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 Report: cder_iqp_wp031

Request ID: cder_ipq_wp031_tnx_v01

Requester: Center for Drug Evaluation and Research (CDER)

Request Description: This query is part of ongoing active monitoring activities for ibrexafungerp. The query aims to identify early signaling of ibrexafungerp use in pregnant patients. The FDA's Sentinel Electronic Health Record (EHR) data from TriNetX was used to complete the query.

Data Source: We ran this query on January 19, 2023. This query contains data from 75 health care organizations (HCOs), provided through the TriNetX Live™ platform in their USA Network from June 1, 2020 to December 22, 2022.

TriNetX aggregates EHR systems data from its partner HCOs to create queryable datasets. TriNetX datasets primarily comprise clinical patient data such as demographics, diagnoses, procedures, labs, and medications. For more information on the TriNetX Live™ platform and the TriNetX data visit their website here: https://trinetx.com/

Study Design : In this retrospective cohort study, we designed 14 cohorts in the Query Builder module in the TriNetX Live™ platform to identify the number of female patients with evidence of ibrexafungerp during pregnancy. Because there is no gold standard for pregnancy identification in EHR data, we employed two strategies in cohort creation. Cohorts 1-4 were anchored on evidence of ibrexafungerp with a pregnancy test in the week before or after the index event and cohorts 5-13 were anchored on pregnancy markers with evidence of ibrexafungerp during the pregnant period. Cohort 14 was anchored on ibrexafungerp with evidence of an ultrasound, gestational age (GA) code, or pregnancy test. The cohorts were designed to identify the number of patients with the following during the query period:

1) Any ibrexafungerp prescription

2) Ibrexafungerp with a pregnancy test in the week before and after the index event

3) Ibrexafungerp with a positive pregnancy test in the week before and after the index event

4) Ibrexafungerp with a negative pregnancy test in the week before and after the index event

5) Positive pregnancy test with ibrexafungerp prescription within 90 days on or after positive pregnancy test

6) Positive pregnancy test with ibrexafungerp prescription and without a spontaneous abortion within 90 days on or after positive pregnancy test

7) Only first trimester GA codes with ibrexafungerp within a 42-week window[1]

8) Only second or third trimester GA codes with ibrexafungerp within a 42-week window[1]

9) Both first trimester and second/third GA codes with ibrexafungerp within a 42-week window[1]

10) Only first trimester GA codes with ibrexafungerp within a 42-week window[1] and no pregnancy outcome[2] in the 12 weeks prior to ibrexafungerp

11) Only second or third trimester GA codes with ibrexafungerp within a 42-week window[1] and no pregnancy outcome[2] in the 12 weeks prior to ibrexafungerp

12) Both first trimester and second/third GA codes with ibrexafungerp within a 42-week window[1] and no pregnancy outcome[2] prior to ibrexafungerp

13) Any ultrasound, gestational age, or positive pregnancy test

14) Ibrexafungerp with a pregnancy outcome in the month before or after

The number of patients in each cohort was described overall and stratified by age category (<15, 15-45, and ≥45 years) and race (Asian, Black or African American, Other, Unknown, and White). Please see Appendix E for the full list of pre- and post-index windows for each GA code.

Exposures of Interest: Our exposures of interest for each cohort named above were as follows:

1. Ibrexafungerp
2. Ibrexafungerp
3. Ibrexafungerp
4. Ibrexafungerp
5. Positive pregnancy test
6. Positive pregnancy test
7. First trimester GA code of X weeks[1]

8. Second or third trimester GA code of Y weeks[1]

9. First trimester GA code of X weeks[1]

10. First trimester GA code of X weeks[1]

11. Second or third trimester GA code of Y weeks[1]

12. First trimester GA code of X weeks[1]

13. Pregnancy outcome[2]

14. Ibrexafungerp

We defined exposures using RxNorm medication terms and Logical Observation Identifiers, Names and Codes (LOINC) laboratory codes. Exposures were also defined using HCPCS, CPT-4, and ICD-10-CM codes. Please see Appendix A for the full list of codes used to define exposures in this request. Please see Appendices B and C for the full list of codes used to define inclusion and exclusion criteria in this request.

Cohort Eligibility Criteria: Patients of female sex were included in the cohort. For age-restricted cohorts, patients were required to meet the age criteria at the time of their index event. See below for the inclusion criteria used for each cohort named above, where time windows are relative to the date of first exposure:

1. N/A

2. Pregnancy test [-7, 7] days

3. Positive pregnancy test [-7, 7] days

4. Negative pregnancy test [-7, 7] days

5. Ibrexafungerp [0, 90] days

6. Ibrexafungerp [0, 90] days and no spontaneous abortion [0, 90] days

7. Ibrexafungerp [-X, 42-X] weeks[1] and no second or third trimester GA code [-X, 42-X] weeks[1]

8. Ibrexafungerp [-Y, 42-Y] weeks[1] and no first trimester GA code [-Y, 42-Y] weeks[1]

9. Ibrexafungerp [-X, 42-X] weeks[1] and second or third trimester GA code [-X, 42-X] weeks[1]

10. Ibrexafungerp [-X, 42-X] weeks[1] and no second or third trimester GA code [-X, 42-X] weeks[1] and no pregnancy outcome prior to ibrexafungerp

11. Ibrexafungerp [-Y, 42-Y] weeks[1] and no first trimester GA code [-Y, 42-Y] weeks[1] and no pregnancy outcome prior to ibrexafungerp

12. Ibrexafungerp [-X, 42-X] weeks[1] AND second or third trimester GA code [-X, 42-X] weeks[1] and no pregnancy outcome prior to ibrexafungerp

13. N/A

14. Ultrasound, gestational age, or positive pregnancy test code [-30, 30] days

Limitations: Algorithms and mapping of source data to the data model are imperfect and susceptible to misclassification. Additionally, EHR data in the US lacks longitudinality. The information before or after patients' healthcare encounters could be missing, especially if patient care was administered across different HCOs that might not participate in the TriNetX USA network. We are unable to determine if absence of evidence of a condition implies a true absence of a condition or if the condition was not observed in the data. Furthermore, only 15 out of the 71 contributing HCOs provide data through natural language processing (NLP), and not all HCOs provide brand name information for RxNorm terms. Therefore, data should be interpreted with these limitations in mind.

All counts provided through the TriNetX Live™ platform are rounded up to the nearest 10 to protect patient privacy. This rounding affects error, especially as sample sizes decrease. Error due to rounding can range from <0.09% when sample sizes are >10,000 to nearly 20% as sample sizes drop. Thus, all estimates should be interpreted as ranges, and small sample sizes should be interpreted with caution.

Notes: We ran this query on January 19, 2023. A re-run of this query for the same query period in the future may not yield the same results owing to the dynamic nature of the TriNetX Live™ network.

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 querying in the TriNetX platform, please refer to the Sentinel Website (https://www.sentinelinitiative.org/methods-data-tools/methods/trinetx-rapid-querying).

[1]The pregnant period is assumed to be 42 weeks total. The number of weeks that occur pre-index and post-index is dependent on the weeks of gestation indicated by the index GA code, where X = 8-13 weeks for 1st trimester GA codes and Y = 14-42 weeks for 2nd/3rd trimester. The pre-index window is equal to the number of weeks gestation of the index code. The post-index window is equal to 42 minus the number of weeks gestation of the index code. For example, a code for 14 weeks gestation has a pre-index pregnant period of 14 weeks and a post-index pregnant period of 28 weeks.

[2] Pregnancy outcomes included delivery, stillbirth, and spontaneous abortion.

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Glossary of Terms for Analyses Using TriNetX Live™ Platform*

Characteristic - A medical fact (e.g., diagnosis, procedure, lab result) that occurred on or before the cohort-defining index event.

Explore Cohort - A description module on the TriNetX platform that presents a clinical profile of patients in a given cohort. Patient counts are rounded up to the nearest 10 before percentages are calculated, so the sum each of the values in one category may not total to 100%.

Date Shifting - A data obfuscation technique that some HCOs use to preserve patient privacy. Date shifting entails assigning each patient a random number of days (eg, -365 to +365 days) and consistently adjusting each of their dates by that number of days, thus maintaining temporal relationships between records within a single patient.

Fact - (Medical Fact) A unit of utilization that represents a medical observation on a patient (e.g., diagnosis, procedure, clinical observation).

Filter - A method of limiting terms included in queries to a specific subset of data. Filters include age at time of event, data source (electronic health record or natural language processing); brand name, route, and strength for medication terms; occurrence (first or most recent) for lab terms; and priority for diagnosis and procedure terms.

Group - A series of codes and terms defined with Boolean logic that are used to create a query cohort. For each group, users have the ability to specified time periods of interest, and the number of instances that the group must occur for cohort entry.

