspecified wrist	Diagnosis	ICD-10-CM
M05.04	Felty's syndrome, hand	Diagnosis	ICD-10-CM
M05.041	Felty's syndrome, right hand	Diagnosis	ICD-10-CM
M05.042	Felty's syndrome, left hand	Diagnosis	ICD-10-CM
M05.049	Felty's syndrome, unspecified hand	Diagnosis	ICD-10-CM
M05.05	Felty's syndrome, hip	Diagnosis	ICD-10-CM
M05.051	Felty's syndrome, right hip	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.052	Felty's syndrome, left hip	Diagnosis	ICD-10-CM
M05.059	Felty's syndrome, unspecified hip	Diagnosis	ICD-10-CM
M05.06	Felty's syndrome, knee	Diagnosis	ICD-10-CM
M05.061	Felty's syndrome, right knee	Diagnosis	ICD-10-CM
M05.062	Felty's syndrome, left knee	Diagnosis	ICD-10-CM
M05.069	Felty's syndrome, unspecified knee	Diagnosis	ICD-10-CM
M05.07	Felty's syndrome, ankle and foot	Diagnosis	ICD-10-CM
M05.071	Felty's syndrome, right ankle and foot	Diagnosis	ICD-10-CM
M05.072	Felty's syndrome, left ankle and foot	Diagnosis	ICD-10-CM
M05.079	Felty's syndrome, unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.09	Felty's syndrome, multiple sites	Diagnosis	ICD-10-CM
M05.1	Rheumatoid lung disease with rheumatoid arthritis	Diagnosis	ICD-10-CM
M05.10	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.11	Rheumatoid lung disease with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05.111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.12	Rheumatoid lung disease with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05.121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.13	Rheumatoid lung disease with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05.131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.14	Rheumatoid lung disease with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05.141	Rheumatoid lung disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.142	Rheumatoid lung disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.15	Rheumatoid lung disease with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05.151	Rheumatoid lung disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.152	Rheumatoid lung disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.16	Rheumatoid lung disease with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05.161	Rheumatoid lung disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.162	Rheumatoid lung disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.17	Rheumatoid lung disease with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.19	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.2	Rheumatoid vasculitis with rheumatoid arthritis	Diagnosis	ICD-10-CM
M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.21	Rheumatoid vasculitis with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.22	Rheumatoid vasculitis with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.23	Rheumatoid vasculitis with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.24	Rheumatoid vasculitis with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.25	Rheumatoid vasculitis with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.26	Rheumatoid vasculitis with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.27	Rheumatoid vasculitis with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.3	Rheumatoid heart disease with rheumatoid arthritis	Diagnosis	ICD-10-CM
M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.31	Rheumatoid heart disease with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.32	Rheumatoid heart disease with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.33	Rheumatoid heart disease with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.34	Rheumatoid heart disease with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.35	Rheumatoid heart disease with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.36	Rheumatoid heart disease with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.37	Rheumatoid heart disease with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.4	Rheumatoid myopathy with rheumatoid arthritis	Diagnosis	ICD-10-CM
M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.41	Rheumatoid myopathy with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.42	Rheumatoid myopathy with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.43	Rheumatoid myopathy with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.44	Rheumatoid myopathy with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM
M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.45	Rheumatoid myopathy with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.46	Rheumatoid myopathy with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.47	Rheumatoid myopathy with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.5	Rheumatoid polyneuropathy with rheumatoid arthritis	Diagnosis	ICD-10-CM
M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M05.51	Rheumatoid polyneuropathy with rheumatoid arthritis of shoulder	Diagnosis	ICD-10-CM
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	Diagnosis	ICD-10-CM
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	Diagnosis	ICD-10-CM
M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	Diagnosis	ICD-10-CM
M05.52	Rheumatoid polyneuropathy with rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	Diagnosis	ICD-10-CM
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	Diagnosis	ICD-10-CM
M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	Diagnosis	ICD-10-CM
M05.53	Rheumatoid polyneuropathy with rheumatoid arthritis of wrist	Diagnosis	ICD-10-CM
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	Diagnosis	ICD-10-CM
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	Diagnosis	ICD-10-CM
M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	Diagnosis	ICD-10-CM
M05.54	Rheumatoid polyneuropathy with rheumatoid arthritis of hand	Diagnosis	ICD-10-CM
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	Diagnosis	ICD-10-CM
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	Diagnosis	ICD-10-CM
M05.55	Rheumatoid polyneuropathy with rheumatoid arthritis of hip	Diagnosis	ICD-10-CM
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	Diagnosis	ICD-10-CM
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	Diagnosis	ICD-10-CM
M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	Diagnosis	ICD-10-CM
M05.56	Rheumatoid polyneuropathy with rheumatoid arthritis of knee	Diagnosis	ICD-10-CM
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	Diagnosis	ICD-10-CM
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	Diagnosis	ICD-10-CM
M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	Diagnosis	ICD-10-CM
M05.57	Rheumatoid polyneuropathy with rheumatoid arthritis of ankle and foot	Diagnosis	ICD-10-CM
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	Diagnosis	ICD-10-CM
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	Diagnosis	ICD-10-CM
M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	Diagnosis	ICD-10-CM
M05.6	Rheumatoid arthritis with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.61	Rheumatoid arthritis of shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.62	Rheumatoid arthritis of elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.63	Rheumatoid arthritis of wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.64	Rheumatoid arthritis of hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.65	Rheumatoid arthritis of hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.66	Rheumatoid arthritis of knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.67	Rheumatoid arthritis of ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	Diagnosis	ICD-10-CM
M05.7	Rheumatoid arthritis with rheumatoid factor without organ or systems involvement	Diagnosis	ICD-10-CM
M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	Diagnosis	ICD-10-CM
M05.71	Rheumatoid arthritis with rheumatoid factor of shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	Diagnosis	ICD-10-CM
M05.72	Rheumatoid arthritis with rheumatoid factor of elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	Diagnosis	ICD-10-CM
M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.73	Rheumatoid arthritis with rheumatoid factor of wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	Diagnosis	ICD-10-CM
M05.74	Rheumatoid arthritis with rheumatoid factor of hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	Diagnosis	ICD-10-CM
M05.75	Rheumatoid arthritis with rheumatoid factor of hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	Diagnosis	ICD-10-CM
M05.76	Rheumatoid arthritis with rheumatoid factor of knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	Diagnosis	ICD-10-CM
M05.77	Rheumatoid arthritis with rheumatoid factor of ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	Diagnosis	ICD-10-CM
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M05.7A	Rheumatoid arthritis with rheumatoid factor of other specified site without organ or systems involvement	Diagnosis	ICD-10-CM
M05.8	Other rheumatoid arthritis with rheumatoid factor	Diagnosis	ICD-10-CM
M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	Diagnosis	ICD-10-CM
M05.81	Other rheumatoid arthritis with rheumatoid factor of shoulder	Diagnosis	ICD-10-CM
M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	Diagnosis	ICD-10-CM
M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	Diagnosis	ICD-10-CM
M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	Diagnosis	ICD-10-CM
M05.82	Other rheumatoid arthritis with rheumatoid factor of elbow	Diagnosis	ICD-10-CM
M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	Diagnosis	ICD-10-CM
M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	Diagnosis	ICD-10-CM
M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	Diagnosis	ICD-10-CM
M05.83	Other rheumatoid arthritis with rheumatoid factor of wrist	Diagnosis	ICD-10-CM
M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	Diagnosis	ICD-10-CM
M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	Diagnosis	ICD-10-CM
M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	Diagnosis	ICD-10-CM
M05.84	Other rheumatoid arthritis with rheumatoid factor of hand	Diagnosis	ICD-10-CM
M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	Diagnosis	ICD-10-CM
M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	Diagnosis	ICD-10-CM
M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	Diagnosis	ICD-10-CM
M05.85	Other rheumatoid arthritis with rheumatoid factor of hip	Diagnosis	ICD-10-CM
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	Diagnosis	ICD-10-CM
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	Diagnosis	ICD-10-CM
M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	Diagnosis	ICD-10-CM
M05.86	Other rheumatoid arthritis with rheumatoid factor of knee	Diagnosis	ICD-10-CM
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	Diagnosis	ICD-10-CM
M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	Diagnosis	ICD-10-CM
M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	Diagnosis	ICD-10-CM
M05.87	Other rheumatoid arthritis with rheumatoid factor of ankle and foot	Diagnosis	ICD-10-CM
M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	Diagnosis	ICD-10-CM
M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	Diagnosis	ICD-10-CM
M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	Diagnosis	ICD-10-CM
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	Diagnosis	ICD-10-CM
M05.8A	Other rheumatoid arthritis with rheumatoid factor of other specified site	Diagnosis	ICD-10-CM
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	Diagnosis	ICD-10-CM
M06	Other rheumatoid arthritis	Diagnosis	ICD-10-CM
M06.0	Rheumatoid arthritis without rheumatoid factor	Diagnosis	ICD-10-CM
M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M06.01	Rheumatoid arthritis without rheumatoid factor, shoulder	Diagnosis	ICD-10-CM
M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	Diagnosis	ICD-10-CM
M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	Diagnosis	ICD-10-CM
M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	Diagnosis	ICD-10-CM
M06.02	Rheumatoid arthritis without rheumatoid factor, elbow	Diagnosis	ICD-10-CM
M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	Diagnosis	ICD-10-CM
M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	Diagnosis	ICD-10-CM
M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	Diagnosis	ICD-10-CM
M06.03	Rheumatoid arthritis without rheumatoid factor, wrist	Diagnosis	ICD-10-CM
M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	Diagnosis	ICD-10-CM
M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	Diagnosis	ICD-10-CM
M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	Diagnosis	ICD-10-CM
M06.04	Rheumatoid arthritis without rheumatoid factor, hand	Diagnosis	ICD-10-CM
M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	Diagnosis	ICD-10-CM
M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	Diagnosis	ICD-10-CM
M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	Diagnosis	ICD-10-CM
M06.05	Rheumatoid arthritis without rheumatoid factor, hip	Diagnosis	ICD-10-CM
M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	Diagnosis	ICD-10-CM
M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	Diagnosis	ICD-10-CM
M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	Diagnosis	ICD-10-CM
M06.06	Rheumatoid arthritis without rheumatoid factor, knee	Diagnosis	ICD-10-CM
M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	Diagnosis	ICD-10-CM
M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	Diagnosis	ICD-10-CM