> **Subgroup -** Within a group, additional subgroups can be specified to define temporal relationships between the terms in the subgroup (e.g., terms in subgroup B must occur within 5 days after terms in subgroup A). Users can require that these temporal constraints be applied to the 1) first, 2) last, or 3) any instance of each subgroup.

Health Care Organization (HCO) - Organizations that contribute electronic healthcare record data to the TriNetX data networks. HCOs include academic institutions and community health provider systems and a single HCO may contain one or more individual sites or facilities.

Index - The first date when a patient meets all of the cohort-defining criteria. In Analytics modules, the index can be defined as the date when a patient meets all of the cohort criteria, or only one specific group's criteria.

Module - A subsection of the TriNetX platform that performs a distinct functionality. Cohorts are created using the Query Builder module. Descriptive modules include Healthcare Organizations, Explore Cohorts, Rate of Arrival, Summary Statistics, and Analyze Criteria. Advanced analytic modules include Analyze Outcomes, Compare Outcomes, Compare Cohorts, Treatment Pathways, and Incidence and Prevalence.

Network - An aggregation of HCOs contributing data to the platform. Multiple networks are available for querying on the platform; the different networks represent subsets of HCOs organized by date-shifting practices or availability of downloadable datasets.

Outcome - A medical fact (e.g., diagnosis, procedure, lab result) that occurred on or after the cohort-defining index event.

Query - In the TriNetX platform, a query is a distinct cohort with a unique set of terms and logic. Query cohorts are created using the Query Builder platform module.

Risk - In Advanced Analytics modules, risk refers to the percentage of patients in each cohort with the specified outcome of interest.

Priority - An indication whether the code was the condition that the provider spent the most time evaluating or treating during a visit. Possible values include primary, secondary, or unknown.

Term - The codes used to specify patient cohort criteria in a query. Code options include diagnoses, procedures, medications, labs, demographics, genomics, and visits. Terms can be linked together using and/or Boolean logic. TriNetX also creates terms that group together multiple medical codes into single clinical concepts.

> **Cannot Have Term -** A category of terms within a query group that patients must not have evidence of to be included in the cohort.
> **Must Have Term -** A category of terms within a query group that patients must have evidence of to be included in the cohort.

Time Constraint - used to define time periods of interest for each group within a query. Time constraints can be defined relative to the date the query was run (e.g., any time before today), or defined based on specific dates (e.g., January 1, 2015 to September 30, 2020).

Treatment Pathway - In Advanced Analytics modules, the Treatment Pathways module returns the order in which patients received treatment and the prevalence of treatments, including combination of medications, following an index event.

TriNetX Codes - For commonly used laboratory terms, TriNetX aggregates Logical Observation Identifiers Names and Codes (LOINC) laboratory codes at a clinically significant level to new queryable TNX:LAB terms.

Visit - A type of term used to specify the type of medical encounter or facility where the encounter was recorded. Visit terms are derived by TriNetX from the source data. Visits are recorded separately from the codes or labs that occurred during the encounter; care settings are not attached to individual codes. Values for visit terms include: ambulatory, emergency, field, home health, inpatient encounter, inpatient acute, inpatient non-acute, laboratory, observation, pharmacy, pre-admission, short stay, virtual, and unknown.

*all terms may not be used in this report

Table 1. Cohort Characteristics of Interest for Patients with Ibrexafungerp and a Pregnancy Test from June 1, 2020 to December 22, 2022

Characteristics	Total Ibrexafungerp Users		Ibrexafungerp and a Pregnancy Test in the Week Before and After the Index Event [-7,7 days]		Ibrexafungerp and a Positive Pregnancy Test in the Week Before and After the Index Event [-7,7 days]		Ibrexafungerp and a Negative Pregnancy Test in the Week Before and After the Index Event [-7,7 days]		Positive Pregnancy Test and Ibrexafungerp in the Following 90 Days After the Index Event [0, 90]		Positive Pregnancy Test and Ibrexafungerp in the Following 90 Days After the Index Event [0, 90], AND NO Spontaneous Abortion in the 90 Days Prior to Ibrexafungerp [-90, 0]	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Patients	480	100%	20	100%	10	100%	20	100%	10	100%	10	100%
Demographics												
Age (years) (mean ± SD)[1]	43	16	31	9	N/A[3]	N/A[3]	29	9	N/A[3]	N/A[3]	N/A[3]	N/A[3]
<15 years	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
15-45 years	320	67%	20	100%	10	100%	20	100%	10	100%	10	100%
>45 years	170	35%	0	0%	0	0%	0	0%	0	0%	0	0%
Race												
White	330	69%	10	50%	10	100%	10	50%	10	100%	10	100%
Black	90	19%	10	50%	0	0%	10	50%	0	0%	0	0%
Asian	20	4%	10	50%	0	0%	10	50%	0	0%	0	0%
Other[2]	10	2%	0	0%	0	0%	0	0%	0	0%	0	0%
Unknown	50	10%	10	50%	0	0%	10	50%	0	0%	0	0%

NOTE: TriNetX obfuscates patient counts to safeguard protected health information (PHI), and percentages are calculated based on numerators and denominators rounded up to the nearest 10. Thus, all values in this table are actually ranges (i.e. 10 represents values from 1-10, 20 represents values 11-20, etc.), and the sum of each value in a category may not total to 100%.

[1]Age is determined by the age at cohort entry

[2]Other race includes American Indian, Alaska Native, Native Hawaiian, or Other Pacific Islander.

[3]For patient privacy, TriNetX does not return mean age for cohorts that have 10 or fewer patients

Table 2. Cohort Characteristics of Interest for Patients with Ibrexafungerp and Gestational Age (GA) Codes from June 1, 2020 to December 22, 2022

Characteristics	All Gestational Age Codes AND Ibrexafungerp Use (IMPUTED)[1]		First Trimester Gestational Age Codes AND Ibrexafungerp Use AND NO 2nd or 3rd Trimester GA Codes		2nd or 3rd Trimester Gestational Age Codes AND Ibrexafungerp Use AND NO 1st Trimester GA Codes		First Trimester Gestational Age Codes AND Ibrexafungerp Use AND 2nd or 3rd Trimester GA Codes		All Gestational Age Codes AND Ibrexafungerp Use AND NO Spontaneous Abortion Prior to Ibrexafungerp (IMPUTED)[2]		First Trimester Gestational Age Codes AND Ibrexafungerp Use AND NO 2nd or 3rd Trimester GA Codes AND NO Spontaneous Abortion Prior to Ibrexafungerp		2nd or 3rd Trimester Gestational Age Codes AND Ibrexafungerp Use AND NO 1st Trimester GA Codes AND NO Spontaneous Abortion Prior to Ibrexafungerp		First Trimester Gestational Age Codes AND Ibrexafungerp Use AND 2nd or 3rd Trimester GA Codes AND NO Spontaneous Abortion prior to Ibrexafungerp		Any Pregnancy Indicator (Identified by Ultrasound, Gestational Age, and Positive Pregnancy Test Codes)		Ibrexafungerp Use and Any Pregnancy Indicator in [-30, 30] Days	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Patients	10	100%	0	100%	0	100%	10	100%	10	100%	0	100%	0	100%	10	100%	1,309,930	100%	10	100%
Demographics																				
Age (years) (mean ± SD)[2]	N/A[3]	N/A[3]	0	0	0	0	N/A[3]	N/A[3]	N/A[3]	N/A[3]	0	0	0	0	N/A[3]	N/A[3]	32	9	N/A[3]	N/A[3]
<15 years	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7,900	1%	0	0%
15-45 years	10	100%	0	0%	0	0%	10	100%	10	100%	0	0%	0	0%	10	100%	1,265,430	97%	10	100%
>45 years	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	34,820	3%	0	0%
Race									0											
White	10	100%	0	0%	0	0%	10	100%	10	100%	0	0%	0	0%	10	100%	747,670	57%	10	100%
Black	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	242,860	19%	0	0%
Asian	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	55,210	4%	0	0%
Other[4]	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	11,910	1%	0	0%
Unknown	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	252,290	19%	0	0%

NOTE: TriNetX obfuscates patient counts to safeguard protected health information (PHI), and percentages are calculated based on numerators and denominators rounded up to the nearest 10. Thus, all values in this table are actually ranges (i.e. 10 represents values from 1-10, 20 represents values 11-20, etc.), and the sum of each value in a category may not total to 100%.

[1]Counts for patients with all gestational age codes are calculated by summing the three mutually exclusive gestational age cohorts (i.e. first trimester GA only, second or third trimester GA only, and first and second/third trimester GA).

[2]Age is determined by the age at cohort entry

[3]For patient privacy, TriNetX does not return mean age for cohorts that have 10 or fewer patients

[4]Other race includes American Indian, Alaska Native, Native Hawaiian, or Other Pacific Islander.