M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	Diagnosis	ICD-10-CM
M06.07	Rheumatoid arthritis without rheumatoid factor, ankle and foot	Diagnosis	ICD-10-CM
M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	Diagnosis	ICD-10-CM
M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	Diagnosis	ICD-10-CM
M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	Diagnosis	ICD-10-CM
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	Diagnosis	ICD-10-CM
M06.0A	Rheumatoid arthritis without rheumatoid factor, other specified site	Diagnosis	ICD-10-CM
M06.1	Adult-onset Still's disease	Diagnosis	ICD-10-CM
M06.2	Rheumatoid bursitis	Diagnosis	ICD-10-CM
M06.20	Rheumatoid bursitis, unspecified site	Diagnosis	ICD-10-CM
M06.21	Rheumatoid bursitis, shoulder	Diagnosis	ICD-10-CM
M06.211	Rheumatoid bursitis, right shoulder	Diagnosis	ICD-10-CM
M06.212	Rheumatoid bursitis, left shoulder	Diagnosis	ICD-10-CM
M06.219	Rheumatoid bursitis, unspecified shoulder	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M06.22	Rheumatoid bursitis, elbow	Diagnosis	ICD-10-CM
M06.221	Rheumatoid bursitis, right elbow	Diagnosis	ICD-10-CM
M06.222	Rheumatoid bursitis, left elbow	Diagnosis	ICD-10-CM
M06.229	Rheumatoid bursitis, unspecified elbow	Diagnosis	ICD-10-CM
M06.23	Rheumatoid bursitis, wrist	Diagnosis	ICD-10-CM
M06.231	Rheumatoid bursitis, right wrist	Diagnosis	ICD-10-CM
M06.232	Rheumatoid bursitis, left wrist	Diagnosis	ICD-10-CM
M06.239	Rheumatoid bursitis, unspecified wrist	Diagnosis	ICD-10-CM
M06.24	Rheumatoid bursitis, hand	Diagnosis	ICD-10-CM
M06.241	Rheumatoid bursitis, right hand	Diagnosis	ICD-10-CM
M06.242	Rheumatoid bursitis, left hand	Diagnosis	ICD-10-CM
M06.249	Rheumatoid bursitis, unspecified hand	Diagnosis	ICD-10-CM
M06.25	Rheumatoid bursitis, hip	Diagnosis	ICD-10-CM
M06.251	Rheumatoid bursitis, right hip	Diagnosis	ICD-10-CM
M06.252	Rheumatoid bursitis, left hip	Diagnosis	ICD-10-CM
M06.259	Rheumatoid bursitis, unspecified hip	Diagnosis	ICD-10-CM
M06.26	Rheumatoid bursitis, knee	Diagnosis	ICD-10-CM
M06.261	Rheumatoid bursitis, right knee	Diagnosis	ICD-10-CM
M06.262	Rheumatoid bursitis, left knee	Diagnosis	ICD-10-CM
M06.269	Rheumatoid bursitis, unspecified knee	Diagnosis	ICD-10-CM
M06.27	Rheumatoid bursitis, ankle and foot	Diagnosis	ICD-10-CM
M06.271	Rheumatoid bursitis, right ankle and foot	Diagnosis	ICD-10-CM
M06.272	Rheumatoid bursitis, left ankle and foot	Diagnosis	ICD-10-CM
M06.279	Rheumatoid bursitis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.28	Rheumatoid bursitis, vertebrae	Diagnosis	ICD-10-CM
M06.29	Rheumatoid bursitis, multiple sites	Diagnosis	ICD-10-CM
M06.3	Rheumatoid nodule	Diagnosis	ICD-10-CM
M06.30	Rheumatoid nodule, unspecified site	Diagnosis	ICD-10-CM
M06.31	Rheumatoid nodule, shoulder	Diagnosis	ICD-10-CM
M06.311	Rheumatoid nodule, right shoulder	Diagnosis	ICD-10-CM
M06.312	Rheumatoid nodule, left shoulder	Diagnosis	ICD-10-CM
M06.319	Rheumatoid nodule, unspecified shoulder	Diagnosis	ICD-10-CM
M06.32	Rheumatoid nodule, elbow	Diagnosis	ICD-10-CM
M06.321	Rheumatoid nodule, right elbow	Diagnosis	ICD-10-CM
M06.322	Rheumatoid nodule, left elbow	Diagnosis	ICD-10-CM
M06.329	Rheumatoid nodule, unspecified elbow	Diagnosis	ICD-10-CM
M06.33	Rheumatoid nodule, wrist	Diagnosis	ICD-10-CM
M06.331	Rheumatoid nodule, right wrist	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M06.332	Rheumatoid nodule, left wrist	Diagnosis	ICD-10-CM
M06.339	Rheumatoid nodule, unspecified wrist	Diagnosis	ICD-10-CM
M06.34	Rheumatoid nodule, hand	Diagnosis	ICD-10-CM
M06.341	Rheumatoid nodule, right hand	Diagnosis	ICD-10-CM
M06.342	Rheumatoid nodule, left hand	Diagnosis	ICD-10-CM
M06.349	Rheumatoid nodule, unspecified hand	Diagnosis	ICD-10-CM
M06.35	Rheumatoid nodule, hip	Diagnosis	ICD-10-CM
M06.351	Rheumatoid nodule, right hip	Diagnosis	ICD-10-CM
M06.352	Rheumatoid nodule, left hip	Diagnosis	ICD-10-CM
M06.359	Rheumatoid nodule, unspecified hip	Diagnosis	ICD-10-CM
M06.36	Rheumatoid nodule, knee	Diagnosis	ICD-10-CM
M06.361	Rheumatoid nodule, right knee	Diagnosis	ICD-10-CM
M06.362	Rheumatoid nodule, left knee	Diagnosis	ICD-10-CM
M06.369	Rheumatoid nodule, unspecified knee	Diagnosis	ICD-10-CM
M06.37	Rheumatoid nodule, ankle and foot	Diagnosis	ICD-10-CM
M06.371	Rheumatoid nodule, right ankle and foot	Diagnosis	ICD-10-CM
M06.372	Rheumatoid nodule, left ankle and foot	Diagnosis	ICD-10-CM
M06.379	Rheumatoid nodule, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.38	Rheumatoid nodule, vertebrae	Diagnosis	ICD-10-CM
M06.39	Rheumatoid nodule, multiple sites	Diagnosis	ICD-10-CM
M06.4	Inflammatory polyarthropathy	Diagnosis	ICD-10-CM
M06.8	Other specified rheumatoid arthritis	Diagnosis	ICD-10-CM
M06.80	Other specified rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M06.81	Other specified rheumatoid arthritis, shoulder	Diagnosis	ICD-10-CM
M06.811	Other specified rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M06.812	Other specified rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M06.819	Other specified rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M06.82	Other specified rheumatoid arthritis, elbow	Diagnosis	ICD-10-CM
M06.821	Other specified rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M06.822	Other specified rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M06.829	Other specified rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M06.83	Other specified rheumatoid arthritis, wrist	Diagnosis	ICD-10-CM
M06.831	Other specified rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M06.832	Other specified rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M06.839	Other specified rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M06.84	Other specified rheumatoid arthritis, hand	Diagnosis	ICD-10-CM
M06.841	Other specified rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M06.842	Other specified rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M06.849	Other specified rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M06.85	Other specified rheumatoid arthritis, hip	Diagnosis	ICD-10-CM
M06.851	Other specified rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M06.852	Other specified rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M06.859	Other specified rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M06.86	Other specified rheumatoid arthritis, knee	Diagnosis	ICD-10-CM
M06.861	Other specified rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M06.862	Other specified rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M06.869	Other specified rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M06.87	Other specified rheumatoid arthritis, ankle and foot	Diagnosis	ICD-10-CM