Appendix A. List of RxNorm Medication Terms, Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type	Filter
	Ibrexafungerp			
2560213	Ibrexafungerp	Medication	RxNorm	n/a
	Pregnancy Test			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	n/a
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	n/a
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	n/a
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	n/a
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	n/a
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	n/a
66562-0	Pregnancy test required [PhenX]	Laboratory Test	LOINC	n/a
66563-8	Pregnancy test result [PhenX]	Laboratory Test	LOINC	n/a
81025	Urine pregnancy test, by visual color comparison methods	Procedure	HCPCS	n/a
Z32.0	Encounter for pregnancy test, result	Diagnosis	ICD-10-CM	n/a
Z32.00	Encounter for pregnancy test, result, unknown	Diagnosis	ICD-10-CM	n/a
	Pregnancy Test - Positive			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	lab details: positive
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: positive
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: positive
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	lab details: positive
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: positive
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: positive
Z32.01	Encounter for pregnancy test, result, positive	Diagnosis	ICD-10-CM	n/a
	Pregnancy Test - Negative			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	lab details: negative
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: negative
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: negative
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	lab details: negative
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: negative
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: negative
Z32.02	Encounter for pregnancy test, result, negative	Diagnosis	ICD-10-CM	n/a
	Ultrasound			

Code	Description	Code Category	Code Type	Filter
76801	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach; single or first gestation)	Procedure	CPT-4	n/a
76802	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010786	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach	Procedure	CPT-4	n/a
76805	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation after first trimester (> or =14 weeks 0 days), transabdominal approach; single or first gestation	Procedure	CPT-4	n/a
76810	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, after first trimester (> or =14 weeks 0 days), transabdominal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010789	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, after first trimester (> or =14 weeks 0 days), transabdominal approach	Procedure	CPT-4	n/a
76817	Ultrasound, pregnant uterus, real time with image documentation, transvaginal	Procedure	CPT-4	n/a
76812	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed anatomic examination, transabdominal approach; each additional gestation	Procedure	CPT-4	n/a
76816	Ultrasound, pregnant uterus, real time with image documentation, follow-up (e.g., re-evaluation of fetal size by measuring standard growth parameters and amniotic fluid volume, re-evaluation of organ system(s) suspected or confirmed to be abnormal on a previous scan), transabdominal approach. per fetus	Procedure	CPT-4	n/a
76811	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed fetal anatomic examination, transabdominal approach; single or first gestation	Procedure	CPT-4	n/a

Appendix A. List of RxNorm Medication Terms, Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type	Filter
76815	Ultrasound, pregnant uterus, real time with image documentation, limited (e.g., fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses	Procedure	CPT-4	n/a
76813	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach; single or first gestation	Procedure	CPT-4	n/a
76814	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010792	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed fetal anatomic examination, transabdominal approach	Procedure	CPT-4	n/a
1014713	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach	Procedure	CPT-4	n/a
76831	Saline infusion sonohysterography (sis), including color flow doppler, when performed Ultrasound of uterus	Procedure	CPT-4	n/a
First Trimester Gestational Age				
Z3A.08	8 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.09	9 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.10	10 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.11	11 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.12	12 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.13	13 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 8 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 9 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 10 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 11 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 12 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 13 weeks gestation
Second/Third Trimester Gestational Age				
Z3A.14	14 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.15	15 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.16	16 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.17	17 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.18	18 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.19	19 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.20	20 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.21	21 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.22	22 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
Z3A.23	23 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.24	24 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.25	25 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.26	26 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.27	27 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.28	28 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.29	29 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.30	30 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.31	31 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.32	32 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.33	33 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.34	34 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.35	35 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.36	36 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.37	37 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.38	38 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.39	39 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.40	40 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.41	41 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.42	42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 14 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 15 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 16 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 17 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 18 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 19 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 20 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 21 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 22 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 23 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 24 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 25 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 26 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 27 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 28 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 29 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 30 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 31 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 32 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 33 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 34 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 35 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 36 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 37 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 38 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 39 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 40 weeks gestation

Appendix A. List of RxNorm Medication Terms, Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type	Filter
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 41 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 42 weeks gestation

Code	Description	Code Category	Code Type	Filter
First Trimester Gestational Age				
Z3A.08	8 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.09	9 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.10	10 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.11	11 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.12	12 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.13	13 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 8 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 9 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 10 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 11 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 12 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 13 weeks gestation
Second/Third Trimester Gestational Age				
Z3A.14	14 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.15	15 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.16	16 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.17	17 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.18	18 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.19	19 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.20	20 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.21	21 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.22	22 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.23	23 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.24	24 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.25	25 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.26	26 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.27	27 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.28	28 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.29	29 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.30	30 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.31	31 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.32	32 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.33	33 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.34	34 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.35	35 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.36	36 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.37	37 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.38	38 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.39	39 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a

Appendix B. List of Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Procedure Codes Used to Define Exclusions in this Request

Code	Description	Code Category	Code Type	Filter
Z3A.40	40 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.41	41 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.42	42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 14 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 15 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 16 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 17 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 18 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 19 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 20 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 21 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 22 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 23 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 24 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 25 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 26 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 27 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 28 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 29 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 30 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 31 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 32 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 33 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 34 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 35 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 36 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 37 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 38 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 39 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 40 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 41 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 42 weeks gestation
	Spontaneous Abortion			
59821	Treatment of missed abortion, completed surgically; second trimester	Procedure	CPT-4	n/a
59820	Treatment of missed abortion, completed surgically; first trimester	Procedure	CPT-4	n/a
59812	Treatment of incomplete abortion, any trimester, completed surgically	Procedure	CPT-4	n/a
01965	Anesthesia for incomplete or missed abortion procedures	Procedure	CPT-4	n/a
O02.1	Missed abortion	Diagnosis	ICD-10-CM	n/a
O03.0	Genital tract and pelvic infection following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a

Appendix B. List of Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Procedure Codes Used to Define Exclusions in this Request

Code	Description	Code Category	Code Type	Filter
O03.37	Sepsis following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.5	Genital tract and pelvic infection following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.87	Sepsis following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.1	Delayed or excessive hemorrhage following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.6	Delayed or excessive hemorrhage following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.34	Damage to pelvic organs following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.84	Damage to pelvic organs following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.32	Renal failure following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.82	Renal failure following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.33	Metabolic disorder following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.83	Metabolic disorder following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.31	Shock following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.81	Shock following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.2	Embolism following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.7	Embolism following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.39	Incomplete spontaneous abortion with other complications	Diagnosis	ICD-10-CM	n/a
O03.85	Other venous complications following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.86	Cardiac arrest following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.88	Urinary tract infection following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.89	Complete or unspecified spontaneous abortion with other complications	Diagnosis	ICD-10-CM	n/a
O03.35	Other venous complications following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.36	Cardiac arrest following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.38	Urinary tract infection following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.9	Complete or unspecified spontaneous abortion without complication	Diagnosis	ICD-10-CM	n/a
O03.4	Incomplete spontaneous abortion without complication	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
O03.8	Other and unspecified complications following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.3	Other and unspecified complications following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03	Spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.80	Unspecified complication following complete or unspecified spontaneous abortion	Diagnosis	ICD-10-CM	n/a
O03.30	Unspecified complication following incomplete spontaneous abortion	Diagnosis	ICD-10-CM	n/a
Stillbirth				
O31.00X0	Papyraceous fetus, unspecified trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O31.00X1	Papyraceous fetus, unspecified trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O31.00X2	Papyraceous fetus, unspecified trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O31.00X3	Papyraceous fetus, unspecified trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O31.00X4	Papyraceous fetus, unspecified trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O31.00X5	Papyraceous fetus, unspecified trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O31.00X9	Papyraceous fetus, unspecified trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O31.02X0	Papyraceous fetus, second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O31.02X1	Papyraceous fetus, second trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O31.02X2	Papyraceous fetus, second trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O31.02X3	Papyraceous fetus, second trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O31.02X4	Papyraceous fetus, second trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O31.02X5	Papyraceous fetus, second trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O31.02X9	Papyraceous fetus, second trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O31.03X0	Papyraceous fetus, third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O31.03X1	Papyraceous fetus, third trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O31.03X2	Papyraceous fetus, third trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O31.03X3	Papyraceous fetus, third trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O31.03X4	Papyraceous fetus, third trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O31.03X5	Papyraceous fetus, third trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O31.03X9	Papyraceous fetus, third trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O36.4	Maternal care for intrauterine death	Diagnosis	ICD-10-CM	n/a
O36.4XX0	Maternal care for intrauterine death, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O36.4XX1	Maternal care for intrauterine death, fetus 1	Diagnosis	ICD-10-CM	n/a
O36.4XX2	Maternal care for intrauterine death, fetus 2	Diagnosis	ICD-10-CM	n/a
O36.4XX3	Maternal care for intrauterine death, fetus 3	Diagnosis	ICD-10-CM	n/a
O36.4XX4	Maternal care for intrauterine death, fetus 4	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
O36.4XX5	Maternal care for intrauterine death, fetus 5	Diagnosis	ICD-10-CM	n/a
O36.4XX9	Maternal care for intrauterine death, other fetus	Diagnosis	ICD-10-CM	n/a
P95	Stillbirth (may be on newborn record, not mother's)	Diagnosis	ICD-10-CM	n/a
Z37.1	Single stillbirth	Diagnosis	ICD-10-CM	n/a
Z37.3	Twins, one liveborn and one stillborn, pregnancy resulting from both spontaneous ovulation and conception	Diagnosis	ICD-10-CM	n/a
Z37.4	Twins, both stillborn	Diagnosis	ICD-10-CM	n/a
Z37.6	Other multiple births, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.60	Multiple births, unspecified, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.61	Triplets, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.62	Quadruplets, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.63	Quintuplets, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.64	Sextuplets, some liveborn	Diagnosis	ICD-10-CM	n/a
Z37.7	Other multiple births, all stillborn	Diagnosis	ICD-10-CM	n/a
Z37.69	Other multiple births, some liveborn	Diagnosis	ICD-10-CM	n/a
Live Birth				
0W8NXZZ	Division of Female Perineum, External Approach	Procedure	ICD-10-PCS	n/a
10900ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Open Approach	Procedure	ICD-10-PCS	n/a
10903ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Approach	Procedure	ICD-10-PCS	n/a
10904ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS	n/a
10907ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10908ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS	n/a
10D00Z0	Extraction of Products of Conception, Classical, Open Approach	Procedure	ICD-10-PCS	n/a
10D00Z1	Extraction of Products of Conception, Low Cervical, Open Approach	Procedure	ICD-10-PCS	n/a
10D00Z2	Extraction of Products of Conception, Extraperitoneal, Open Approach	Procedure	ICD-10-PCS	n/a
10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a

Code	Description	Code Category	Code Type	Filter
10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
10E0XZZ	Delivery of Products of Conception, External Approach	Procedure	ICD-10-PCS	n/a
10S07ZZ	Reposition Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS	n/a
P030	Newborn affected by breech delivery and extraction	Diagnosis	ICD-10-CM	n/a
P032	Newborn affected by forceps delivery	Diagnosis	ICD-10-CM	n/a
P033	Newborn affected by delivery by vacuum extractor [ventouse]	Diagnosis	ICD-10-CM	n/a
P034	Newborn affected by Cesarean delivery	Diagnosis	ICD-10-CM	n/a
P035	Newborn affected by precipitate delivery	Diagnosis	ICD-10-CM	n/a
P0700	Extremely low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM	n/a
P0701	Extremely low birth weight newborn, less than 500 grams	Diagnosis	ICD-10-CM	n/a
P0702	Extremely low birth weight newborn, 500-749 grams	Diagnosis	ICD-10-CM	n/a
P0703	Extremely low birth weight newborn, 750-999 grams	Diagnosis	ICD-10-CM	n/a
P0710	Other low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM	n/a
P0714	Other low birth weight newborn, 1000-1249 grams	Diagnosis	ICD-10-CM	n/a
P0715	Other low birth weight newborn, 1250-1499 grams	Diagnosis	ICD-10-CM	n/a
P0716	Other low birth weight newborn, 1500-1749 grams	Diagnosis	ICD-10-CM	n/a
P0717	Other low birth weight newborn, 1750-1999 grams	Diagnosis	ICD-10-CM	n/a
P0718	Other low birth weight newborn, 2000-2499 grams	Diagnosis	ICD-10-CM	n/a
P0720	Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM	n/a
P0721	Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM	n/a
P0722	Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM	n/a
P0723	Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM	n/a
P0724	Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM	n/a
P0725	Extreme immaturity of newborn, gestational age 26 completed weeks	Diagnosis	ICD-10-CM	n/a
P0726	Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM	n/a
P0730	Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM	n/a
P0731	Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM	n/a
P0732	Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM	n/a
P0733	Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM	n/a
P0734	Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM	n/a
P0735	Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM	n/a
P0736	Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM	n/a
P0737	Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM	n/a
P0738	Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM	n/a
P0739	Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM	n/a

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

Appendix B. List of Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Procedure Codes Used to Define Exclusions in this Request

Code	Description	Code Category	Code Type	Filter
59410	Vaginal delivery only (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4	n/a
59510	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care	Procedure	CPT-4	n/a
59514	Cesarean delivery only;	Procedure	CPT-4	n/a
59515	Cesarean delivery only; including postpartum care	Procedure	CPT-4	n/a
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	n/a
59612	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps);	Procedure	CPT-4	n/a
59614	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4	n/a
59618	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care, following attempted vaginal delivery after previous cesarean delivery	Procedure	CPT-4	n/a
59620	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery;	Procedure	CPT-4	n/a
59622	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery; including postpartum care	Procedure	CPT-4	n/a
O1002	Pre-existing essential hypertension complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1012	Pre-existing hypertensive heart disease complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1022	Pre-existing hypertensive chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1032	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1042	Pre-existing secondary hypertension complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1092	Unspecified pre-existing hypertension complicating childbirth	Diagnosis	ICD-10-CM	n/a
O114	Pre-existing hypertension with pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1204	Gestational edema, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1214	Gestational proteinuria, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1224	Gestational edema with proteinuria, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O134	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1404	Mild to moderate pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM	n/a

Appendix B. List of Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Procedure Codes Used to Define Exclusions in this Request