M06.871	Other specified rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M06.872	Other specified rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M06.88	Other specified rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M06.89	Other specified rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M06.8A	Other specified rheumatoid arthritis, other specified site	Diagnosis	ICD-10-CM
M06.9	Rheumatoid arthritis, unspecified	Diagnosis	ICD-10-CM
M08.0	Unspecified juvenile rheumatoid arthritis	Diagnosis	ICD-10-CM
M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	Diagnosis	ICD-10-CM
M08.01	Unspecified juvenile rheumatoid arthritis, shoulder	Diagnosis	ICD-10-CM
M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08.02	Unspecified juvenile rheumatoid arthritis of elbow	Diagnosis	ICD-10-CM
M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08.03	Unspecified juvenile rheumatoid arthritis, wrist	Diagnosis	ICD-10-CM
M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08.04	Unspecified juvenile rheumatoid arthritis, hand	Diagnosis	ICD-10-CM
M08.041	Unspecified juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08.042	Unspecified juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08.05	Unspecified juvenile rheumatoid arthritis, hip	Diagnosis	ICD-10-CM
M08.051	Unspecified juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08.052	Unspecified juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08.06	Unspecified juvenile rheumatoid arthritis, knee	Diagnosis	ICD-10-CM
M08.061	Unspecified juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08.062	Unspecified juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08.07	Unspecified juvenile rheumatoid arthritis, ankle and foot	Diagnosis	ICD-10-CM
M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM
M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	Diagnosis	ICD-10-CM
M08.0A	Unspecified juvenile rheumatoid arthritis, other specified site	Diagnosis	ICD-10-CM
M08.1	Juvenile ankylosing spondylitis	Diagnosis	ICD-10-CM
M08.2	Juvenile rheumatoid arthritis with systemic onset	Diagnosis	ICD-10-CM
M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	Diagnosis	ICD-10-CM
M08.21	Juvenile rheumatoid arthritis with systemic onset, shoulder	Diagnosis	ICD-10-CM
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	Diagnosis	ICD-10-CM
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	Diagnosis	ICD-10-CM
M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	Diagnosis	ICD-10-CM
M08.22	Juvenile rheumatoid arthritis with systemic onset, elbow	Diagnosis	ICD-10-CM
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	Diagnosis	ICD-10-CM
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	Diagnosis	ICD-10-CM
M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	Diagnosis	ICD-10-CM
M08.23	Juvenile rheumatoid arthritis with systemic onset, wrist	Diagnosis	ICD-10-CM
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	Diagnosis	ICD-10-CM
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	Diagnosis	ICD-10-CM
M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	Diagnosis	ICD-10-CM
M08.24	Juvenile rheumatoid arthritis with systemic onset, hand	Diagnosis	ICD-10-CM
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	Diagnosis	ICD-10-CM
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	Diagnosis	ICD-10-CM
M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	Diagnosis	ICD-10-CM
M08.25	Juvenile rheumatoid arthritis with systemic onset, hip	Diagnosis	ICD-10-CM
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	Diagnosis	ICD-10-CM
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	Diagnosis	ICD-10-CM
M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	Diagnosis	ICD-10-CM
M08.26	Juvenile rheumatoid arthritis with systemic onset, knee	Diagnosis	ICD-10-CM
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	Diagnosis	ICD-10-CM
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	Diagnosis	ICD-10-CM
M08.27	Juvenile rheumatoid arthritis with systemic onset, ankle and foot	Diagnosis	ICD-10-CM
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	Diagnosis	ICD-10-CM
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	Diagnosis	ICD-10-CM
M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	Diagnosis	ICD-10-CM
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	Diagnosis	ICD-10-CM
M08.2A	Juvenile rheumatoid arthritis with systemic onset, other specified site	Diagnosis	ICD-10-CM
M08.3	Juvenile rheumatoid polyarthritis (seronegative)	Diagnosis	ICD-10-CM
M08.4	Pauciarticular juvenile rheumatoid arthritis	Diagnosis	ICD-10-CM
M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	Diagnosis	ICD-10-CM
M08.41	Pauciarticular juvenile rheumatoid arthritis, shoulder	Diagnosis	ICD-10-CM
M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	Diagnosis	ICD-10-CM
M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	Diagnosis	ICD-10-CM
M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	Diagnosis	ICD-10-CM
M08.42	Pauciarticular juvenile rheumatoid arthritis, elbow	Diagnosis	ICD-10-CM
M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	Diagnosis	ICD-10-CM
M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	Diagnosis	ICD-10-CM
M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	Diagnosis	ICD-10-CM
M08.43	Pauciarticular juvenile rheumatoid arthritis, wrist	Diagnosis	ICD-10-CM
M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	Diagnosis	ICD-10-CM
M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	Diagnosis	ICD-10-CM
M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	Diagnosis	ICD-10-CM
M08.44	Pauciarticular juvenile rheumatoid arthritis, hand	Diagnosis	ICD-10-CM
M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	Diagnosis	ICD-10-CM
M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	Diagnosis	ICD-10-CM
M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	Diagnosis	ICD-10-CM
M08.45	Pauciarticular juvenile rheumatoid arthritis, hip	Diagnosis	ICD-10-CM
M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	Diagnosis	ICD-10-CM
M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	Diagnosis	ICD-10-CM
M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	Diagnosis	ICD-10-CM
M08.46	Pauciarticular juvenile rheumatoid arthritis, knee	Diagnosis	ICD-10-CM
M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	Diagnosis	ICD-10-CM
M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	Diagnosis	ICD-10-CM
M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	Diagnosis	ICD-10-CM
M08.47	Pauciarticular juvenile rheumatoid arthritis, ankle and foot	Diagnosis	ICD-10-CM
M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	Diagnosis	ICD-10-CM
M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	Diagnosis	ICD-10-CM

Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Healthcare Common Procedure Coding System, Level II (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Basline Characteristics in this Request

Code	Description	Code Category	Code Type
M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	Diagnosis	ICD-10-CM
M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	Diagnosis	ICD-10-CM
M08.4A	Pauciarticular juvenile rheumatoid arthritis, other specified site	Diagnosis	ICD-10-CM

Appendix G. Forced Days Supply for Medical Products of Interest in this Request

Generic Drug	Half Life	5x Half-Life	Forced Days Supply ("CODESUPPLY")
ixekizumab	13 days	65 days	65
Adalimumab	10-20 days	50-100 days	75
Certolizumab	14 days	70 days	70
Etanercept	102 ± 30 hours	360-660 hours	21
Infliximab	7-12 days	35-60 days	48
Golimumab	~2 weeks	70 days	70
Abatacept	8-25 days	40-125 days	83
Brodalumab	10.9 days	55 days	55
Guselkumab	15-18 days	75-90 days	83
Secukinumab	22-31 days	110-155 days	133
Ustekinumab	14.9 ± 4.6 to 45.6 ± 80.2 days	51.5-629 days	150
Risankizumab	~28 days	140 days	140

Appendix H. Specifications Defining Parameters for this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) Pregnancy tool 11.2.4 to estimate the number of pregnancies with a pharmacy dispensing separately for ixekizumab and comparator drugs (anti-TNF-alpha and IL inhibitors) in the Sentinel Distributed Database (SDD).

Query period (*bound by the delivery date*): 03/22/2016 - 06/20/2021
Coverage requirement: Medical & Drug Coverage
Enrollment requirement: 183 days pre-pregnancy + 301 days pregnancy duration (484 days)
Enrollment requirement post index date: 0 days
Enrollment gap: 45 days
Pre-pregnancy period (*relative to pregnancy start date*): 90 days
Age groups (*calculated at delivery date*): 15-24, 25-34, 35-45
Sex: Female only
Stratifications: Age group, Calendar year
Output by gestational week: No
Restrictions: None
Envelope macro: *No reclassification
Freeze data: No

Pregnancy Episode Creation

Scenario	Group	Delivery Definition	Pregnancy Cohort Definition	Delivery Caresetting	Create Baseline Table?	Delivery Washout Period	Pregnancy Duration Definition (Pre/PostTerm Codes)	Pre/Post-Term Code Evaluation Window Relative to Delivery Date	Pregnancy Duration in Absence of Pre/Post-Term Codes (ITT Days)
1	base	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
2	base_ixe	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)

Appendix H. Specifications Defining Parameters for this Request									
Scenario	Group	Delivery Definition	Pregnancy Cohort Definition	Delivery Caresetting	Create Baseline Table?	Delivery Washout Period	Pregnancy Duration Definition (Pre/PostTerm Codes)	Pre/Post-Term Code Evaluation Window Relative to Delivery Date	Pregnancy Duration in Absence of Pre/Post-Term Codes (ITT Days)
3	base_anti_TNF	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
4	base_il_inhib	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
5	ind	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
6	ind_ixe	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
7	ind_anti_TNF	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
8	ind_il_inhib	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)