Code	Description	Code Category	Code Type	Filter
O1414	Severe pre-eclampsia complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1424	HELLP syndrome, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O1494	Unspecified pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O164	Unspecified maternal hypertension, complicating childbirth	Diagnosis	ICD-10-CM	n/a
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM	n/a
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM	n/a
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM	n/a
O24420	Gestational diabetes mellitus in childbirth, diet controlled	Diagnosis	ICD-10-CM	n/a
O24424	Gestational diabetes mellitus in childbirth, insulin controlled	Diagnosis	ICD-10-CM	n/a
O24425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM	n/a
O24429	Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM	n/a
O2482	Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM	n/a
O2492	Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM	n/a
O252	Malnutrition in childbirth	Diagnosis	ICD-10-CM	n/a
O2662	Liver and biliary tract disorders in childbirth	Diagnosis	ICD-10-CM	n/a
O2672	Subluxation of symphysis (pubis) in childbirth	Diagnosis	ICD-10-CM	n/a
O6012X0	Preterm labor second trimester with preterm delivery second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6012X1	Preterm labor second trimester with preterm delivery second trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O6012X2	Preterm labor second trimester with preterm delivery second trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O6012X3	Preterm labor second trimester with preterm delivery second trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O6012X4	Preterm labor second trimester with preterm delivery second trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O6012X5	Preterm labor second trimester with preterm delivery second trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O6012X9	Preterm labor second trimester with preterm delivery second trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O6013X0	Preterm labor second trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6013X1	Preterm labor second trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O6013X2	Preterm labor second trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O6013X3	Preterm labor second trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O6013X4	Preterm labor second trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
O6013X5	Preterm labor second trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O6013X9	Preterm labor second trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O6014X0	Preterm labor third trimester with preterm delivery third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6014X1	Preterm labor third trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O6014X2	Preterm labor third trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O6014X3	Preterm labor third trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O6014X4	Preterm labor third trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O6014X5	Preterm labor third trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O6014X9	Preterm labor third trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O6022X0	Term delivery with preterm labor, second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6022X1	Term delivery with preterm labor, second trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O6022X2	Term delivery with preterm labor, second trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O6022X3	Term delivery with preterm labor, second trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O6022X4	Term delivery with preterm labor, second trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O6022X5	Term delivery with preterm labor, second trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O6022X9	Term delivery with preterm labor, second trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O6023X0	Term delivery with preterm labor, third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6023X1	Term delivery with preterm labor, third trimester, fetus 1	Diagnosis	ICD-10-CM	n/a
O6023X2	Term delivery with preterm labor, third trimester, fetus 2	Diagnosis	ICD-10-CM	n/a
O6023X3	Term delivery with preterm labor, third trimester, fetus 3	Diagnosis	ICD-10-CM	n/a
O6023X4	Term delivery with preterm labor, third trimester, fetus 4	Diagnosis	ICD-10-CM	n/a
O6023X5	Term delivery with preterm labor, third trimester, fetus 5	Diagnosis	ICD-10-CM	n/a
O6023X9	Term delivery with preterm labor, third trimester, other fetus	Diagnosis	ICD-10-CM	n/a
O632	Delayed delivery of second twin, triplet, etc.	Diagnosis	ICD-10-CM	n/a
O670	Intrapartum hemorrhage with coagulation defect	Diagnosis	ICD-10-CM	n/a
O678	Other intrapartum hemorrhage	Diagnosis	ICD-10-CM	n/a
O679	Intrapartum hemorrhage, unspecified	Diagnosis	ICD-10-CM	n/a
O68	Labor and delivery complicated by abnormality of fetal acid-base balance	Diagnosis	ICD-10-CM	n/a
O690XX0	Labor and delivery complicated by prolapse of cord, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O690XX1	Labor and delivery complicated by prolapse of cord, fetus 1	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
O690XX2	Labor and delivery complicated by prolapse of cord, fetus 2	Diagnosis	ICD-10-CM	n/a
O690XX3	Labor and delivery complicated by prolapse of cord, fetus 3	Diagnosis	ICD-10-CM	n/a
O690XX4	Labor and delivery complicated by prolapse of cord, fetus 4	Diagnosis	ICD-10-CM	n/a
O690XX5	Labor and delivery complicated by prolapse of cord, fetus 5	Diagnosis	ICD-10-CM	n/a
O690XX9	Labor and delivery complicated by prolapse of cord, other fetus	Diagnosis	ICD-10-CM	n/a
O691XX0	Labor and delivery complicated by cord around neck, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O691XX1	Labor and delivery complicated by cord around neck, with compression, fetus 1	Diagnosis	ICD-10-CM	n/a
O691XX2	Labor and delivery complicated by cord around neck, with compression, fetus 2	Diagnosis	ICD-10-CM	n/a
O691XX3	Labor and delivery complicated by cord around neck, with compression, fetus 3	Diagnosis	ICD-10-CM	n/a
O691XX4	Labor and delivery complicated by cord around neck, with compression, fetus 4	Diagnosis	ICD-10-CM	n/a
O691XX5	Labor and delivery complicated by cord around neck, with compression, fetus 5	Diagnosis	ICD-10-CM	n/a
O691XX9	Labor and delivery complicated by cord around neck, with compression, other fetus	Diagnosis	ICD-10-CM	n/a
O692XX0	Labor and delivery complicated by other cord entanglement, with compression, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O692XX1	Labor and delivery complicated by other cord entanglement, with compression, fetus 1	Diagnosis	ICD-10-CM	n/a
O692XX2	Labor and delivery complicated by other cord entanglement, with compression, fetus 2	Diagnosis	ICD-10-CM	n/a
O692XX3	Labor and delivery complicated by other cord entanglement, with compression, fetus 3	Diagnosis	ICD-10-CM	n/a
O692XX4	Labor and delivery complicated by other cord entanglement, with compression, fetus 4	Diagnosis	ICD-10-CM	n/a
O692XX5	Labor and delivery complicated by other cord entanglement, with compression, fetus 5	Diagnosis	ICD-10-CM	n/a
O692XX9	Labor and delivery complicated by other cord entanglement, with compression, other fetus	Diagnosis	ICD-10-CM	n/a
O693XX0	Labor and delivery complicated by short cord, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O693XX1	Labor and delivery complicated by short cord, fetus 1	Diagnosis	ICD-10-CM	n/a
O693XX2	Labor and delivery complicated by short cord, fetus 2	Diagnosis	ICD-10-CM	n/a
O693XX3	Labor and delivery complicated by short cord, fetus 3	Diagnosis	ICD-10-CM	n/a
O693XX4	Labor and delivery complicated by short cord, fetus 4	Diagnosis	ICD-10-CM	n/a
O693XX5	Labor and delivery complicated by short cord, fetus 5	Diagnosis	ICD-10-CM	n/a
O693XX9	Labor and delivery complicated by short cord, other fetus	Diagnosis	ICD-10-CM	n/a
O694XX0	Labor and delivery complicated by vasa previa, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a

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

Code	Description	Code Category	Code Type	Filter
O6982X5	Labor and delivery complicated by other cord entanglement, without compression, fetus 5	Diagnosis	ICD-10-CM	n/a
O6982X9	Labor and delivery complicated by other cord entanglement, without compression, other fetus	Diagnosis	ICD-10-CM	n/a
O6989X0	Labor and delivery complicated by other cord complications, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O6989X1	Labor and delivery complicated by other cord complications, fetus 1	Diagnosis	ICD-10-CM	n/a
O6989X2	Labor and delivery complicated by other cord complications, fetus 2	Diagnosis	ICD-10-CM	n/a
O6989X3	Labor and delivery complicated by other cord complications, fetus 3	Diagnosis	ICD-10-CM	n/a
O6989X4	Labor and delivery complicated by other cord complications, fetus 4	Diagnosis	ICD-10-CM	n/a
O6989X5	Labor and delivery complicated by other cord complications, fetus 5	Diagnosis	ICD-10-CM	n/a
O6989X9	Labor and delivery complicated by other cord complications, other fetus	Diagnosis	ICD-10-CM	n/a
O699XX0	Labor and delivery complicated by cord complication, unspecified, not applicable or unspecified	Diagnosis	ICD-10-CM	n/a
O699XX1	Labor and delivery complicated by cord complication, unspecified, fetus 1	Diagnosis	ICD-10-CM	n/a
O699XX2	Labor and delivery complicated by cord complication, unspecified, fetus 2	Diagnosis	ICD-10-CM	n/a
O699XX3	Labor and delivery complicated by cord complication, unspecified, fetus 3	Diagnosis	ICD-10-CM	n/a
O699XX4	Labor and delivery complicated by cord complication, unspecified, fetus 4	Diagnosis	ICD-10-CM	n/a
O699XX5	Labor and delivery complicated by cord complication, unspecified, fetus 5	Diagnosis	ICD-10-CM	n/a
O699XX9	Labor and delivery complicated by cord complication, unspecified, other fetus	Diagnosis	ICD-10-CM	n/a
O700	First degree perineal laceration during delivery	Diagnosis	ICD-10-CM	n/a
O701	Second degree perineal laceration during delivery	Diagnosis	ICD-10-CM	n/a
O7020	Third degree perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM	n/a
O7021	Third degree perineal laceration during delivery, IIIa	Diagnosis	ICD-10-CM	n/a
O7022	Third degree perineal laceration during delivery, IIIb	Diagnosis	ICD-10-CM	n/a
O7023	Third degree perineal laceration during delivery, IIIc	Diagnosis	ICD-10-CM	n/a
O703	Fourth degree perineal laceration during delivery	Diagnosis	ICD-10-CM	n/a
O704	Anal sphincter tear complicating delivery, not associated with third degree laceration	Diagnosis	ICD-10-CM	n/a
O709	Perineal laceration during delivery, unspecified	Diagnosis	ICD-10-CM	n/a
O740	Aspiration pneumonitis due to anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a

Appendix B. List of Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Procedure Codes Used to Define Exclusions in this Request

Code	Description	Code Category	Code Type	Filter
O741	Other pulmonary complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O742	Cardiac complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O743	Central nervous system complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O744	Toxic reaction to local anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O745	Spinal and epidural anesthesia-induced headache during labor and delivery	Diagnosis	ICD-10-CM	n/a
O746	Other complications of spinal and epidural anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O747	Failed or difficult intubation for anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O748	Other complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM	n/a
O749	Complication of anesthesia during labor and delivery, unspecified	Diagnosis	ICD-10-CM	n/a
O750	Maternal distress during labor and delivery	Diagnosis	ICD-10-CM	n/a
O751	Shock during or following labor and delivery	Diagnosis	ICD-10-CM	n/a
O755	Delayed delivery after artificial rupture of membranes	Diagnosis	ICD-10-CM	n/a
O7581	Maternal exhaustion complicating labor and delivery	Diagnosis	ICD-10-CM	n/a
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	n/a
O7589	Other specified complications of labor and delivery	Diagnosis	ICD-10-CM	n/a
O759	Complication of labor and delivery, unspecified	Diagnosis	ICD-10-CM	n/a
O76	Abnormality in fetal heart rate and rhythm complicating labor and delivery	Diagnosis	ICD-10-CM	n/a
O770	Labor and delivery complicated by meconium in amniotic fluid	Diagnosis	ICD-10-CM	n/a
O778	Labor and delivery complicated by other evidence of fetal stress	Diagnosis	ICD-10-CM	n/a
O779	Labor and delivery complicated by fetal stress, unspecified	Diagnosis	ICD-10-CM	n/a
O80	Encounter for full-term uncomplicated delivery	Diagnosis	ICD-10-CM	n/a
O82	Encounter for cesarean delivery without indication	Diagnosis	ICD-10-CM	n/a
O8802	Air embolism in childbirth	Diagnosis	ICD-10-CM	n/a
O8812	Amniotic fluid embolism in childbirth	Diagnosis	ICD-10-CM	n/a
O8822	Thromboembolism in childbirth	Diagnosis	ICD-10-CM	n/a
O8832	Pyemic and septic embolism in childbirth	Diagnosis	ICD-10-CM	n/a
O8882	Other embolism in childbirth	Diagnosis	ICD-10-CM	n/a
O9802	Tuberculosis complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9812	Syphilis complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9822	Gonorrhea complicating childbirth	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
O9832	Other infections with a predominantly sexual mode of transmission complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9842	Viral hepatitis complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9852	Other viral diseases complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9862	Protozoal diseases complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9872	Human immunodeficiency virus [HIV] disease complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9882	Other maternal infectious and parasitic diseases complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9892	Unspecified maternal infectious and parasitic disease complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9902	Anemia complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9912	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99214	Obesity complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99284	Endocrine, nutritional and metabolic diseases complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99314	Alcohol use complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99324	Drug use complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99334	Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99344	Other mental disorders complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99354	Diseases of the nervous system complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9942	Diseases of the circulatory system complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9952	Diseases of the respiratory system complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9962	Diseases of the digestive system complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9972	Diseases of the skin and subcutaneous tissue complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99814	Abnormal glucose complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99824	Streptococcus B carrier state complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99834	Other infection carrier state complicating childbirth	Diagnosis	ICD-10-CM	n/a
O99844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9A12	Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9A22	Injury, poisoning and certain other consequences of external causes complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9A32	Physical abuse complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9A42	Sexual abuse complicating childbirth	Diagnosis	ICD-10-CM	n/a
O9A52	Psychological abuse complicating childbirth	Diagnosis	ICD-10-CM	n/a