Appendix H. Specifications Defining Parameters for this Request

Scenario	Group	Delivery Definition	Pregnancy Cohort Definition	Delivery Caresetting	Create Baseline Table?	Delivery Washout Period	Pregnancy Duration Definition (Pre/PostTerm Codes)	Pre/Post-Term Code Evaluation Window Relative to Delivery Date	Pregnancy Duration in Absence of Pre/Post-Term Codes (ITT Days)
9	base_ixe_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
10	base_anti_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
11	base_il_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
12	ind_ixe_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
13	ind_anti_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)
14	ind_il_noex	Use Pregnancy Algorithm Codes*	*Cohort includes all valid pregnancy episodes during the query period	any diagnosis position	Yes	301	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.

NDC codes are checked against First Data Bank's FDB MedKnowledge®.

Appendix H. Specifications Defining Parameters for this Request (continued)

This request executed the Cohort Identification and Descriptive Analysis (CIDA) Pregnancy tool 11.2.4 to estimate the number of pregnancies with a pharmacy dispensing separately for ixekizumab and comparator drugs (anti-TNF-alpha and IL inhibitors) in the Sentinel Distributed Database (SDD).

Query period (*bound by the delivery date*): 03/22/2016 - 06/20/2021
Coverage requirement: Medical & Drug Coverage
Enrollment requirement: 183 days pre-pregnancy + 301 days pregnancy duration (484 days)
Enrollment requirement post index date: 0 days
Enrollment gap: 45 days
Pre-pregnancy period (*relative to pregnancy start date*): 90 days
Age groups (*calculated at delivery date*): 15-24, 25-34, 35-45
Sex: Female only
Stratifications: Age group, Calendar year
Output by gestational week: No
Restrictions: None
Envelope macro: *No reclassification
Freeze data: No

Medical Product of Interest (MOI) Exposure Episode Creation

Scenario	Group	MOI Exposure	Cohort Definition	Incident exposure washout period	Incident w/ respect to:	Build Episodes on Point Exposure?	Forced code supply episode length	Treatment episode gap	Remove MOI exposure on delivery date	Care setting	Principal diagnosis position
1	base	1) ixekizumab *2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab 8) *IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any

Appendix H. Specifications Defining Parameters for this Request (continued)											
Scenario	**Group**	**MOI Exposure**	**Cohort Definition**	**Incident exposure washout period**	**Incident w/ respect to:**	**Build Episodes on Point Exposure?**	**Forced code supply episode length**	**Treatment episode gap**	**Remove MOI exposure on delivery date**	**Care setting**	**Principal diagnosis position**
2	base_ixe	1) ixekizumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
3	base_anti_TNF	*2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
4	base_il_inhib	*8) IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any

Appendix H. Specifications Defining Parameters for this Request (continued)											
Scenario	**Group**	**MOI Exposure**	**Cohort Definition**	**Incident exposure washout period**	**Incident w/ respect to:**	**Build Episodes on Point Exposure?**	**Forced code supply episode length**	**Treatment episode gap**	**Remove MOI exposure on delivery date**	**Care setting**	**Principal diagnosis position**
5	ind	1) ixekizumab *2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab 8) *IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
6	ind_ixe	1) ixekizumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
7	ind_anti_TNF	*2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	MOI Exposure	Cohort Definition	Incident exposure washout period	Incident w/ respect to:	Build Episodes on Point Exposure?	Forced code supply episode length	Treatment episode gap	Remove MOI exposure on delivery date	Care setting	Principal diagnosis position
8	ind_il_inhib	*8) IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
9	base_ixe_noex	1) ixekizumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
10	base_anti_noex	*2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
11	base_il_noex	*8) IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	MOI Exposure	Cohort Definition	Incident exposure washout period	Incident w/ respect to:	Build Episodes on Point Exposure?	Forced code supply episode length	Treatment episode gap	Remove MOI exposure on delivery date	Care setting	Principal diagnosis position
12	ind_ixe_noex	1) ixekizumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
13	ind_anti_noex	*2) Anti-TNF-alpha drugs (3-7)* 3) adalimumab 4) certolizumab 5) etanercept 6) infliximab 7) golimumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any
14	ind_il_noex	*8) IL-Inhibitors (9-14)* 9) abatacept 10) brodalumab 11) guselkumab 12) risankizumab 13) secukinumab 14) ustekinumab	*All valid MOI exposure episodes during pregnancy episode	0	N/A	*No	5x the half life (see code lists)	5 days	*Exclude MOIs with Adate equivalent to pregnancy delivery date	*Any care setting	*Any

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.

NDC codes are checked against First Data Bank's FDB MedKnowledge®.

Appendix H. Specifications Defining Parameters for this Request (continued)

This request executed the Cohort Identification and Descriptive Analysis (CIDA) Pregnancy tool 11.2.4 to estimate the number of pregnancies with a pharmacy dispensing separately for ixekizumab and comparator drugs (anti-TNF-alpha and IL-inhibitors) in the Sentinel Distributed Database (SDD).

Query period (*bound by the delivery date*): 03/22/2016 - 06/20/2021
Coverage requirement: Medical & Drug Coverage
Enrollment requirement: 183 days pre-pregnancy + 301 days pregnancy duration (484 days)
Enrollment requirement post index date: 0 days
Enrollment gap: 45 days
Pre-pregnancy period (*relative to pregnancy start date*): 90 days
Age groups (*calculated at delivery date*): 15-24, 25-34, 35-45
Sex: Female only
Stratifications: Age group, Calendar year
Output by gestational week: No
Restrictions: None
Envelope macro: *No reclassification
Freeze data: No

Inclusion/Exclusion Criteria

Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
1	base	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
2	base_ixe	ixekizumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
		AND									
		adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab OR abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Exclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
3	base_anti_TNF	adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
		AND									
		ixekizumab	*Exclusion			0	301				
4	base_il_inhib	abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
		AND									
		ixekizumab	*Exclusion			0	301				

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
5	ind	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
6	ind_ixe	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND									
		ixekizumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)
		AND									
		adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab OR abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Exclusion			0	301				

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
7	ind_anti_TNF	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)
		AND ixekizumab	*Exclusion			0	301				
8	ind_il_inhib	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)
		AND ixekizumab	*Exclusion			0	301				
9	base_ixe_no ex	ixekizumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)

Appendix H. Specifications Defining Parameters for this Request (continued)

Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
10	base_anti_noex	adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
11	base_il_noex	abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Inclusion	*Any care setting	Any Position	0	301	N	1	1	5x the half life (see code lists)
12	ind_ixe_noex	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND									
		ixekizumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)
13	ind_anti_noex	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND									
		adalimumab OR certolizumab OR etanercept OR infliximab OR golimumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)

Appendix H. Specifications Defining Parameters for this Request (continued)

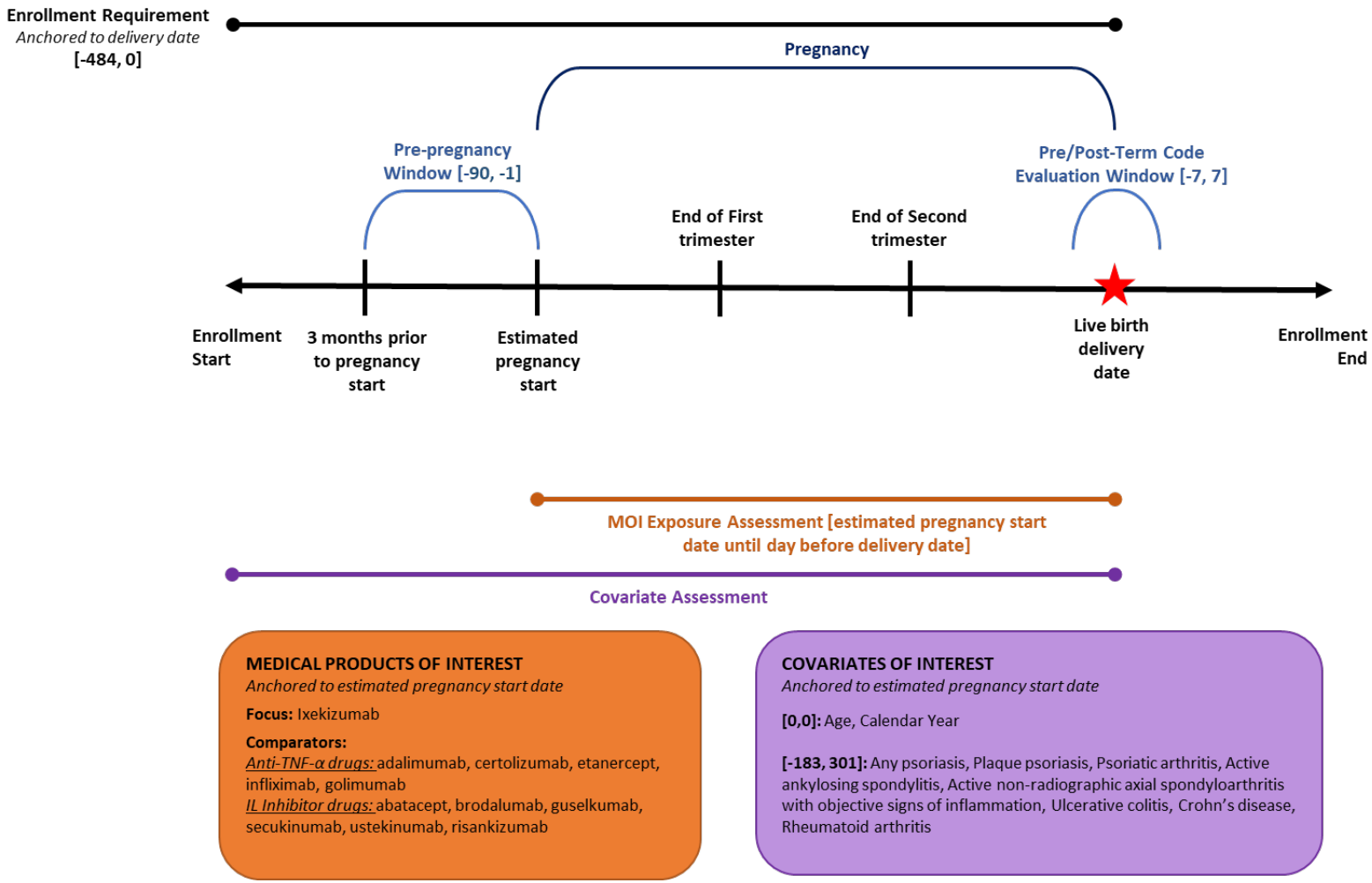
Scenario	Group	Condition	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Forced supply to attach to dispensings
14	ind_il_noex	Any psoriasis OR Psoriatic Arthritis OR Ankylosing spondylitis OR Non-radiographic axial spondyloarthritis	*Inclusion	*Any care setting	Any Position	Ever	301 days	N/A	1	N/A	N/A
		AND									
		abatacept OR brodalumab OR guselkumab OR risankizumab OR secukinumab OR ustekinumab	*Inclusion			0	301	N	1	1	5x the half life (see code lists)