Appendix C. List of RxNorm Medication Terms, Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Inclusions in this Request

Code	Description	Code Category	Code Type	Filter
	Ibrexafungerp			
2560213	Ibrexafungerp	Medication	RxNorm	n/a
	Pregnancy Test			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	n/a
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	n/a
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	n/a
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	n/a
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	n/a
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	n/a
66562-0	Pregnancy test required [PhenX]	Laboratory Test	LOINC	n/a
66563-8	Pregnancy test result [PhenX]	Laboratory Test	LOINC	n/a
81025	Urine pregnancy test, by visual color comparison methods	Procedure	HCPCS	n/a
Z32.0	Encounter for pregnancy test, result	Diagnosis	ICD-10-CM	n/a
Z32.00	Encounter for pregnancy test, result, unknown	Diagnosis	ICD-10-CM	n/a
	Pregnancy Test - Positive			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	lab details: positive
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: positive
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: positive
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	lab details: positive
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: positive
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: positive
Z32.01	Encounter for pregnancy test, result, positive	Diagnosis	ICD-10-CM	n/a
	Pregnancy Test - Negative			
80385-8	Choriogonadotropin (pregnancy test) [Presence] in Serum by Rapid immunoassay	Laboratory Test	LOINC	lab details: negative
2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: negative
2106-3	Choriogonadotropin (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: negative
80384-1	Choriogonadotropin (pregnancy test) [Presence] in Urine by Rapid immunoassay	Laboratory Test	LOINC	lab details: negative
2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Laboratory Test	LOINC	lab details: negative
2112-1	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Urine	Laboratory Test	LOINC	lab details: negative

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Code	Description	Code Category	Code Type	Filter
Z32.02	Encounter for pregnancy test, result, negative	Diagnosis	ICD-10-CM	n/a
Ultrasound				
76801	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach; single or first gestation)	Procedure	CPT-4	n/a
76802	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010786	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach	Procedure	CPT-4	n/a
76805	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation after first trimester (> or =14 weeks 0 days), transabdominal approach; single or first gestation	Procedure	CPT-4	n/a
76810	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, after first trimester (> or =14 weeks 0 days), transabdominal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010789	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, after first trimester (> or =14 weeks 0 days), transabdominal approach	Procedure	CPT-4	n/a
76817	Ultrasound, pregnant uterus, real time with image documentation, transvaginal	Procedure	CPT-4	n/a
76812	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed anatomic examination, transabdominal approach; each additional gestation	Procedure	CPT-4	n/a
76816	Ultrasound, pregnant uterus, real time with image documentation, follow-up (e.g., re-evaluation of fetal size by measuring standard growth parameters and amniotic fluid volume, re-evaluation of organ system(s) suspected or confirmed to be abnormal on a previous scan), transabdominal approach per fetus	Procedure	CPT-4	n/a
76811	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed fetal anatomic examination, transabdominal approach; single or first gestation	Procedure	CPT-4	n/a

Appendix C. List of RxNorm Medication Terms, Logical Observation Identifiers, Names and Codes (LOINC) Laboratory Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, 4th Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Inclusions in this Request

Code	Description	Code Category	Code Type	Filter
76815	Ultrasound, pregnant uterus, real time with image documentation, limited (e.g., fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses	Procedure	CPT-4	n/a
76813	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach; single or first gestation	Procedure	CPT-4	n/a
76814	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach; each additional gestation (list separately in addition to code for primary procedure)	Procedure	CPT-4	n/a
1010792	Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed fetal anatomic examination, transabdominal approach	Procedure	CPT-4	n/a
1014713	Ultrasound, pregnant uterus, real time with image documentation, first trimester fetal nuchal translucency measurement, transabdominal or transvaginal approach	Procedure	CPT-4	n/a
76831	Saline infusion sonohysterography (sis), including color flow doppler, when performed Ultrasound of uterus	Procedure	CPT-4	n/a
First Trimester Gestational Age				
Z3A.08	8 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.09	9 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.10	10 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.11	11 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.12	12 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.13	13 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 8 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 9 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 10 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 11 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 12 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 13 weeks gestation
Second/Third Trimester Gestational Age				
Z3A.14	14 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.15	15 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.16	16 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.17	17 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.18	18 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.19	19 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.20	20 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a

Code	Description	Code Category	Code Type	Filter
Z3A.21	21 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.22	22 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.23	23 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.24	24 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.25	25 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.26	26 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.27	27 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.28	28 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.29	29 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.30	30 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.31	31 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.32	32 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.33	33 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.34	34 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.35	35 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.36	36 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.37	37 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.38	38 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.39	39 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.40	40 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.41	41 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
Z3A.42	42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	n/a
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 14 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 15 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 16 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 17 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 18 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 19 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 20 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 21 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 22 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 23 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 24 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 25 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 26 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 27 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 28 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 29 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 30 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 31 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 32 weeks gestation

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Code	Description	Code Category	Code Type	Filter
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 33 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 34 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 35 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 36 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 37 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 38 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 39 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 40 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 41 weeks gestation
49051-6	Weeks gestation of Pregnancy	Laboratory Test	LOINC	filter: 42 weeks gestation

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Network
Full USA Network
Population
Overall; Females only
GROUPS 1a-1i: Ibrexafungerp USERS

Cohort 1a: Ibrexafungerp user	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available

FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 1b: Ibrexafungerp user + <15	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
Cohort 1c: Ibrexafungerp user + 15-45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
Cohort 1d: Ibrexafungerp user + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available

FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 1e: Ibrexafungerp user + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
Cohort 1f: Ibrexafungerp user + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
Cohort 1g: Ibrexafungerp user + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available

Cohort 1h: Ibrexafungerp user + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
Cohort 1i: Ibrexafungerp user + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available

Appendix D: Specifications Defining Query Builder Cohorts in this Request

GROUPS 2a-2i: Ibrexafungerp USER + PREGNANCY TEST	
Cohort 2a: Ibrexafungerp user	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 2b: Ibrexafungerp user + <15	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
Cohort 2c: Ibrexafungerp user + 15-45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
Cohort 2d: Ibrexafungerp user + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 2e: Ibrexafungerp user + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp

Cohort 2f: Ibrexafungerp user + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
Cohort 2g: Ibrexafungerp user + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
Cohort 2h: Ibrexafungerp user + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test	[-7,7 days] Any instance of Ibrexafungerp
Cohort 2i: Ibrexafungerp user + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	

GROUPS 3a-3i: Ibrexafungerp USER + POSITIVE PREGNANCY TEST	
Cohort 3a: Ibrexafungerp user + Positive pregnancy test	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 3b: Ibrexafungerp user + Positive pregnancy test + <15	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 3c: Ibrexafungerp user + Positive pregnancy test + 15-45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 3d: Ibrexafungerp user + Positive pregnancy test + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 3e: Ibrexafungerp user + Positive pregnancy test + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp

Cohort 3f: Ibrexafungerp user + Positive pregnancy test + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 3g: Ibrexafungerp user + Positive pregnancy test + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 3h: Ibrexafungerp user + Positive pregnancy test + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 3i: Ibrexafungerp user + Positive pregnancy test + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp