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

BASE COHORT

Pregnancies with Pharmacy Dispensing of Ixekizumab and Comparator Drugs

(Query Period: 3/22/2016 – 12/31/2021)

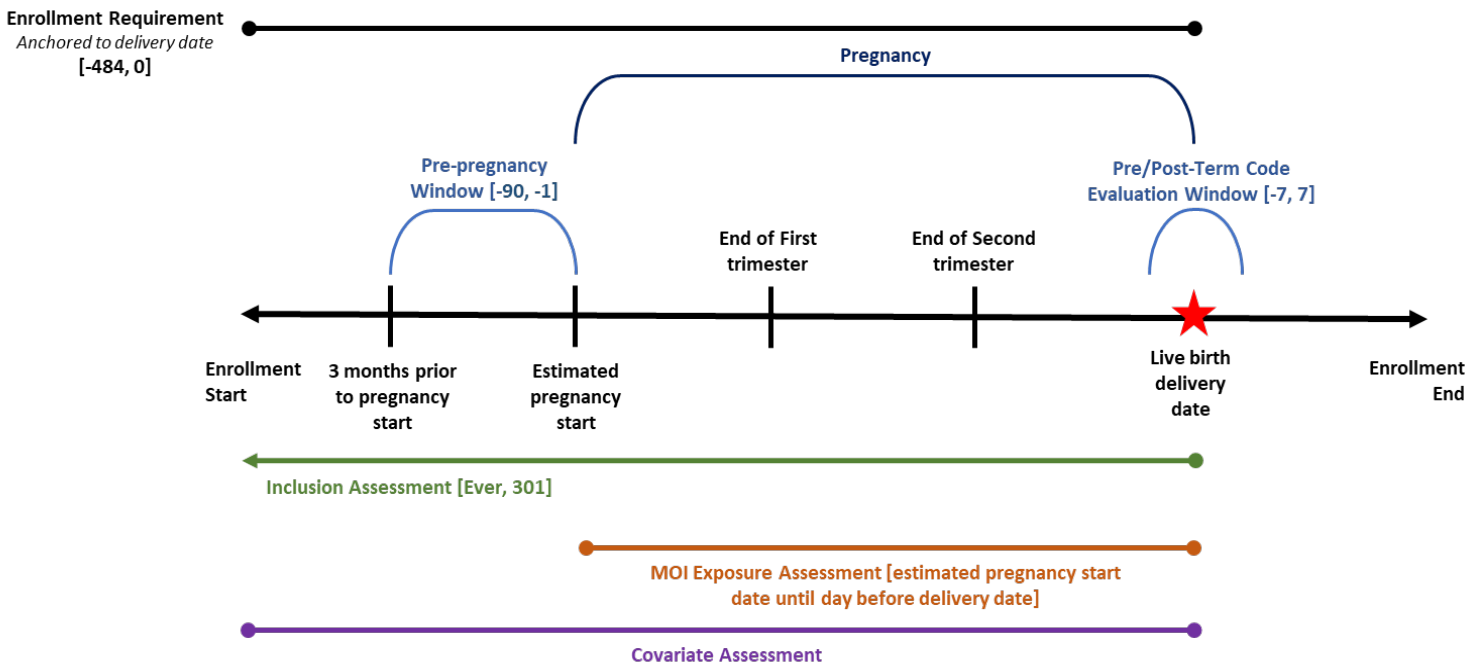


Appendix I. Design Diagrams for this Request

IND COHORT

Pregnancies with Pharmacy Dispensing of Ixekizumab and Comparator Drugs for Patients with an Approved Indication for Ixekizumab

(Query Period: 3/22/2016 – 12/31/2021)



INCLUSION CRITERIA [Ever, 301]
Anchored to estimated pregnancy start date

At least one of the following conditions:
- Any Psoriasis (L40.0, L40.1, L40.2, L40.4, L40.8, L40.9)
- Psoriatic arthritis (L40.5)
- Active ankylosing spondylitis (M45.9)
- Active non-radiographic axial spondyloarthritis with objective signs of inflammation (M46.8)

MEDICAL PRODUCTS OF INTEREST
Anchored to estimated pregnancy start date

Focus: Ixekizumab

Comparators:
Anti-TNF-α drugs: adalimumab, certolizumab, etanercept, infliximab, golimumab
IL Inhibitor drugs: abatacept, brodalumab, guselkumab, secukinumab, ustekinumab, risankizumab

COVARIATES OF INTEREST
Anchored to estimated pregnancy start date

[0,0]: Age, Calendar Year

[-183, 301]: Any psoriasis, Plaque psoriasis, Psoriatic arthritis, Active ankylosing spondylitis, Active non-radiographic axial spondyloarthritis with objective signs of inflammation, Ulcerative colitis, Crohn's disease, Rheumatoid arthritis