GROUPS 4a-4i: Ibrexafungerp USER + NEGATIVE PREGNANCY TEST	
Cohort 4a: Ibrexafungerp user + Negative pregnancy test	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 4b: Ibrexafungerp user + Negative pregnancy test + <15	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 4c: Ibrexafungerp user + Negative pregnancy test+ 15-45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 4d: Ibrexafungerp user + Negative pregnancy test + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 4e: Ibrexafungerp user + Negative pregnancy test + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 4f: Ibrexafungerp user + Negative pregnancy test + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 4g: Ibrexafungerp user + Negative pregnancy test + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp
Cohort 4h: Ibrexafungerp user Negative pregnancy test + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Cohort 4i: Ibrexafungerp user + Negative pregnancy test + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Pregnancy Test - result filter: Negative	[-7,7 days] Any instance of Ibrexafungerp
Cannot Have:	
Pregnancy Test - result filter: Positive	[-7,7 days] Any instance of Ibrexafungerp

GROUPS 5a-5i: POSITIVE PREGNANCY TEST + Ibrexafungerp	
Cohort 5a: Positive pregnancy test + Ibrexafungerp	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 5b: Positive pregnancy test + Ibrexafungerp + <15	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp Filter: Age at event: <15 years	[0,90 days] Any instance of Ibrexafungerp
Cohort 5c: Positive pregnancy test + Ibrexafungerp + 15-45	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp Filter: Age at event: 15-45 years	[0,90 days] Any instance of Ibrexafungerp
Cohort 5d: Positive pregnancy test + Ibrexafungerp + >45	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp Filter: Age at event: >45 years	[0,90 days] Any instance of Ibrexafungerp
FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 5e: Positive pregnancy test + Ibrexafungerp + Other	
Ungrouped Terms:	
Must Have: American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Cohort 5f: Positive pregnancy test + Ibrexafungerp + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
Cohort 5g: Positive pregnancy test + Ibrexafungerp + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
Cohort 5h: Positive pregnancy test + Ibrexafungerp + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
Cohort 5i: Positive pregnancy test + Ibrexafungerp + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp

GROUPS 6a-6i: POSITIVE PREGNANCY TEST + Ibrexafungerp + NO Spontaneous abortion	
Cohort 6a: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B: *Cannot Have:* Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 6b: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + <15	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp Filter: Age at event: <15 years	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B: *Cannot Have:* Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 6c: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + 15-45	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp Filter: Age at event: 15-45 years	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B: *Cannot Have:* Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 6d: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
Filter: Age at event: >45 years	
AND Group 2:	Time Restrictions
Subgroup 2A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B:	
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 6e: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B:	
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 6f: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B:	
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 6g: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 6h: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + White	
Ungrouped Terms:	
Must Have:	
White	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B:	
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 6i: Positive pregnancy test + Ibrexafungerp + No Spontaneous abortion + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Pregnancy test POSITIVE result	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[0,90 days] Any instance of Ibrexafungerp
AND Group 2:	Time Restrictions
Subgroup 2A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 2B:	
Cannot Have:	
Spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

GROUPS 7a-7i: FIRST TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND NO SECOND/THIRD TRIMESTER GESTATIONAL AGE	
Cohort 7a: First trimester and Ibrexafungerp Use	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 7b: First trimester and Ibrexafungerp Use + <15	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Cohort 7c: First trimester and Ibrexafungerp Use + 15-45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: 15-45 years *And Subgroup 1B:* *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-X, 42-X weeks] First trimester GA code
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: 15-45 years *And Subgroup 2B:* *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-(X+1), 42-(X+1) weeks] First trimester GA code
OR Group n+2 ETC...	Time Restrictions
Cohort 7d: First trimester and Ibrexafungerp Use + >45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: >45 years *And Subgroup 1B:* *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-X, 42-X weeks] First trimester GA code
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: >45 years *And Subgroup 2B:* *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-(X+1), 42-(X+1) weeks] First trimester GA code
OR Group n+2 ETC...	Time Restrictions

Appendix D: Specifications Defining Query Builder Cohorts in this Request

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 7e: First trimester and Ibrexafungerp Use+ Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions
Cohort 7f: First trimester and Ibrexafungerp Use + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

Cohort 7g: First trimester and Ibrexafungerp Use + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions
Cohort 7h: First trimester and Ibrexafungerp Use + White	
Ungrouped Terms:	
Must Have:	
White	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Cohort 7i: First trimester and Ibrexafungerp Use + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

GROUPS 8a-8i: SECOND/THIRD TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND NO FIRST TRIMESTER GESTATIONAL AGE	
Cohort 8a: Second/Third Trimester and Ibrexafungerp Use	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 8b: Second/Third Trimester and Ibrexafungerp Use + <15	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions

Cohort 8c: Second/Third Trimester and Ibrexafungerp Use + 15-45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions
Cohort 8d: Second/Third Trimester and Ibrexafungerp Use + >45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 8e: Second/Third Trimester and Ibrexafungerp Use+ Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+2 ETC...	Time Restrictions
Cohort 8f: Second/Third Trimester and Ibrexafungerp Use + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+2 ETC...	Time Restrictions

Cohort 8g: Second/Third Trimester and Ibrexafungerp Use + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions
Cohort 8h: Second/Third Trimester and Ibrexafungerp Use + White	
Ungrouped Terms:	
Must Have:	
White	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+2 ETC…	Time Restrictions

Cohort 8i: Second/Third Trimester and Ibrexafungerp Use + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Gestational age 8-13 weeks	
OR Group n+1:	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+2 ETC…	**Time Restrictions**

GROUPS 9a-9i: FIRST TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND SECOND/THIRD TRIMESTER GESTATIONAL AGE	
Cohort 9a: First trimester and Ibrexafungerp Use and Second/Third Trimester	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 9b: First trimester and Ibrexafungerp Use and Second/Third Trimester + <15	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

Cohort 9c: First trimester and Ibrexafungerp Use and Second/Third Trimester + 15-45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: 15-45 years *And Subgroup 1B:* *Must Have:* Ibrexafungerp *AND* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-X, 42-X weeks] First trimester GA code
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: 15-45 years *And Subgroup 2B:* *Must Have:* Ibrexafungerp *AND* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-(X+1), 42-(X+1) weeks] First trimester GA code
OR Group n+2 ETC...	Time Restrictions
Cohort 9d: First trimester and Ibrexafungerp Use and Second/Third Trimester + >45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: >45 years *And Subgroup 1B:* *Must Have:* Ibrexafungerp *AND* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-X, 42-X weeks] First trimester GA code
OR Group n+1:	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: >45 years *And Subgroup 2B:* *Must Have:* Ibrexafungerp *AND* Gestational age 14-42 weeks	 6/1/2020 - Most recent data available [-(X+1), 42-(X+1) weeks] First trimester GA code
OR Group n+2 ETC...	Time Restrictions

Appendix D: Specifications Defining Query Builder Cohorts in this Request

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 9e: First trimester and Ibrexafungerp Use and Second/Third Trimester + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1:	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	**Time Restrictions**
Cohort 9f: First trimester and Ibrexafungerp Use and Second/Third Trimester + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1:	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	**Time Restrictions**

Cohort 9g: First trimester and Ibrexafungerp Use and Second/Third Trimester + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions
Cohort 9h: First trimester and Ibrexafungerp Use and Second/Third Trimester + White	
Ungrouped Terms:	
Must Have:	
White	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1:	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	Time Restrictions

Cohort 9i: First trimester and Ibrexafungerp Use and Second/Third Trimester + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Gestational age 14-42 weeks	
OR Group n+1:	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+2 ETC...	**Time Restrictions**

Appendix D: Specifications Defining Query Builder Cohorts in this Request

GROUPS 10a-10i: FIRST TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND NO SECOND/THIRD TRIMESTER GESTATIONAL AGE + NO DELIVERY BEFORE Ibrexafungerp	
Cohort 10a: First trimester and Ibrexafungerp Use	
Group n:	**Time Restrictions**
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A: *Must Have:* Gestational age code for (X+1) (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 10b: First trimester and Ibrexafungerp Use + <15	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 10c: First trimester and Ibrexafungerp Use + 15-45	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 10d: First trimester and Ibrexafungerp Use + >45	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 10e: First trimester and Ibrexafungerp Use+ Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 10f: First trimester and Ibrexafungerp Use + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 10g: First trimester and Ibrexafungerp Use + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 10h: First trimester and Ibrexafungerp Use + White	
Ungrouped Terms:	
Must Have: White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have: Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have: Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have: Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have: Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have: Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have: Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have: Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

Cohort 10i: First trimester and Ibrexafungerp Use + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
Cannot Have:	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

GROUPS 11a-11i: SECOND/THIRD TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND NO FIRST TRIMESTER GESTATIONAL AGE + NO DELIVERY BEFORE Ibrexafungerp	
Cohort 11a: Second/Third Trimester and Ibrexafungerp Use	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	[-Y, 42-Y weeks] Second/Third trimester GA code
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 11b: Second/Third Trimester and Ibrexafungerp Use + <15	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have: Gestational age code for Y (14-42) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have: Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have: Gestational age code for (Y+1) weeks Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have: Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have: Gestational age 8-13 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A:	
Must Have: Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have: Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 11c: Second/Third Trimester and Ibrexafungerp Use + 15-45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks Filter: Age at event: 15-45 years ***And Subgroup 1B:*** *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	 6/1/2020 - Most recent data available [-Y, 42-Y weeks] Second/Third trimester GA code
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks Filter: Age at event: 15-45 years ***And Subgroup 2B:*** *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	 6/1/2020 - Most recent data available [-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp ***And Subgroup 3B:*** *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	 6/1/2020 - Most recent data available [-90,0 days] Any instance of Ibrexafungerp
Cohort 11d: Second/Third Trimester and Ibrexafungerp Use + >45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks Filter: Age at event: >45 years ***And Subgroup 1B:*** *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	 6/1/2020 - Most recent data available [-Y, 42-Y weeks] Second/Third trimester GA code
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks Filter: Age at event: >45 years ***And Subgroup 2B:*** *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	 6/1/2020 - Most recent data available [-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp ***And Subgroup 3B:*** *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	 6/1/2020 - Most recent data available [-90,0 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 11e: Second/Third Trimester and Ibrexafungerp Use+ Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 11f: Second/Third Trimester and Ibrexafungerp Use + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 11g: Second/Third Trimester and Ibrexafungerp Use + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
AND Group n+n:	Time Restrictions
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 11h: Second/Third Trimester and Ibrexafungerp Use + White	
Ungrouped Terms:	
Must Have: White	
Group n:	**Time Restrictions**
Subgroup 1A: *Must Have:* Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	[-Y, 42-Y weeks] Second/Third trimester GA code
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A: *Must Have:* Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp *Cannot Have:* Gestational age 8-13 weeks	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
AND Group n+n:	**Time Restrictions**
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 11i: Second/Third Trimester and Ibrexafungerp Use + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for Y (14-42) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-Y, 42-Y weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (Y+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(Y+1), 42-(Y+1) weeks] Second/Third trimester GA code
Cannot Have:	
Gestational age 8-13 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

GROUPS 12a-12i: FIRST TRIMESTER GESTATIONAL AGE + Ibrexafungerp USER AND SECOND/THIRD TRIMESTER GESTATIONAL AGE + NO DELIVERY BEFORE Ibrexafungerp	
Cohort 12a: First trimester and Ibrexafungerp Use	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Appendix D: Specifications Defining Query Builder Cohorts in this Request

FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 12b: First trimester and Ibrexafungerp Use + <15	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 12c: First trimester and Ibrexafungerp Use + 15-45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp
Cohort 12d: First trimester and Ibrexafungerp Use + >45	
Group n:	Time Restrictions
Subgroup 1A: *Must Have:* Gestational age code for X (8-13) weeks Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A: *Must Have:* Gestational age code for (X+1) weeks Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 2B: *Must Have:* Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B: *Cannot Have:* Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

FILTERED BY RACE: OTHER, ASIAN, BLACK, WHITE, UNKNOWN	
Cohort 12e: First trimester and Ibrexafungerp Use+ Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 12f: First trimester and Ibrexafungerp Use + Asian	
Ungrouped Terms:	
Must Have:	
Asian	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 12g: First trimester and Ibrexafungerp Use + Black or African American	
Ungrouped Terms:	
Must Have:	
Black or African American	
Group n:	Time Restrictions
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	Time Restrictions
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	Time Restrictions
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 12h: First trimester and Ibrexafungerp Use + White	
Ungrouped Terms:	
Must Have:	
White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

Cohort 12i: First trimester and Ibrexafungerp Use + Unknown	
Ungrouped Terms:	
Cannot Have:	
American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black OR White	
Group n:	**Time Restrictions**
Subgroup 1A:	
Must Have:	
Gestational age code for X (8-13) weeks	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Ibrexafungerp	[-X, 42-X weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
OR Group n+1 (ETC):	**Time Restrictions**
Subgroup 2A:	
Must Have:	
Gestational age code for (X+1) weeks	6/1/2020 - Most recent data available
And Subgroup 2B:	
Must Have:	
Ibrexafungerp	[-(X+1), 42-(X+1) weeks] First trimester GA code
AND	
Gestational age 14-42 weeks	
AND Group n+n:	**Time Restrictions**
Subgroup 3A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 3B:	
Cannot Have:	
Delivery, stillbirth, or spontaneous abortion	[-90,0 days] Any instance of Ibrexafungerp

GROUPS 14a-14i: Ibrexafungerp USER + ANY PREGNANCY	
Cohort 14a: Ibrexafungerp Use and Pregnancy	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
FILTERED BY AGE GROUP (<15, 15-45, >45 YEARS)	
Cohort 14b: Ibrexafungerp Use and Pregnancy + <15	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: <15 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
Cohort 14c: Ibrexafungerp Use and Pregnancy + 15-45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: 15-45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
Cohort 14d: Ibrexafungerp Use and Pregnancy + >45	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	
Filter: Age at event: >45 years	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
FILTERED BY RACE: OTHER, ASIAN, Black or African American, WHITE, UNKNOWN	
Cohort 14e: Ibrexafungerp Use and Pregnancy + Other	
Ungrouped Terms:	
Must Have:	
American Indian or Alaska Native OR Native Hawaiian or Other Pacific Islander	
Group 1:	Time Restrictions
Subgroup 1A:	
Must Have:	
Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B:	
Must Have:	
Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp

Cohort 14f: Ibrexafungerp Use and Pregnancy + Asian	
Ungrouped Terms:	
Must Have: Asian	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
Cohort 14g: Ibrexafungerp Use and Pregnancy + Black or African American	
Ungrouped Terms:	
Must Have: Black or African American	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
Cohort 14h: Ibrexafungerp Use and Pregnancy + White	
Ungrouped Terms:	
Must Have: White	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp
Cohort 14i:Ibrexafungerp Use and Pregnancy + Unknown	
Ungrouped Terms:	
Cannot Have: American Indian or Alaska Native OR Native Hawaiian OR Pacific Islander OR Asian OR Black or African American OR White	
Group 1:	Time Restrictions
Subgroup 1A: *Must Have:* Ibrexafungerp	6/1/2020 - Most recent data available
And Subgroup 1B: *Must Have:* Any ultrasound, gestational age, or positive pregnancy test code	[-30,30 days] Any instance of Ibrexafungerp

The pregnant period is assumed to be 42 weeks total. The number of weeks that occur pre-index and post-index is dependent on the weeks of gestation indicated by the index GA code, where X = 8-13 weeks for 1st trimester GA codes and Y = 14-42 weeks for 2nd/3rd trimester. The pre-index window is equal to the number of weeks gestation of the index code. The post-index window is equal to 42 minus the number of weeks gestation of the index code. For example, a code for 14 weeks gestation has a pre-index pregnant period of 14 weeks and a post-index pregnant period of 28 weeks.

Appendix E. Pre- and Post-Index Pregnancy Period for Each Gestational Age Code

Code	Description
Z3A.08	8 weeks gestation of pregnancy
Z3A.09	9 weeks gestation of pregnancy
Z3A.10	10 weeks gestation of pregnancy
Z3A.11	11 weeks gestation of pregnancy
Z3A.12	12 weeks gestation of pregnancy
Z3A.13	13 weeks gestation of pregnancy
Z3A.14	14 weeks gestation of pregnancy
Z3A.15	15 weeks gestation of pregnancy
Z3A.16	16 weeks gestation of pregnancy
Z3A.17	17 weeks gestation of pregnancy
Z3A.18	18 weeks gestation of pregnancy
Z3A.19	19 weeks gestation of pregnancy
Z3A.20	20 weeks gestation of pregnancy
Z3A.21	21 weeks gestation of pregnancy
Z3A.22	22 weeks gestation of pregnancy
Z3A.23	23 weeks gestation of pregnancy
Z3A.24	24 weeks gestation of pregnancy
Z3A.25	25 weeks gestation of pregnancy
Z3A.26	26 weeks gestation of pregnancy
Z3A.27	27 weeks gestation of pregnancy
Z3A.28	28 weeks gestation of pregnancy
Z3A.29	29 weeks gestation of pregnancy
Z3A.30	30 weeks gestation of pregnancy
Z3A.31	31 weeks gestation of pregnancy
Z3A.32	32 weeks gestation of pregnancy
Z3A.33	33 weeks gestation of pregnancy
Z3A.34	34 weeks gestation of pregnancy
Z3A.35	35 weeks gestation of pregnancy
Z3A.36	36 weeks gestation of pregnancy
Z3A.37	37 weeks gestation of pregnancy
Z3A.38	38 weeks gestation of pregnancy
Z3A.39	39 weeks gestation of pregnancy
Z3A.40	40 weeks gestation of pregnancy
Z3A.41	41 weeks gestation of pregnancy
Z3A.42	42 weeks gestation of pregnancy

Weeks Gestation: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

Legend:
- Gestational age diagnosis
- Look back for Ibrexafungerp
- Look Forward for Ibrexafungerp